

Smart City Challenge Phase Three

Submission Catalogue

2018 April 6

Ideas

Attach IoT sensors to gather and analyze big data on COC Bridges.....	4
Innovation Hubs to fuel Economic Development.....	5
Reviving the heritage with technology and restructure.....	6
Transform Calgary into Canada's Most Compassionate City.....	7
PAAVAA for An Integrated City.....	8
Innovation- Recycling- Manufacturing- Economic Diversification	9
Solar sidewalks	10
Healthy food Kiosks at all C Train stations	11
Solar.....	12
Safe and Digital In Calgary	13
Montreal, look how we've learned from you and what we've become.	14
Aquaponic community garden	15
School Elder Program	16
artists in residence in the core	17
Encouraging Affordable Housing.....	18
Smart Traffic Lights.....	19
Low income housing made by stylish shipping container apartments.....	20
Modular farming	21
Solid waste to energy plant facility	22
Environmental Attributes (EA) for Business	23
Startup to provide sustainable co-housing and provide jobs.....	24
Amalgamate Calgary Parking Authority and City of Calgary Roads.....	25
What Industries Are We Going to Focus On To Diversify?	26
Airport Train	27
CoHousing proponent :)	28
Social Calgary Mobility Platform	29
Cohousing: Affordable, sustainable and social supportive	30
Public Transit Tracking System	31
An upstream approach to urban development and economic benefits	32
Include ticket fair for LRT/BUS in event ticket	33

Modular Zero-Energy Smart Homes.....	34
Consolidate, Densify, Invite, Entice, Grow	35
On Demand Busing	36
Electric scooter or small vehicle for City commuting	38
Open market on Stephen Avenue	39
Allocate 10% of New Condos to Poor in exchange for Action Plan	40
Solar roads to reduce cost/generate revenue/ prepare for future.....	41
Water Consumption Data.....	42
Automated Transportation	43
Geospacial blockchain core container allocation	44
A gig economy platform that connects people w job opportunities.....	45
Transitional housing for homeless low income	46
Centralized Mobile Application For Affordable Housing Initiative	47
autonomous-vehicule transportation network.....	48
Edit	49
A Smart City includes Elderly and non-English speaking people.	51
One Window Access to Affordable Housing in Calgary	52
Meet Up Office Space on the Go.....	53
LET'S MAKE CALGARY THE MOST CONNECTED CITY IN THE WORLD!	54
Making Calgary The Most Accessible City in the World	55
A technology (Information Technology) hub in the city of Calgary.....	56
Democratizing nature for a smart, healthy city.....	57
Promote the use and improve accessibility of open data	58
Blockchain	61
Try, Fail, Learn, Improve, Repeat.....	63
Smart City Connectivity – The 5G ready City by 2020	64
Digital Divide	65
Local Government Open to Experimentation	66

Attach IoT sensors to gather and analyze big data on COC Bridges

Idea Number: 222

Votes: 6

Submitted: 02/Apr/18 18:27

Comments: 1

Source: <http://ideascale.com/t/UKiMZBXUQ>

Author: Sidaway, Alex

Since the construction of the first Calgary bridge in 1888, The City and its surrounding area have had built over seventy-five pedestrian, vehicle and rail bridges. Based on the wide distribution of these infrastructures throughout The City, it provides multiple opportunities to not only gather valuable data to monitor bridge health (the load on the bridge and vibrations), but also water flow forces (pressure of the water and level of the water rising in the river). The third added and significant benefit are these sensors would also allow for locally measured climate impact data to further enable the planning, adaption and mitigation pertinent to The City of Calgary's climate resiliency. This can be accomplished far easier by the latest technology that allows the ability to gather large amount of data by using tools such as the Internet of Things (IoT) and incorporating longer range, lower power connectivity through products incorporating IEEE 802.11ah devices.

Why is this an ambitious idea?

With the load that bridges bear, the particularly tough Calgary climate due to the freeze-thaw conditions and particularly with bridges usually built over water, you will get heaving and concrete will crack more so than other concrete infrastructures. In the past structural health monitoring (SHM) was a very manual process. We have now new opportunities for our society to co-exist and interact with smart interconnected devices that are known as the Internet of Things (IoT), but unfortunately, most of the existing SHM systems are not connected to IoT. This is now an opportunity to build a digital model of the selected bridges in real time by transferring the data by longer range, lower power connectivity products like Wi-Fi HaLow locally for testing and calibration. So, not only would bridge health be monitored, but a dual opportunity to predict-ing and analyzing climate change impacts and quantifying natural variability are available. This additional benefit may be of greater importance since it involves more than bridges and affects a city in many other areas of concern.

How do we measure the effectiveness of this idea?

The bridge data would be sent to maintenance crews and engineer/scientists using web-based interfaces to view and analyze the collected data in real-time using evaluation algorithms. As for climate data, it could be used for detecting temporal trends; providing information that will allow for a better understanding of the relationships between biological, thermal, and hydrologic data. These would allow The City to understand how the natural system has behaved by comparing historical data with a more precise local IoT sensor readings. This data would provide The City information on how the natural systems are changing from historical trends by maintaining monitoring systems that inform locally specific climate and hydro-logical model outputs. Using business intelligence and analytics, The City would then be able to determine and plan for those climate impacts that has the highest probability of occurring.

How is this idea attainable through the use of technology or data?

As mentioned in this pages three previous boxes, this can be accomplished by using current technology that allows the ability to gather large amount of data by using tools such as the Internet of Things (IoT) and incorporating longer range, lower power connectivity through products incorporating IEEE 802.11ah devices. This would be then sent to maintenance crews and engineer/scientists using web-based interfaces to view and analyze the collected data in real-time using evaluation algorithms. This same data for climate change would involve more use of Business Intelligence, Analytics and Data

This is a one-page summary excerpt. Full content, comments, and activity for this submission are viewable by visiting <http://ideascale.com/t/UKiMZBXUQ>

Innovation Hubs to fuel Economic Development

Idea Number: 219

Votes: 0

Submitted: 02/Apr/18 13:48

Comments: 1

Source: <http://ideascale.com/t/UKiMZBXT0>

Author: Sheeran, Alyson

Invest and build an innovation hub to foster the development of emerging technologies within Calgary, allowing entrepreneurs and business leaders to come together and collaborate. This hub could serve as a “Virtual Industrial Park” for new start-ups for application development, innovation, collaboration, and to test and incubate ideas, with a path through to a full production environment. These hubs would be able to leverage the current vacant downtown real estate in Calgary. This concept could combine inexpensive office space, hyper-connectivity, and leverage our young, educated labour market to attract hi-tech “silicon valley” industries to set up branches in Calgary.

Why is this an ambitious idea?

Calgary has focused on fostering and maintaining the success of the Energy sector, and overall this has been of great benefit to the city. It has been challenging for new emerging technologies to get the support and visibility required to be successful. In creating a hub that will foster technology in areas traditionally outside of the energy sector, such as agri-business, a hub can help foster diversity and lead to economic development and stability in the future. This will also help Calgary address current downtown vacancy rates, and inject energy, innovation and growth into our downtown core.

How do we measure the effectiveness of this idea?

The effectiveness of this idea can be measured through the following:

- Entrepreneurial & organizational growth of the organizations that leverage economic development hubs
- Change in downtown commercial vacancy rates
- Net new investment made in Calgary’s technology sector

How is this idea attainable through the use of technology or data?

Technology plays a pivotal role - and TELUS is able to provide the physical connectivity (fibre & wireless), and the scalable data orchestration technology behind the “Virtual Industrial Park”. Use of this space and technology will enable the entrepreneurial growth and economic diversification that Calgary needs.

Reviving the heritage with technology and restructure.

Idea Number: 217

Votes: 2

Submitted: 02/Apr/18 12:10

Comments: 1

Source: <http://ideascale.com/t/UKiMZBXTI>

Author: Munjal, Sumit

The seed of this idea comes from city's mission statement for this project combined with the vision I have for Calgary to grow as a culturally enriched city. Calgary's core downtown culture lacks "street drama" (description below) and needs more shared spaces that are entrepreneurial and allows citizens to come together, create, develop and share ideas. This idea allows development of inner city culture, downtown core (specifically East village) to attract businesses, diverse ideas, and allowing technological developments to flourish while keeping the existing structures intact.

I am a resident of bridge land area in Calgary's inner city, and pass by Bud's office furniture, a heritage building and so many other small buildings within the inner city which can be more communal, can house local new businesses. It can also provide shared space for millennial, boomer's, generation Y and Z to come together explore, share, and communicate ideas. Now, Bud's office furniture building (19 4 street NE) is just a sample example for how the building can be repurposed into something meaningful for downtown core and surrounding areas.

This space can use latest technology that works well with the older structure and juxtapose a unique combination of a space that will allow commercial space, restaurants, and communal space on the floors above that. A café, a restaurant space, local business, and creative space that allows all the members of public to share on time to time basis, create jobs and opportunities to grow with the help of businesses and makes it more inclusive and accessible shared space.

There are more than one such buildings, some in Inglewood, some in Ramsay, Ogden and a few on the west part of Calgary's inner core. The idea is to develop more shared spaces and cleansing the stereotypical identities that exist in the cultural context of the areas.

*Street Drama- an urban studies term, that allows use of existing structures of foot traffic on sidewalks and promotes people to access the area by walking, cycling and using the space communally. Which, in turn, allows the self controlled patrolling due to the natural proprietary that exists within people to protect their immediate surrounding while sharing the space.

Why is this an ambitious idea?

The development of downtown's East village has proved that, it is important to have a great mix of new and old in order to retain the cultural richness of city. It also authorizes cleansing of space which traditionally has stereotypical sentiments attached to it. Similar to Simmon's block which houses businesses and allows a shared space for businesses; it is important to look into developing areas that surround Calgary Drop-In and Rehab Centre as well.

Repurposing historical buildings into cultural spaces will allow the use of pathway's, bike lanes and slowly divert the inherent issues that an area surrounding rehab's and drop in's face and eliminate stereotypical fears that citizens have for are-

This is a one-page summary excerpt. Full content, comments, and activity for this submission are viewable by visiting <http://ideascale.com/t/UKiMZBXTI>

Transform Calgary into Canada's Most Compassionate City

Idea Number: 216

Votes: 4

Submitted: 02/Apr/18 11:57

Comments: 4

Source: <http://ideascale.com/t/UKiMZBXTE>

Author: Alwan, Rabee

Check out this video to experience what a compassionate Calgary could be:

<https://youtu.be/4Fxm-oQdbFw>

Imagine what it would be like when Calgary is recognized as the most compassionate city in Canada. Neighbours are helping neighbours just because they want to. Elderly people's sidewalks are shovelled. People stop to help someone with a broken-down vehicle. Homeless people are acknowledged. There might not even be any to acknowledge since they'd all be taken care of. Families are opening up their homes. Communities are coming together to solve issues. People are volunteering. Companies are keeping their employees.

When we're compassionate, all the judgment, economic status, ego, or anything else we put in the way becomes irrelevant. Everything becomes irrelevant except for what is happening right then and there. Those moments of compassion are created from a place of love, from a place of acceptance, and from a place of unconditional service. The more compassionate we are, the more those moments show up in our lives. And the more fulfilling our lives become.

When we are compassionate, we are resilient, inclusive, and accessible. The wellbeing of our citizens, our families, and our communities improves. Social issues like poverty and equity are alleviated. Trust, respect, and reciprocity are increased.

And as the wellbeing of our community improves, our municipal services get better – imagine our tax dollars go even further! Things like healthcare, emergency services, and overall governance of our city improves. Technology and innovation improves. Our schools and educational systems improve. Our youth grow to be the citizens we need to move our city forward into the future.

With compassion as our foundation, we are a united city that works collectively to address issues. And we do this because our compasses all start to point in a similar direction.

We've seen our compassion rise when needed, when we helped our neighbours – during the floods, during the fires. We overcame so much, but we couldn't have done it without compassion. We have it in us. We just need to allow ourselves to access it more often.

A compassionate city is a thriving city. It is a city where the potential of our people is unlocked, and the overall human experience of living here is elevated. A compassionate city is resilient, inclusive, and accessible. A compassionate city is Calgary.

Let's work together to make Calgary Canada's most compassionate city!

Why is this an ambitious idea?

This is a one-page summary excerpt. Full content, comments, and activity for this submission are viewable by visiting <http://ideascale.com/t/UKiMZBXTE>

PAAVAA for An Integrated City

Idea Number: 215

Votes: 34

Submitted: 02/Apr/18 11:36

Comments: 12

Source: <http://ideascale.com/t/UKiMZBXs7>

Author: Zahid, Shereen

A mobile application that connects people, that need and/or want services conveniently, to local, registered service providers. In the same method, it connects local service providers with customer requests immediately and conveniently without registration fees or membership fees, and at a flat rate of \$3.99 charged to service providers only once they secure a job through the application.

PAAVAA's mission is two-fold, first it is to provide a tool that is an expedient option for getting routine tasks completed (cleaning, junk removal) and that simplifies dealing with problems that arise suddenly (towing, plumbing and auto repair). As well as, being a supportive platform for homegrown businesses that want to add to their customer list and expand their reach at viable costs, and this is all done through leveraging mobile technology to deliver requests immediately and competitively.

Inclusive- This App is for everyone and only requires some basic information from customers, and simple qualification verification from service providers that want to receive requests and service customers quickly and affordably. The application also includes a variety of services, that range from traditional, essential, free-lance, to niche and up-and-coming services.

Accessible- Anyone with a smartphone, laptop or desktop can use the application and reach local businesses without having to sift through online search engine results and advertised corporations that might not be relevant, affordable or convenient for customers.

Integrates Smart City Technology- PAAVAA leverages mobile connectivity, and the technological developments that applications have gone through, to address all kinds of queries, requests and needs that a city and its inhabitants have, at affordable rates that support local businesses, and that provide incentive for starting up service-based businesses easily. The application further supports digital work, that can be based from home, and supports a variety of diversified and niche services such as Hair & Beauty, Appliance Repair and Pet Services.

Here's how it works: <https://www.youtube.com/watch?v=cV0nMrQYHn0&t=5s>

Why is this an ambitious idea?

PAAVAA's primary purpose is to create a platform of entrepreneurs and local businesses that are easily accessible through a convenient, digital infrastructure.

The application fits well within the economic trend of using smartphones and mobile applications to get things done quickly and affordably. It also fits into the social trend of convenience, coupled with facilitations provided by technology: people are at home more than before and want quick solutions that are cheap and easy to use.

The market niche, of mobile applications, that PAAVAA currently operates within, is growing to become less niche and

Innovation- Recycling- Manufacturing- Economic Diversification

Idea Number: 214

Votes: 1

Submitted: 01/Apr/18 23:50

Comments: 4

Source: <http://ideascale.com/t/UKiMZBXRf>

Author: Ingarfield, Odessa

The premise of this proposal is to use Alberta's existing petroleum production and incorporate environmental sustainability and manufacturing diversification to become a leader in material conversion.

Currently there are no facilities in North America that truly convert petroleum bi-products into raw materials that include nylons, polyesters and natural fibers. We used to ship significant quantities to Asia however that door is closed and now we are pressed to find solutions for our petroleum bi-product materials found in clothing, upholstery, automotive materials and virtually every product found on store shelves.

This proposal suggests a mega-site that would incorporate private and public management, funding and innovation. It would include academia, waste management facilities (both private and public), scientists, the petroleum industry, engineers and ecologists. The scope of this proposal is far reaching and could benefit environmental health, economic diversification, co-collaboration, waste reduction and improved re-use capabilities.

This would enable stimulus in waste management, manufacturing of raw materials and finished goods, increase GDP and bring innovation and leadership to the city, province and country.

This mega-site could provide great insight to our domestic and foreign partners and be a pinnacle for change and innovation in materials reprocessing. Calgary could become the leader in materials sustainability.

Why is this an ambitious idea?

This idea is ambitious because it could render Calgary and Alberta a global leader in materials conversion, recycling and re-use. It could reduce waste and improve the environmental health of Calgary, Alberta and Canada. It would enable economic diversification with the use of existing petroleum products, reduction in dependence upon new petroleum products and help us move towards sustainable innovation.

How do we measure the effectiveness of this idea?

The effectiveness of this idea can be measured by considering how much daily material waste is collected; what happens to it and how it impacts the environment. We can then consider what the economic benefits would be if we converted these products locally and see the change in economic stimulus through petroleum bi-product conversion, manufacturing, whole-sale and retail sales.

How is this idea attainable through the use of technology or data?

This idea is attainable through technology because innovative technology would be required to create the new facilities, develop advanced sorting systems and conversion processes. Data is limitless as the research and innovation possible with a mega-site would enable us to study and determine optimum conversion processes, means to convert, analysis of materials discarded and potential reuse, sales and market potential, domestic use and foreign use. This facility could render Calgary a legitimate leader in materials processing incorporating technology, data analysis, manufacturing strength and equipment innovation.

This is a one-page summary excerpt. Full content, comments, and activity for this submission are viewable by visiting <http://ideascale.com/t/UKiMZBXRf>

Solar sidewalks

Idea Number: 212

Votes: 6

Submitted: 01/Apr/18 13:11

Comments: 1

Source: <http://ideascale.com/t/UKiMZBXRd>

Author: Klymochko, Zev

Let's harness our exceptional amount of annual days with sun and clear our snowy winter sidewalks! Could we heat our sidewalks with solar energy so that snow and ice melt off, insuring safe sidewalks for all? I'm thinking major walking areas like downtown and especially Stephen ave SW.

Why is this an ambitious idea?

It hasn't been done in our city.

How do we measure the effectiveness of this idea?

Examine the incidence of slip and fall prior to launch and the one season after.

How is this idea attainable through the use of technology or data?

It's attainable through solar power, existing infrastructure and existing data.

Healthy food Kiosks at all C Train stations

Idea Number: 211

Votes: 2

Submitted: 01/Apr/18 10:44

Comments: 1

Source: <http://ideascale.com/t/UKiMZBXRA>

Author: Khasdar, Shaibaaz

I am among that hundreds of C train travellers who have money but no time to stop at a cafeteria and buy something to eat as we all are in rush and we don't want to get late. Opening food kiosks at all C train stations (Like many other metropolitan cities) will not only serve hundreds of traveller's hunger but also helps our community to generate tons of money by increasing employment opportunities. Cheers for our City of Calgary 😊

Why is this an ambitious idea?

As these may leads to adding funds for the City of Calgary. Also, Will help our city to improve our Unemployment.

How do we measure the effectiveness of this idea?

Check your database to count how many people travels through C trains every single day and You will get your answer.

How is this idea attainable through the use of technology or data?

Safety comes first. So, Obviously we will be using new electric Equipment's to cook and serve snacks.

Solar

Idea Number: 210

Votes: 3

Submitted: 01/Apr/18 07:22

Comments: 1

Source: <http://ideascale.com/t/UKiMZBXQo>

Author: atkins, victoria

Solar panels on houses to be put in grid
For green energy awesome to show Calgary is not just about oil!

Why is this an ambitious idea?

To prove Calgary is real on climate issues and so we are not just for oil and alternative energy and bank the monies saved on other projects for creating other greener projects with said monies

How do we measure the effectiveness of this idea?

By seeing the cost and environmental benefits

How is this idea attainable through the use of technology or data?

Already available technology but to a grander scale and would show the world our commitment to a better /cleaner future

Safe and Digital In Calgary

Idea Number: 209

Votes: 1

Submitted: 31/Mar/18 20:11

Comments: 1

Source: <http://ideascale.com/t/UKiMZBXQe>

Author: Araza, LU

Crime can be very scary. But if there are security cameras, in business areas, restaurants, playgrounds, schools, parks and most areas where there are more people and less people that goes to, etc. Added cctv's can alert or prevent many crimes or even can solve crimes. Now the future are more on smart products, I was thinking also of digital signs that flashing instead of just a stationary signs, example in business areas, like restaurants, movie theatre, activity places etc, where people can be so attracted to the lights, and the night is very attractive to tourist when there are more digital lights and more colourful lights. Just like in other countries like Japan and Hong Kong, Tourist spent there evenings outdoors because of attraction to what they can see. Investors can open businesses and it will create more jobs to calgarian.

Why is this an ambitious idea?

This is a futuristic ideas. Innovation is our way to be on top.

How do we measure the effectiveness of this idea?

Business can bloom. All we need to do is to innovate.

How is this idea attainable through the use of technology or data?

Yes it is very attainable. Digital are the new era.

Montreal, look how we've learned from you and what we've become.

Idea Number: 207

Votes: 2

Submitted: 30/Mar/18 20:55

Comments: 1

Source: <http://ideascale.com/t/UKiMZBXPQ>

Author: Ro, Ar

Calgary is perceived by many as a boring, business, conservative town. A city where there's no much to do. However, Cowtown has one of the most educated, multicultural and friendly populace in Canada, and it is surrounded by stunning natural spaces. If only Calgary were a little different...

This city, in my view, needs ubiquitous art, ongoing events that uses technology to AMAZE people, that make them want to stay and talk about it. Calgary should learn from the artsy, bohemian side of Montreal to attract students, immigrants, diversify its economy and become the city that truly has it all in Canada.

Why is this an ambitious idea?

Through the use of technology and art alone we could transform Calgary into a desirable city for young people, students and immigrants both national and international, and increase tourism, art&tech entrepreneurship and diversification. In my view, technology and art does not necessarily require huge amounts of money to transform a place in unimaginable ways.

How do we measure the effectiveness of this idea?

Montreal is one of the most interesting and appealing cities in Canada, at least in regard to tourism, festivals, young people wanting to live there. If we analyze most of the things they do in terms of creativity, we realize that it is an attainable thing for Calgary that could not only transform how the city is perceived, but also attract talent and create diversification. Calgary already has many good sides; watch the videos below to see what else could be possible.

How is this idea attainable through the use of technology or data?

- Use of software, projections, sound, lights, concert equipment
- Giving opportunities to tech entrepreneurs that want to create companies related to art
- Asking for help to entrepreneurs, artists, tech startups, volunteers who desire to transform Calgary
- Attracting video games, visual art companies and artists to the city

Montreal seems to know how to combine art and technology to create amazement in its population and visitors; and knows how to produce magnetism. I have lived in Montreal and visited the city in many occasions, and that feeling of amazement when you are there is real, regardless of the season of the year. Here are a few examples of things we could do like Montreal:

City & Art:

- Outdoor Video Projection - Cite Memoire
<https://youtu.be/Po7Bo5X0JAA>
<http://www.montrealenhistoires.com/en/cite-memoire/>

- Montreal Mural Festival
<https://youtu.be/ZaJcq5jhS2A>
<https://www.instagram.com/muralfestival/>

This is a one-page summary excerpt. Full content, comments, and activity for this submission are viewable by visiting <http://ideascale.com/t/UKiMZBXPQ>

Aquaponic community garden

Idea Number: 206

Votes: 1

Submitted: 30/Mar/18 20:42

Comments: 1

Source: <http://ideascale.com/t/UKiMZBXPO>

Author: Hamm, Yohan

Year round Community gardens using certifiably organic growing technique of aquaponics. We can sustainably and consistently grow organic food while creating an amazing atmosphere year round.

Why is this an ambitious idea?

This is an ambitious idea because using aquaponics growing techniques is the way of sustainable organic food production of the future. If done right aquaponics vertical farming grows up to 22x more food per year in the same square feet as terrestrial growing, using 5% of the water, and staying organic. Reduces our carbon footprint drastically by eliminating transportation of food. With modern lighting technology the cost to produce is reduced significantly. It would make a great gathering place for community. This is the future, we can be the first to do it as a city. To my knowledge anyway

How do we measure the effectiveness of this idea?

Personal health surveys.

How is this idea attainable through the use of technology or data?

With growing awareness aquaponics growing systems are being developed and improved around the world rapidly. The systems already exist we only need to implement them.

School Elder Program

Idea Number: 205

Votes: 0

Submitted: 30/Mar/18 14:54

Comments: 1

Source: <http://ideascale.com/t/UKiMZBXKI>

Author: Chartier, Bob

Following First Nations leadership, we bring an innovative elders based program to our schools...

Why is this an ambitious idea?

it brings local knowledge, skills and energy directly into our schools making our kids smarter

How do we measure the effectiveness of this idea?

not measurable...too human

How is this idea attainable through the use of technology or data?

please keep tech out of this one!

artists in residence in the core

Idea Number: 204

Votes: 1

Submitted: 30/Mar/18 14:49

Comments: 1

Source: <http://ideascale.com/t/UKiMZBXKk>

Author: Chartier, Bob

Smart Cities Pitch (Infrastructure)

The Problem:

Calgary continues to have an over abundance of commercial floor space in the core. At the same time, the local arts economy lacks both capital and space for arts entrepreneur especially as well, in the core.

The Pitch:

Calgary could be a world leader in providing a unique “artist in residence” approach that would combine the needs and visions of the business economy with the needs and vision of the arts economy.

This rare joint venture would have the business economy creating at least one space in every city core building for an artist in residence. Painters, writers, musicians and other arts entrepreneurs would be invited into a vacant office space.

The Return on Investment:

For the artists...

- Affordable studio space to create and market their work
- Opportunities to learn network and grow their own business skills in a successful business environment.
- Visibility and voice in the core of a Smart City.

For the business hosts...

- One of the most interesting persons working in the building to have a coffee with or have a small in house seminar on innovative thinking.
- A small innovative and creative learning space in the building where thinking and imaginative conversation moves to a higher level.
- We know that the best leaders in business often come out of the arts programs and economy they bring the creative economy into the heart of the business economy brings the heat.

The Bottom Line:

It could be a big win for both sides as there is a huge gulf of misunderstanding on both sides about the value and importance of each of the two economies. It must never be seen as an act of charity but rather as a fair exchange. The costs for the company would be negligible until of course, there is a renewed wave of demand

This is a one-page summary excerpt. Full content, comments, and activity for this submission are viewable by visiting <http://ideascale.com/t/UKiMZBXKk>

Encouraging Affordable Housing

Idea Number: 203

Votes: 4

Submitted: 30/Mar/18 14:30

Comments: 1

Source: <http://ideascale.com/t/UKiMZBXKg>

Author: Foster, Lydia

While building more houses creates more jobs and is awesome, we can further encourage more housing spaces by encouraging people to rent or share their spaces. We can be inspired by LA's encourageable Share Pods system and create places like those for individuals or encourage others to rent their homes for cheap. There are plenty of houses in Calgary and often they have a lot of room in them. Here is a link expressing how the share pods work. I did not film this, thanks BuzzFeed! <https://youtu.be/2heLd3z6Gz4>

Why is this an ambitious idea?

It is ambitious because we would need to create a system or program to perhaps tie the compatibility and reliability of the potential strangers living together. We could create programs and have other innovations tie it all in. For the first test period tenants could take a survey and write how they think it could improve, how they feel it is working, does it suit their needs, so on and so forth. This would be highly recommended for students, and young adults who need affordable housing. There could be one set of "Pods" for young families, one building of "Pods" for adults and if best, some "Pods" set aside for a quieter environment. We could also try to encourage more Calgarians to rent out their houses for cheap by offering them some sort of incentive such as a Tax rebate or reduced bus pass prices, or incentivize them with placing their area of residence on higher priority snow removal routes.

How do we measure the effectiveness of this idea?

How we would measure the effectiveness of this idea is by survey completion of tenants' and renters' satisfaction and if their needs are being met. As well as hopefully people spread their feelings about the system via word of mouth and if more people wish to try "Pod-living" then it will likely express the effectiveness itself. How we currently gauge the effectiveness of the idea, take a facebook poll. Get word of mouth spreading, get some feedback and go from there.

How is this idea attainable through the use of technology or data?

This is attainable by sending out survey's to people digitally and collecting their data. You can put polls out on facebook to see if others would like the idea and would make use of it. I would suggest polling high schools and universities instead of homes as I believe it will be most successful with people at the ages of 18-30.

Smart Traffic Lights

Idea Number: 202

Votes: 2

Submitted: 29/Mar/18 19:10

Comments: 0

Source: <http://ideascale.com/t/UKiMZBXH2>

Author: Hergott, Terrance

Use sensors augmented by Google maps to control traffic signals.

Why is this an ambitious idea?

Using technology to improve trafficking flow which by default also improves GHG emissions, a win win for the city and the citizens of Calgary.

How do we measure the effectiveness of this idea?

Improved traffic flow and reduced GHG emissions

How is this idea attainable through the use of technology or data?

Use road sensors to traffic flow along entire road way, not just at light traffic stops. Use google maps to track traffic flows and adjust traffic signals automatically based on traffic flows

Low income housing made by stylish shipping container apartments

Idea Number: 201

Votes: 10

Submitted: 29/Mar/18 18:34

Comments: 2

Source: <http://ideascale.com/t/UKiMZBXH0>

Author: Tillekeratne, Varune

Cheap, durable, and stylish shipping containers are the solution to the problem.

Many urban developers have heard of the shipping container home, but still making full fledged homes out of containers is still costly.

So lets instead make hipster apartment complexes that targets millennials and young people who are struggling to move out of their parents basement.

For this project to work, costs for the occupants must be kept very low.

A large shipping container has 320 Square feet. So lets give each person two of these for a total of 640 square feet.

Why is this an ambitious idea?

If done properly we can solve the problem of our youth living with their parents through most of their 20's and early 30's. An initiative like this has never been done by the backing of a city, Calgary will show its creative and entrepreneurial side when solving problems

How do we measure the effectiveness of this idea?

Before construction officially begins, this low income housing project should be advertised all over with its low rent being the focal point of the advertisement. If at least 50 people show genuine interest in moving into these apartments the project should be accepted.

How is this idea attainable through the use of technology or data?

The only reason this project works is because of how globalized we are. Since North America imports more than it exports we have a surplus of shipping containers, making their prices really cheap. There isn't new ground breaking technology at play here, just creative thinking

Modular farming

Idea Number: 200

Votes: 2

Submitted: 29/Mar/18 02:02

Comments: 2

Source: <http://ideascale.com/t/UKiMZBXEY>

Author: Alfaro, Emerson

Buildings similar to storage lockers could be built. (employment for the trades)
in those buildings would house CONTAINER FARMS. (employment for manufactures)
The buildings provide a control environment for the container farms.
Renueable energies technologies could power the farms; solar, wind, geothermal.(employment for the
New trades)
The container farms would be used to grow eatable products such as lettuce, herbs etc. under led lights
and hydroponic environment.
The farms would provide year around employment for Growers/ Agricultural / Administrators / Supply chain /
Retailers.

Why is this an ambitious idea?

This is an ambitious idea because of the positive impact it can have on the environment and employment. Normally container farming requires less space to produce a far greater yield. to feed the entire population of Calgary many building would be needed thus more work and potentially sell the produce to other cities.
the standard green house does not work in Calgary or there would be a great number of green houses around. that is why this is ambitious.
If Calgarians know where their vegetables are coming from and grown naturally maybe we would eat more vegetables and be a healthier city. this would also benefit the AHS.

How do we measure the effectiveness of this idea?

By Yield of produce.
By employment numbers
By lower co2 emissions
By Financial data. Profit.

How is this idea attainable through the use of technology or data?

The use of computers could create the perfect environment for plants to thrive.
Data can help to determine the most beneficial and financial rewarding produce to grow.
Create the demand for renewable energy. the Buildings themselves could be used as power plants to collect and store wind and solar power to self sustain.

This is a one-page summary excerpt. Full content, comments, and activity for this submission are viewable by visiting <http://ideascale.com/t/UKiMZBXEY>

Solid waste to energy plant facility

Idea Number: 199

Votes: 2

Submitted: 28/Mar/18 18:29

Comments: 2

Source: <http://ideascale.com/t/UKiMZBXDk>

Author: Saura, Rigil

An incineration plant that is capable of material and energy recovery from solid waste (municipal and industrial) operating economically, efficiently and environmentally friendly.

Why is this an ambitious idea?

This is an ambitious idea if each and every Calgarian would want to be an environmentally conscious city which this project provide.

How do we measure the effectiveness of this idea?

The effectiveness of this idea would be for long term and as soon as this facility became operational rapid changes can be observe. Not only it resolves the growing problem on waste management, it is also an alternative cheap energy resource.

How is this idea attainable through the use of technology or data?

This idea is considered to be attainable since Japan is using this kind of waste management system and continuously developing it through time.

Environmental Attributes (EA) for Business

Idea Number: 198

Votes: 1

Submitted: 28/Mar/18 18:19

Comments: 2

Source: <http://ideascale.com/t/UKiMZBXDh>

Author: Kirby, Jennifer

The Plugging In: Opportunities to Procure Renewable Energy for Nonutility Companies and Institutions in Alberta by the Pembina Institute and the Rocky Mountain Institute for Calgary Economic Development outlines a complex process for Information Technology, Consumer goods and other corporations to purchase renewable energy through environmental attributes (EAs) Simplifying this process by certifying environmental attributes of projects within the city of Calgary and the resulting additional GHG emissions will help facilitate this environmental attribute process, ensure additionality and allow corporations to meet sustainability targets. Other projects such as transit could be added into the mix of environmental attributes which reduce GHG emissions. The certification of environmental attributes removes the risk for both corporations and environmental projects which reduce GHG emissions.

<http://www.pembina.org/pub/plugging-in>

Why is this an ambitious idea?

To meet Canada's climate change targets in 2050, business must be engaged. As per the government of Canada's submission to the UN, this is a monumental task and a transition of our society.

How do we measure the effectiveness of this idea?

The effectiveness of this idea can be measured by the number of Environmental attribute (EA) contracts, the dollar value of the contracts, the number of environmental GHG projects and the number of companies participating.

How is this idea attainable through the use of technology or data?

Information Technology companies and consumer good companies have set targets for 100% renewable energy. This is done using a very risky virtual power purchase agreement (VPPA) process. By simplifying and certifying the environmental attribute (EA) process, it allows IT companies to meet the renewable energy targets.

Startup to provide sustainable co-housing and provide jobs

Idea Number: 197

Votes: 1

Submitted: 28/Mar/18 17:25

Comments: 1

Source: <http://ideascale.com/t/UKiMZBXDU>

Author: MM, RM

A startup that will provide venture capital for co-housing of different types (community, dorm-style) and create jobs is what the city needs. This is not a typical social housing but catered to those who are working or receiving pension or new to the City with annual income of \$xxxxx. The idea of living in an affordable "community" and make it sustainable or even create jobs that members would benefit from is timely.

Why is this an ambitious idea?

We heard of families or citizens struggling during the economic downturn, unable to pay mortgages. There's so much hype on home ownership which eventually drive prices up and so in a downturn, people are not prepared for the worse.

The City of Calgary should be a "leader" in shifting the paradigm that "home ownership" is not about pricey homes or getting mortgages. It's about making living sustainable and affordable, thus creating "happy" citizens.

The idea is inspired by San Francisco's StarCity model (<http://www.businessinsider.com/san-francisco-middle-class-moving-to-community-housing-starcity-2018-3>) and Netherlands' cohousing initiatives (<http://www.lvcw.nl/teksten/Cohousing%20in%20the%20Netherlands%20-%20as%20presentated%20at%20the%20Summit.pdf>)

How do we measure the effectiveness of this idea?

The startup business model (venture capital, business group, resources, business monitoring, etc.)

How is this idea attainable through the use of technology or data?

You can make use of current technologies like 3D print a home (<https://www.engadget.com/2017/03/07/apis-cor-3d-printed-house/>) or use of recycled lumber, home smart solutions that you can monitor via an Apple iPad or Android tablet.

Residents can respond to surveys like measure their happiness or satisfaction, monitor success or failure of their work or business, etc.

Amalgamate Calgary Parking Authority and City of Calgary Roads

Idea Number: 196

Votes: 0

Submitted: 28/Mar/18 16:39

Comments: 1

Source: <http://ideascale.com/t/UKiMZBXDO>

Author: Bell, Aura

Amalgamation of Calgary Parking Authority into City of Calgary Transportation Dept with or under Roads.

Why is this an ambitious idea?

This is not ambitious just a solid argument. CPA is duplicating work by City of Calgary Roads Department just ask the Traffic Engineering Dept and Traffic Field Operations inaccurate billing for work orders. It's all wasted taxpayer dollars. I request that you do a study before you hire the next CPA General Manager as clearly the last hire/fire was inappropriate with women and general responsibilities, not to mention the previous fiasco with CPA.

<http://www.cbc.ca/news/canada/calgary/calgary-parking-authority-settles-parkplus-lawsuit-1.1332928>.

It's not public but the CPA and Roads workforces know and it's been incredibly destructive for morale. Parkplus system is also dying with the waves of better technology.

How do we measure the effectiveness of this idea?

Ask yourselves how much you have spent trying to sell the outdated Parkplus System and how much revenue it has brought into the City? International Parking Institute does not promote Parkplus and here's the best apps. <https://www.parking.org>

Ask yourselves with a continuous declining economy start of 2014 what is the return revenue CPA brings in? Rates have been dropped so expect a smaller return City Council.

Duplicated work that could be absorbed by The City of Calgary - technicians, CFO, HR, GM, local38 employees, IT, the list goes on and on and on... snow route parking bans, I could make lists all day.

How is this idea attainable through the use of technology or data?

Stop wasting money to sell a pipe dream called Parkplus. CPA has to go back to their traditional services, parking enforcement and collection of revenue. Parkplus was designed in 2004, that's 14 years ago, technology has changed Parkplus has not. Consolidate CPA with Roads and cut the most expensive part out wasting time and taxpayer dollars on medical, dental, wages, pensions, snow removal, HR, and every duplicated job that cost the taxpayers money. CPA is not a business.

What Industries Are We Going to Focus On To Diversify?

Idea Number: 195

Votes: 2

Submitted: 28/Mar/18 15:23

Comments: 5

Source: <http://ideascale.com/t/UKiMZBXC5>

Author: Bruce, Duane

I see technology as a means to an end, it is used to be more competitive, more efficient, reducing costs to deliver goods and services that Calgarians want and need. I think we need to step back from the race to create more technology and decide what industries we want to focus on to diversify our economy. Any economy has natural advantages. Calgary's and Alberta's clearly rely on energy but where can we focus our efforts to diversify? We are a city but can we use technology and data to improve agriculture, logistics, tourism, manufacturing, etc.

Why is this an ambitious idea?

I am not sure it is ambitious. I really like the technology ideas I see, I don't understand them but I like them. But I am left asking: what industries are we going to apply this technology to, to revolutionize it, to gain competitive advantage, to increase jobs and diversity?

How do we measure the effectiveness of this idea?

If we focus on some key industries in Calgary, economic growth, prosperity, and employment will grow, and is readily measurable. There are a number of indices that measure the makeup of the Calgary economy, and if we use technology and data well, we will see increased diversity.

How is this idea attainable through the use of technology or data?

My idea is that we need to decide on what we want to focus on, then use technology and data to create a competitive advantage. My votes would be for agriculture, tourism, hospitality, logistics, and manufacturing.

Airport Train

Idea Number: 194

Votes: 2

Submitted: 28/Mar/18 14:04

Comments: 2

Source: <http://ideascale.com/t/UKiMZBXCO>

Author: Downie-e, Darren

Finish the train to the airport and phase out diesel powered vehicles as calgary has seen an increase in air pollution.

Why is this an ambitious idea?

Train will remove vehicles off the road. Eliminating diesel vehicles will improve air quality.

How do we measure the effectiveness of this idea?

Air quality studies.

How is this idea attainable through the use of technology or data?

Air quality studies

CoHousing proponent :)

Idea Number: 193

Votes: 3

Submitted: 27/Mar/18 23:20

Comments: 4

Source: <http://ideascale.com/t/UKiMZBW90>

Author: brunelle, caprice

A Community Economic Development initiative that is currently in the planning phase. Mixed commercial/residential co housing from "retirement" to hospice. The community will be designed to support people through varying types of loss -aging in place with internal and external community supports. It comprises three revenue generating, purpose driven, charitable social enterprises that will be operated by the community. Target group will be Calgary community military and first responder veterans (includes police, firefighters and para-medics), care providers and dedicated community volunteers. The focus areas of:

1. economic opportunity - for retirees (which is becoming more necessary as government spending increases),
2. empowerment and inclusion - does not rely on health or social systems to support communities. The operation is designed to reconnect people to community grass-roots cooperation and social inclusion.
3. environmental quality - traditional production of food and sustainable housing (outlined in The Prince's Foundation)
4. health living and recreation - comprises the determinants of health, and offers opportunities for others to be engaged through health, education and recreation,
5. mobility and safety - it provides its residents (who may suffer from dementia) with a safe space to explore their world.

Why is this an ambitious idea?

While varying aspects of this concept are found in many places throughout the world, there is no community that inter-weaves all these elements.

How do we measure the effectiveness of this idea?

Cohousing - Denmark, UK, US, Aus

Purpose Driven Organization - Love and Cugnon

Logotherapy - Dr Viktor Frankl https://www.ted.com/talks/viktor_frankl_youth_in_search_of_meaning

How is this idea attainable through the use of technology or data? Technology -

Architectural designs support the community (University of Calgary Research)

Data - I am not entirely clear on what this criteria means in this community concept. Could it be in terms of research? Community Prosperity, Social Innovation and Community Development - Mount Royal University Research

Social Calgary Mobility Platform

Idea Number: 192

Votes: 1

Submitted: 27/Mar/18 21:53

Comments: 2

Source: <http://ideascale.com/t/UKiMZBW9w>

Author: Pearce, Katie

Shift social responsibility back into the community by creating a socially responsible mobility platform, that allows a city to operate like a village. The platform will be used by both people who are in need of social support, and those able to offer support. The app will act as social infrastructure matching people with what they need for a price they can afford. It will give Calgarians the opportunity to show our can-do neighbourly attitude at a scale that offers real change giving every Calgarian the leg-up they need to be a productive member of our economy.

Affordable housing is isolating, breeds dependency, is stigmatized, and requires ongoing taxes dollars to maintain. Instead of building affordable housing structures create an affordable housing application that allows Calgarian home owners and landlords to list their affordable housing options. Users who are in need of a housing alternative will create online profiles, that will provide information about who they are. Administered by Affordable Housing (or other city department), landlords will have their monthly rent guaranteed making at-risk renters more attractive.

Users of the platform will be Calgarians facing diverse positions in life. They could be single mothers, artists, inventors, students or immigrants. The life situation and need of each individual can uniquely be their own. Their needs will determine the amount of government subsidization to their housing. Costs for renting could be offset to make the housing more affordable to those in more need.

The platform will allow Calgarians looking to be social responsible, but do not know the best way to do so, a great option. The platform need not be limited to housing. Business owners often want to be social responsible, but are deterred by the extensive administration and resources that go into properly managing socially responsible offerings. This means that most businesses feel that they cannot handle all the work involved. This would offer businesses and corporations an easy way to be more socially responsible by taking the work out of social responsibility. Corporations could easily post to the app and will be paired with a person in need.

This would allow the mobility platform to include posting such as: discounted childcare, discounted classes, discounted co-working, job postings or discounted fitness. Spots that might not fill up anyways, could be offered at a discounted rate to someone in need. This gives everyone access to the same thing, but aids those who may have had to go without.

The great thing about it all being done through the app, is that it will properly integrate. The basement suite on your street could be affordable housing. Two children at your childcare could be at discounted rates. The social responsibility would integrate with the community working how social responsibility should work. This would stop stigma, separation, isolation, reduce dependency and prevent most environmental factors that 'trap' people in a circumstance.

Give Calgarians a chance to support their neighbours, and businesses a chance to be socially responsible. Make it easy to make a village out of Calgary.

This is a one-page summary excerpt. Full content, comments, and activity for this submission are viewable by visiting <http://ideascale.com/t/UKiMZBW9w>

Cohousing: Affordable, sustainable and social supportive

Idea Number: 191

Votes: 3

Submitted: 27/Mar/18 14:20

Comments: 2

Source: <http://ideascale.com/t/UKiMZBW9H>

Author: Vera, Dained

Cohousing is a Denmark concept. It describes neighborhoods that combine the autonomy of private dwellings with the advantages of shared resources and community living. The concept of sharing spaces and everyday lives. It is also an affordable and sustainable living way with energy saving effects of sharing common spaces, and an example of community living.

It is a solution for low-income people but also for insolate people or families. Helping to prevent mental help issues, supporting the most vulnerable population.

Check here an example of a real cohousing project: <https://citiesintransition.eu/interview/co-housing-in-europe-2-vrijburcht-amsterdam>

Why is this an ambitious idea?

Create a sustainable community where neighbours learn to support each other. Bring economical and mental health bene-fits to the community.

How do we measure the effectiveness of this idea?

Energy saving effects of sharing common spaces. By pooling resources to build and maintain common eating, dining and recreational facilities, savings on materials, manpower and ongoing energy and maintenance costs are significant.

Read more: What is Cohousing and How Does it Work? | Investopedia <https://www.investopedia.com/articles/personal-finance/072215/what-cohousing-and-how-does-it-work.asp#ixzz5Ajy8F2i>

How is this idea attainable through the use of technology or data?

Applying green energy concepts to make those smart buildings and sustainable communities.

Public Transit Tracking System

Idea Number: 190

Votes: 7

Submitted: 27/Mar/18 12:40

Comments: 4

Source: <http://ideascale.com/t/UKiMZBW8T>

Author: Parker, Jim

Basic idea: equip all buses and Ctrains with GPS and create an app so that users can tell exactly where their next bus is and how many minutes for YOUR stop. It's a real time map and a text interface.

Possible extension: wireless internet access on the bus for patrons.

Why is this an ambitious idea?

It will include every single individual bus and train active at any moment. People can access these data any time anywhere, and schedule their time more sensibly. Every citizen can have the app for their phone, tablet, or computer. It could help everyone!

Imagine that you left your laptop on the bus. In ten seconds you can find out where that bus is, and you could intercept it and retrieve your item! Imagine knowing that it takes 3 minutes to get to your bus stop and having an alarm sound when it was time to leave. No more frozen cheeks.

How do we measure the effectiveness of this idea?

Clearly the accesses to the live system could be counted, since they are on online. Queries for individual buses, routes, or riders can be assessed. The app could have a direct link for service and complaints, available at the press of a button.

And, of course, if ridership increases it will be a huge win.

How is this idea attainable through the use of technology or data?

That part is clear. GPS technology is cheap and easily available now. Most cellphones possess a GPS chip. Putting one or two on each bus would not be remarkably expensive. Creating a link to a central computer could be accomplished easily as well, either using wireless access along the routes (which could perhaps be extended so that riders could access the internet) or at worst by access points at each stop.

The real technology would be the software, which could provide:

1. A real time map.
2. The location of buses on any route.
3. Accurate ETA for any specific stop.
4. Estimated trip time, including transfer connections.

An upstream approach to urban development and economic benefits

Idea Number: 189

Votes: 3

Submitted: 27/Mar/18 00:22

Comments: 1

Source: <http://ideascale.com/t/UKiMZBW5l>

Author: Hull, Andrea

If we are striving to build Calgary into a "resilient, inclusive and accessible community" then we do need a revolution. We need to look at new ways of building our city and supporting the wellbeing of us all. No more urban sprawl: stop all development of any new communities and focus on making the vast suburbs we have into complete communities and enriching the spaces we already have created. There is absolutely no need for this city to grow outward anymore. We need people with innovative ideas on how to manage property tax-es. Fund and incentivize affordable housing. How is it possible that so many people living here struggle to pay rent? What is at the root of that? We need UPSTREAM thinking and integrated system change. Public health measures that look at having people's basic needs met and human rights fulfilled. Promote public and active transportation by creating more efficient transit routes, more pedestrian and cycling zones, have free trams going north south (eg 5th and 1st streets) downtown to connect 17th Ave to 7th Ave. We need more green space and protection of our riparian areas for flood resiliency and we need to start looking upstream and protecting our watershed areas which are key to flood mitigation. Plant more trees and native flood/ drought resilient plants. We need massively bigger buffer zones around waterways. We need to draw on In-digenous knowledge keepers to help guide how we move forward to protecting our natural environment, be-cause investing in nature will create healthier more resilient communities. we need to start the journey of re-turning power to Indigenous communities. We need to encourage more urban farming opportunities and shar-ing spaces. We need much stricter building regulations that aim for net zero carbon, grey water systems and micro production of renewable energy -- this will create a huge space for tech and business innovation and jobs. What about turbines in city water pipe systems that can generate energy? Using existing wells for geo-thermal energy? We need to start encouraging people to think outside the box and reap the benefits from a new way of doing things. Let's try to stimulate more of a circular economic system to encourage reduction of waste, new business opportunities and local resilience.

Banning plastics and creating opportunities for biodegradable alternatives.

Why is this an ambitious idea?

It is ambitious because it means saying YES to a new way of life. It is a future of empowered communities, re-connecting with the natural world and by doing so harnessing the enormous potential of healthy ecosystems, renewable energy and human ingenuity. This is about working with the environment not against it. It is about LONGTERM planning and commitment, not just looking to the next fiscal cycle. It is about PROSPERITY for all, not just some - which makes us all stronger and happier people. It is about learning from our mistakes, not repeating them. It is about RESPECTING the wisdom of those whose peoples have lived on this land for thousands of years. It is about recognizing that all things are INTER-CONNECTED and INTER-DEPENDENT, that humans do not exist in isolation of each other or the world around us. It is about using less of everything and making the most of what we take. It is about treating others with kindness and dignity.

How do we measure the effectiveness of this idea?

- decreased # of cars on the road; lowering avg GHG emissions and increased production of renewable energy; de-creased waste; decrease in households living below poverty line; decreased homelessness; increased amount of green

This is a one-page summary excerpt. Full content, comments, and activity for this submission are viewable by visiting <http://ideascale.com/t/UKiMZBW5l>

Include ticket fair for LRT/BUS in event ticket

Idea Number: 188

Votes: 2

Submitted: 26/Mar/18 16:10

Comments: 2

Source: <http://ideascale.com/t/UKiMZBW4s>

Author: Schweizer, Thomas

Many European Cities include the fair for the public transport in the event ticket price. For example a holder of a ticket for flames or stampeders game etc would have a day pass for LRT/Bus included in the ticket price. This will promote public transport and eliminate bottlenecks at the train stations and also lower cost for the public transport company. Other events organizers like concerts and fairs could include their event in the program. Hotels and congresses could include a free public transport pass.

Why is this an ambitious idea?

It will take cooperation from all stakeholders.

How do we measure the effectiveness of this idea?

People will like it and it will be easier for travelers and transport

How is this idea attainable through the use of technology or data?

Its been used all over the world, nothing new, just another step to make access to public transport easier.

Modular Zero-Energy Smart Homes

Idea Number: 187

Votes: 8

Submitted: 26/Mar/18 13:13

Comments: 4

Source: <http://ideascale.com/t/UKiMZBW4T>

Author: Bentley, Steve

What if Calgary led the world in making affordable 'smart-homes'. Modular, attractive yet minimalist zero-energy 1 & 2 bedrooms units using upcycled materials wherever possible in existing under-utilized communities. Real-time monitoring for energy usage vs energy created & a vibrant marketplace for folks to sell excess energy back to the grid, enabling you to own your home outright sooner just by living better. If the surplus energy created is predictable and reliable then can we not lower the overall cost on the front end of things?

Why is this an ambitious idea?

Most houses, especially affordable ones, look at sustainability at the end of a long list of other features. This effort should appeal to folks looking to be a part of the solution instead of the problem, which is a growing demographic worldwide. It's ambitious because it takes on the climate challenge head-on in one of the key battlegrounds: where we live.

How do we measure the effectiveness of this idea?

Decrease in Calgary's overall CO2 output. Database of individual users & associated energy usage/output. Number of Calgarians living a lower-to-no carbon lifestyle & number of new, clean energy living units. Overall carbon footprint for users, neighbourhoods, communities & the city of Calgary moving in the right direction.

How is this idea attainable through the use of technology or data?

Zero-energy technology and realtime monitoring is critical for this effort to be successful. What if you could check an app on your phone and track where you are on your energy output that month? The more you get ahead the closer you are to paying off your mortgage? Can you compete with your neighbours? Can neighbourhoods compete against one another etc?

Consolidate, Density, Invite, Entice, Grow

Idea Number: 186

Votes: 6

Submitted: 26/Mar/18 01:33

Comments: 6

Source: <http://ideascale.com/t/UKiMZBW1h>

Author: Shariff, Irshad

Consolidate - Find a low density/high vacancy section (existing infrastructure) OR new area of development of the Downtown core.

Density - Rezone a few blocks including vacant commercial buildings into residential living

Invite - Invite smart city tech companies. Either: a) 1 or 2 large companies (i.e. Google - Sidewalk Labs) OR b) 5-6 small startups to use these commercial buildings and build an entire smart ecosystem from ground up

Entice - Give them incentives (depending on which company, use incentives from Amazon proposal), but also integrate a clause that they have to hire X amount of employees from here as well.

Grow - Creating a tech district in Downtown could really help revitalize and bring density back into the core. Having either the large or small startups in the area, you will be kickstarting a flurry of startups that want to flock to Calgary to capitalize on the density of the downtown core. These employees, students, companies could assist in development of class-based internships which could result into an increase of better STEM pro-grams and quality candidates

Why is this an ambitious idea?

Not only are we aiming to revitalize the economy, but we are looking to regain that momentum from Amazon's bid and grab another large scale company. We NEED DENSITY in Calgary, we NEED TRAFFIC in Calgary. These are signs of a vibrant city when people are constantly moving across the city to do a variety of things and not just stuck in our low density suburbs. Bringing in a large company to integrate a smart city development in the Downtown core (using existing or new infrastructure) not only helps to create a more effective, efficient, smart city, but also boosts tech investment as other companies will see the larger company exploring new cities. This would be a great opportunity to integrate with the new Green Line as well.

How do we measure the effectiveness of this idea?

Create a similar proposal to that of Amazon to lure a company/companies that are looking for a test site for their technology. Make sure to have a clause that they have to hire X amount of Full timers and X amount of interns. We will know if its effective if a technology company decides to come up and take the offer. If they do thats great and we can measure effectiveness more so when they hire Albertans (looking for work and students), when we see other companies being created or coming up to the tech district in Calgary, regain density downtown, and there is an increase in STEM applications at our post-secondary institutions. If people want to move back to Downtown, especially in this region, then we know it's working.

How is this idea attainable through the use of technology or data?

There are countless ideas that can be integrated with technology and data, but we need to have density to have Big chunks of Data to actually make it valuable. Technology is just an arm of what we want it to do, but we need people to collect data from. We can build the perfect "smart" city, but if there are no people ready to move in or that want to go there, there is no data to truly make it into a smart city. We need density, we need a technology district, we need diversification. This is a great opportunity to truly rebuild Calgary as a city of the future and bring in a technology company that is well-funded and well-established to help build a smart city ground up with Albertan employees and students and give people a

This is a one-page summary excerpt. Full content, comments, and activity for this submission are viewable by visiting <http://ideascale.com/t/UKiMZBW1h>

On Demand Busing

Idea Number: 185

Votes: 2

Submitted: 25/Mar/18 13:06

Comments: 2

Source: <http://ideascale.com/t/UKiMZBW1K>

Author: Collyer, Joel

Instead of running buses on fixed routes at all hours, use trip planning and usage data to determine optimal routes. You could also have transit users request pickup/drop-off destinations to adjust bus routes on the fly.

Would result in more efficient busing and likely serious cost savings.

Why is this an ambitious idea?

Completed paradigm shift in how bus routes are setup and maintained. Would make better use of big data, crowd-sourcing, and GPS tracking.

How do we measure the effectiveness of this idea?

Lower overall transit cost, shorter busing times, increased ridership.

How is this idea attainable through the use of technology or data?

Applications in statistical analysis, way-finding algorithms, big data, and crowd-sourcing.

Smart Cities Challenge Phase Three

Idea Number: 184

Votes: 5

Submitted: 25/Mar/18 02:22

Comments: 5

Source: <http://ideascale.com/t/UKiMZBW0z>

Author: Lewicki, Ken

In China, the government has invested \$1 billion on an Artificial Intelligence (AI) research park.

AI is going to play an enormous part of our future. My suggestion is to give grants to AI programs offered by colleges, universities, etc... Put some standards in place and allow many colleges to apply for these grants. (standards such as: quality, ethics, hands-on learning etc...) Make sure many colleges/universities are offering affordable AI related programs to keep any one school from monopolizing the marketplace. Keep funding only between Government and the schools to minimize influence and corruption.

This will allow the best and brightest to come to Calgary to learn AI and make Calgary the AI hub of Canada, maybe even the world. With an abundance of AI graduates every year, the long-term spinoffs for Calgary will be: innovative solutions being tested right here in our great city, and positioning ourselves as a "smart-city", a world leader in cutting-edge technology. Every single industry is looking to AI to enhance its competitive edge: automotive, aerospace, healthcare, medical, oil & gas, energy, 3D printing, technology etc... Which means businesses will want to be close to the AI hubs.

There's a saying that says every great idea starts with a good idea and is expanded on. Right now, this is a good idea. Please help make this into a great idea by commenting below. How can we make this an even bet-ter idea?!

Why is this an ambitious idea?

If we wait five years to invest in AI graduates, it'll be too late. Don't leave it to the schools to come up with the program fees. Tell them to start the programs and have the city pay for most of it, charging the students a nominal fee. Keep the standards high allowing only the best and brightest students to be accepted. The AI program is different from any other programs in that it needs to be singled out and given more funding. The bottom line is the program needs to be affordable for most Canadians.

Calgary cannot wait or we'll be left behind as other cities worldwide are already investing in AI education for its citizens.

How do we measure the effectiveness of this idea?

Calgary can study other cities to find out how they are measuring the effectiveness of their AI education. Do this quick and start implementing a strategy as the "golden opportunity" is going to pass soon.

How is this idea attainable through the use of technology or data?

Technology will be a collaborative effort between the city and the education centers to provide state-of-the-art facilities whereby students can thrive in innovating AI. Students will have to utilize cutting-edge technology create the most ad-vanced AI possible.

Electric scooter or small vehicle for City commuting

Idea Number: 182

Votes: 1

Submitted: 24/Mar/18 20:09

Comments: 4

Source: <http://ideascale.com/t/UKiMZBW0t>

Author: Choo, Chin

Imagine a system for a portion of City commuting with electric scooters, electric skateboards, electric bicycles or any of those small 1 to 2 person vehicles or devices.

Why is this an ambitious idea?

This idea is ambitious only because it is unconventional, not the norm which makes it out of the box, is very different from normal people's bias. Yet if people can break away from that bias it can solve a huge amount of City commuting issues and money, save our environment, diversify our economy and allow for a more healthy lifestyle.

If we have a system where we can commute to work, to the nearby grocery stores, to places nearby where we don't have to drag a ton of metal (car) with us each time. The trick here is to develop a system for these vehicles along or with the bike path system. Not on the roads competing with all the big vehicles. Calgary is ideal for this with its huge network of bike path systems already in place, especially along the rivers. And a system that is presently mostly under utilized, that is mostly used for recreation and not commuting.

I would start by introducing this system along the bike pathways as a pilot project with goals to achieve certain levels of usage after each year. Speed limits would be enforced. \$50m would be a nice figure but I don't think it even requires that much.

How do we measure the effectiveness of this idea?

The true measure of effectiveness is when we can achieve real utilization. For example, if we can shift 5000 people from driving to work downtown to this mode of transport. That in itself will cut down on our carbon footprint and save cost. Traffic congestion on the roads will be reduced. With less traffic on roads, maintenance will also be reduced and that savings can be put to improving this bike path systems, bearing in mind that a bike path system is a lot cheaper than a road both in building and maintenance. Besides savings in building and maintenance, we also save in parking spaces, even to no parking spaces required if an electric skateboard is used for commuting. There are so many benefits and advantages for this system if you think about it. The list can only keep growing.

What's even more exciting is that Calgary can become a world leader in a system like this. There is really no other city doing this. This will be true diversification as we can export this system, even export the vehicles that comes about from this innovation. Yes you can even implement solar heated pathways, smart traffic controls, etc. The economic benefits can be immense.

How is this idea attainable through the use of technology or data?

Technology can really play a huge part here. If you use for example an electric 3wheeler like a prototype Toyota iRoad model, it is a vehicle that is really suited for this system as it is covered and can be heated for winter driving. Even if it's not perfectly suited, it is not a technology that is difficult to improve. It is not like developing an electric car for the future. It is developing a vehicle that can be developed today for today's usage. You don't need to develop a battery for all that maximum range. One only need to charge the battery every few days to commute to work every day. And because it's a much smaller battery it can even be charged with 4 solar panels installed on your garage roof. This is all achievable today.

This is a one-page summary excerpt. Full content, comments, and activity for this submission are viewable by visiting <http://ideascale.com/t/UKiMZBW0t>

Open market on Stephen Avenue

Idea Number: 181

Votes: 6

Submitted: 24/Mar/18 09:28

Comments: 5

Source: <http://ideascale.com/t/UKiMZBW0h>

Author: gallad, diane

Every Saturday. Create space for an open vendors market from May to September. Allow for small private vendors without an expensive license for the term or weekly. Invite amateur artists and musicians and of course food trucks.

Why is this an ambitious idea?

It allows many individuals to enter the "work force" from many entry points.

How do we measure the effectiveness of this idea?

Anecdotal surveys and for vendors and general public.

How is this idea attainable through the use of technology or data?

Share this idea through media. Sign up for vendors via website.

Allocate 10% of New Condos to Poor in exchange for Action Plan

Idea Number: 179

Votes: 3

Submitted: 23/Mar/18 15:56

Comments: 4

Source: <http://ideascale.com/t/UKiMZBW0G>

Author: Laverick, Jason

Any new multi family complex built within Calgary , allocate 10% of the units to the poor or those waiting for permanent housing. The housing will come with stipulations that the tenant provide a 2 year action plan on how he/she them will dedicate themselves to achieving the goal of moving out of that unit. Whether it to obtain retraining, kick addiction, have stability within the family , escape violence or what ever. While in the unit there are no parties, smoking drugs, drinking and the city has the right to remove them at any point if rules are vio-lated. Support from government agencies will help with the action plan milestones, coaching and mentoring while people straighten themselves out.

Why is this an ambitious idea?

There is a selection process that encourages people to have a "next step" to get out of poverty (hopefully) and not just get a roof over their head. Many social services offer blanket coverage without any plan to move forward and "teach a person to fish" instead of just "giving them a fish". Those people who need a break and want to change the direction of their lives with the support of targeted services will have to focus for up to 2 years will have to work for it.

How do we measure the effectiveness of this idea?

Applicants laying out goals and the achievement of those goals will be the qualitative measurement of this idea.

How is this idea attainable through the use of technology or data?

I don't think this requires much technology and the data can be obtained by the application goals and the tracking of the goals by assigned social services

Solar roads to reduce cost/generate revenue/ prepare for future

Idea Number: 178

Votes: 3

Submitted: 23/Mar/18 12:16

Comments: 1

Source: <http://ideascale.com/t/UKiMZBWY1>

Author: Erickson, Braden

Install heated solar roads on tertiary routes to reduce the cost of snow removal and maintenance, reduce the amount of sand/rocks on the road, and reduce collisions.

Use the revenue generated from the energy produced by the panels and the cost savings to expand the amount of solar roads and sidewalks in the city. Therefore not needing additional tax dollars to grow, and eventually lessen the tax burden on citizens.

Use the networking capabilities of the solar road to make Calgary a leading city for the development of autonomous vehicles and a leader of clean energy.

Benefits the city, the taxpayer, and the environment. Now that is what Michael Scott would call a win, win, win.

Why is this an ambitious idea?

No other city in the world has done it.

How do we measure the effectiveness of this idea?

If it reduces costs to city, taxes to the taxpayer, accidents on the roads, and makes Calgary a global leader in autonomous vehicle development.

How is this idea attainable through the use of technology or data?

The panels would be the technology that creates the data needed to address the missing pieces to make autonomous vehicles a reality.

Water Consumption Data

Idea Number: 177

Votes: 1

Submitted: 23/Mar/18 11:14

Comments: 3

Source: <http://ideascale.com/t/UKiMZBWYk>

Author: Sveinson, Keith

Offering an “opt in” program to install an inexpensive cellular device on the existing water meter. The customer would then have access to 15 minute water usage data via smartphone app (you can download “eye on water” for free demo) and a web portal. They can receive emails or texts warning them of excessive usage etc etc

<https://www.badgermeter.com/business-lines/utility/managed-solution-beacon-advanced-metering-analytics>

Why is this an ambitious idea?

The City has written off over \$1M due to high consumption bills. This will allow consumers to monitor their water usage and prevent high water bills.

How do we measure the effectiveness of this idea?

It can be measured by how many customers opt in to the program, how often they look at their usage data and how much they conserve.

How is this idea attainable through the use of technology or data?

Using existing cellular infrastructure, a LTE cellular device connected to the meter and cloud based software for data and web portal.

Automated Transportation

Idea Number: 176

Votes: 4

Submitted: 21/Mar/18 23:19

Comments: 3

Source: <http://ideascale.com/t/UKiMZBWrr>

Author: Parker, Tim

Continue to develop the dedicated bus lanes. Once one is complete convert the busses that access those lanes to driverless vehicles controlled partially by a central computer. Then sell tolls to owners of driverless cars that allow the buyer access to these lanes as well. By doing so, they submit their car to be partially con-trolled by the central hub as well, at least while it occupies the dedicated lane. As time goes on this could evolve as the driverless technologies evolves allowing for extremely efficient transportation. Maybe the city could invest in a number of these driverless cars to fill in the void and rent them similar to an Uber.

Why is this an ambitious idea?

It would be on the leading edge of technology and would require some big brains to come with the safe method of controlling all these vehicles with all the variables they would face but it would prepare the city for the imminent future with driverless tech becoming more and more common, including passenger drones which will require a similar type of control.

How do we measure the effectiveness of this idea?

Ridership and tolls. This could win some serious dollars for the city.

How is this idea attainable through the use of technology or data?

Since they would be in the dedicated bus lanes, with a few modifications to the lanes and the busses, and perhaps the acquisition of further lanes to access, this could definitely be attainable.

Geospacial blockchain core container allocation

Idea Number: 175

Votes: 2

Submitted: 21/Mar/18 12:00

Comments: 8

Source: <http://ideascale.com/t/UKiMZBWpm>

Author: Kominek, Artur

To ease home ownership acquisition and stability in light of increasing lifestyle and situational volatility, we have to address a number of key factors. Simply put: 1) individuals move around a lot 2) what they need changes 3) housing is expensive 4) law enforcement tracking through DMV registry is not adequate. My idea is to have a metal container home as a "core" that stays with an individual, and can be docked into the appropriate location and configuration as the person's life changes. The container that they get is split between a bedroom and kitchen. When they move, they pull their TV, furniture from the living room, into their individual pod for transport. That means moving closer to work, or docking into a larger space when they have kids or co-docking with a partner. The pods themselves are tracked through blockchain technology and form a ledger much more accurately and cheaply than the DMV's.

Affordability can't possibly beat metal container concepts. The limiting factor is the docking options. Garden and garage suites can integrate with this system as long as there is standardised utility and living space orientation, however much larger apartment sized options can be integrated and follow some aspects of the co-op initiatives. From what I studied the limiting factor of the co-op model has been poisonous individuals in common areas (especially shared mealtime/kitchen areas) and lack of maintenance on the complex (especially building envelope water damage, mold or bed bugs). The metal container housing is superior to stick frame with regard to sound, moisture and fire rating, but not concrete. However concrete is prohibitively expensive and not conducive to moving.

At the heart of this technology is not the building itself but the peer to peer technology. It incorporates the way the next generation wants access rather than ownership. They are much more comfortable with Uber, Airbnb style models that are reached through a smart phone. At the moment the most famous blockchain technology in the news is cryptocurrency, however the blockchain tech itself can be applied much better as a public ledger (as it's slow, but conducive to peer to peer verification). Factoring in a Byzantine fault tolerance, and auto-mated AI geospacial tracking, you can also automate the disassembly, move, hook-up, and blockchain location update.

There is an enormous secondary advantage. The technology fits into the much bigger and ambitious piece of the puzzle.. we need a consensus driven geospacial timestamp system to standardise proof of location for smart contracts, IOT devices, supply chains and just as importantly intersection safety for distracted pedestrians vs self driving cars that will need to be located as virtual objects in physical space. If I could jump up and down with excitement I would say look here look here!! It's the unrealised potential of de-centralized blockchain technology and it fits like a glove into our future technium evolution. We're the right city to tackle adversity, with the right educated work force... and the right population to tolerate change.

Thank you for taking your time to read this. Now getting my head out of the dreamer's clouds where I wish I could stay and back to my job selling homes. Have a great day!

A gig economy platform that connects people w job opportunities

Idea Number: 174

Votes: 1

Submitted: 21/Mar/18 07:50

Comments: 1

Source: <http://ideascale.com/t/UKiMZBWoD>

Author: Paetkau, Christian

By 2020 it is estimated that 45% of the Canadian workforce will be made up of freelancers, independent contractors and on-demand workers. To meet this emerging reality gigit has built a system for the gig economy that connects people with opportunities in their local area. Through gigit's connected technology platform, users can earn a living by networking within their community.

As a quick overview, gigit marketplace is an all-in-one open social media platform that aims to...

- Use connected technology to connect workers with job opportunities.
- Allow remote communities to access virtual jobs.
- Boost the Economy
- Connect volunteers with not-for-profit organizations.
- Assist students to find volunteer and part-time work.
- Help young professionals build out a validated digital resume.
- Connect community members to local events.
- Increase donations to local charities and schools.

We understand that connecting your citizens with job opportunities and increasing the economy are two of the needs you would like to address in your proposal and we want to help.

gigit strongly aligns with the Smart City approach of Openness, Integration, Transferability, and Collaboration, and would welcome the opportunity to be apart of your application for Canada's Smart City Challenge.

Why is this an ambitious idea?

The general idea is for the city of Calgary to use one marketplace for all paid and volunteer freelance jobs. This vision of an all-in-one platform is ambitious, but can be done with the right message.

How do we measure the effectiveness of this idea?

- Increase in personal income
- Decrease in unemployment.
- Increase in donations
- Increase in volunteer hours

How is this idea attainable through the use of technology or data?

- Mobile and computer application.
- Big Data tracking of revenue, jobs, and hours worked.
- A digital resume built with ratings and reviews of past work.

This is a one-page summary excerpt. Full content, comments, and activity for this submission are viewable by visiting <http://ideascale.com/t/UKiMZBWoD>

Transitional housing for homeless low income

Idea Number: 173

Votes: 6

Submitted: 20/Mar/18 23:56

Comments: 2

Source: <http://ideascale.com/t/UKiMZBWnV>

Author: Hill, Michelle

Getting empty c cans to make bachelor apartments for homeless. Assemble so garden on roofs. Get shelter ppl to do labor for their new homes. Get rent credits for labor, yard and garden works. Get discounts like Calgary housing pay percent of income. Garden for food...grow organic sell to local restaurants and stores to buy make money on city land that is empty.

Why is this an ambitious idea?

Helps with homeless ppl working poor get affordable green housing and get independent.

How do we measure the effectiveness of this idea?

Several American cities have been very successful with c can housing w gardens.

How is this idea attainable through the use of technology or data?

Centralized Mobile Application For Affordable Housing Initiative

Idea Number: 171

Votes: 12

Submitted: 20/Mar/18 12:29

Comments: 4

Source: <http://ideascale.com/t/UKiMZBWli>

Author: Samvura, Takawira

Create a City of Calgary centralized mobile application that will improve the cities delivery of service our exist-ing & new communities, it will address the major concerns of existing communities where affordable housing initiatives take place. This will be done by:

- Using a Community/Neighbourhood function to address security concerns like adding a Neighbourhood Watch reporting function to make it easy for everyone to participate in their safety and security, and gain access to cameras within their community that they can monitor.
- Using a Community Board function to discuss issues concerning location, aesthetic design, smart construction, increasing safety & security.
- Vote Function can obtain results faster and cost effectively for more detailed analysis so that the affordable housing initiative are a more accepted addition to our different communities.
- Additional functionalities can be added to the Mobile application platform to help monitor, report and follow up on different affordable housing initiatives e.g. Crime watch & public security concerns, development stages, communities welcoming new residents and getting to know the neighbourhood, its by-laws and where to access amenities via the mobile based lesson followed by a quiz to ensure they understand the rules and regulations before the keys are released.
- Cut down the cost of managing affordable housing initiatives so we can invest in better materials to build these homes with Passive characteristics, Solar roofs for heating and electricity, and Green roofs to increase the amount of greenery. It makes more sense to build affordable homes that are beautiful, low maintenance and in which the new residents can afford to pay for utilities. (e.g. ICF or insulated rammed earth homes with a minimum standard of triple pain windows).

Why is this an ambitious idea?

It will streamline & cut costs in the affordable housing initiative process by:

- Focusing on smart phone use & going paperless using it to communicate directly with residents and key stakeholders to inform/bring motions forward, allow for voting and collect feedback in a timely manner.
- Use mobile phones as a tool to help assure communities that their security and safety needs won't be neglected, by adding a Neighbourhood Watch function, they have access to cameras and at the swipe of a button can share information with locals or the police depending on the nature of the concern. This ensures that more residents are aware of any criminal activity in their community and gives them a simple tool to participate more in the protection of their property.
- The application can help increase productivity in the council which will allow existing residents and new residents to get better service delivery.
- Learning Functions can be added to induct new residents via video and a quiz prior to moving into their new home and new residents can request to meet a local volunteer(s) or browse through the community board from their mobile phone so they can get familiarized by existing locals and find their own ways of getting involved in their new community.

How do we measure the effectiveness of this idea?

This is a one-page summary excerpt. Full content, comments, and activity for this submission are viewable by visiting <http://ideascale.com/t/UKiMZBWli>

autonomous-vehicule transportation network

Idea Number: 170

Votes: 4

Submitted: 19/Mar/18 21:14

Comments: 6

Source: <http://ideascale.com/t/UKiMZBWi4>

Author: Neira, Jaime

This is a call to action to make happen the 'driver-less Uber' concept by getting buy-in by a big part of members of society to commit to reduce the need for vehicle ownership by implementing an open full-fledge vast autonomous-vehicle transportation network. Manufacturers/dealerships would commit to provide the vehicles with a guaranteed minimum amount of use by consumers. There would be diverse type of vehicles. Businesses commit to offer online shopping and use the network by requesting a vehicle according to the needs for the specific delivery. People commit to make a minimum use of the system for people transportation and to buy online locally and the goods would be delivered to their homes. Delivery time would be within the hour so you would only order when someone is available to collect the goods from the vehicle which would let the shopper know when it is in the front of their house. The IoT network would allow to locate the closest suitable vehicle (car, mini-car, drone, etc). The vehicle logic would identify when the car needs to refuel and would automatically drive itself to the gas or electric-power station where the station operator would re-fill them. There would be record of all transactions and payment is done automatically by pre-registered credit-card or pay-by-phone account. People who doesn't make the minimum-agreed use of the network, would anyway pay the un-used portion to guarantee the vehicle providers get paid. Once reaching the minimum, consumers would start paying significantly lower-cost per use. The network would be a city-wide platform. Participation is open to all business and persons. Not everybody has to participate but a minimum number of businesses and consumers would be required for it to become a viable use case.

Why is this an ambitious idea?

Such level of engagement and encompassment would requires city-level coordination and support.

How do we measure the effectiveness of this idea?

Getting the minimum registration required in the network by both consumers and providers

How is this idea attainable through the use of technology or data?

Wireless, big-data, AI, robotic, autonomous navigation and other technologies are required for location-awareness, vehicle -consumer communication, online shopping, vehicle navigation, network management, payments and so on.

Edit

Idea Number: 169

Votes: 1

Submitted: 19/Mar/18 15:05

Comments: 3

Source: <http://ideascale.com/t/UKiMZBWIP>

Author: Bauer, Keri

"After one of our worst downturns, Calgary will revolutionize to become Canada's most resilient, inclusive and accessible centre; by increasing our economic diversification to build upon our existing ecosystem AND by partnering to integrate smart city technologies, data and innovation into every affordable and sustainable housing initiative – creating more jobs and housing for all".

Why is this an ambitious idea?

How do we measure the effectiveness of this idea?

How is this idea attainable through the use of technology or data?

IoT Sensor Network for YYC

Idea Number: 168

Votes: 4

Submitted: 06/Mar/18 13:32

Comments: 3

Source: <http://ideascale.com/t/UKiMZBV29>

Author: Leong, Christopher

Evolve Open Calgary by adding in real-time sensor data that would be collected and shared from participating citizens in Calgary. The City would provide the base infrastructure network and build an incentive program for citizens to participate.

Why is this an ambitious idea?

Calgary does not have a public and free-use network that allows for the sharing of sensor data. The cost and complexity to build a public sensor-based network for the municipality is prohibitive for the average citizen.

Open Calgary does not contain readily available real-time data. Freely accessible data not only encourages public participation but also allows for the Calgary and its citizens to make data-driven decisions.

How do we measure the effectiveness of this idea?

The city will have all kinds of sensor data to make data-driven decisions. Groups such as local businesses, schools and individuals will all have accessibility to public sensor data to design, build and implement specific solutions for Calgarians.

How is this idea attainable through the use of technology or data?

Calgary can make it happen by building a city wide IoT network that is open and free to use. The city could start by leveraging technologies that are; built on open source, economical to deploy and maintain, and are environment and power friendly with a focus on Sensor data. Once the network is in place, groups (citizens, communities, businesses, schools, etc.) can be incentivized to participate by receiving free or subsidized nodes to host sensors. These sensor nodes would provide data over the publicly shared network to a data repository such as Open Calgary. All groups, including the city, would be able to use the public data to build useful dashboards, applications, and make informed decisions. As Calgary learns and grows with this low cost IoT network and innovation scales, future needs would be met by adapting the network to be capable of handling increased coverage and bandwidth requirements for more sophisticated IoT solutions.

Some information and examples of technology that can be used:

- LPWAN (low powered wide area network) - click <https://en.wikipedia.org/wiki/LPWAN>.
- LoRaWAN (long range LPWAN) - click <https://www.lora-alliance.org/>.
 - o Japan - <https://smartcitiesworld.net/news/news/lorawan-iot-network-deployed-in-japan-960>
 - o Taiwan - <https://smartcitiesworld.net/connectivity/connectivity/lora-network-will-help-taiwan-become-a-smart-island>
 - o Stratford, ON - <http://www.eleven-x.com/2018/02/21/eleven-x-partners-city-stratford-smart-parking-pilot/>

This is a one-page summary excerpt. Full content, comments, and activity for this submission are viewable by visiting <http://ideascale.com/t/UKiMZBV29>

A Smart City includes Elderly and non-English speaking people.

Idea Number: 166

Votes: 4

Submitted: 05/Mar/18 14:08

Comments: 10

Source: <http://ideascale.com/t/UKiMZBVyS>

Author: Hung, Angie

Challenge Statement: Smart Cities are successful if they serve all citizens including elderly, those that can't or don't know how to use technology, and non-English speaking people.

Background:

I love Smart Cities, using technology, and social media to make my life better. But there are Calgarians and Canadians who can't. Example are the elderly and elderly with a language barrier. I EXPERIENCED this firsthand as a City employee: I was about to go into the Admin Building from 7th Avenue. An elderly man with a cane stepped off the C-Train, looked lost, and didn't know who to talk to. I smiled at him so that he knew he could engage me if he wanted, and turned out he didn't know where to go to renew his senior bus pass. He only spoke Cantonese and thankfully I can speak it basic. Although I had a meeting, I was able to use my cell phone and text my colleague that I would be late. I spent the next half hour walking with him to the 3rd floor Municipal Building, waited for him to renew his pass, then walked him back to the C-train station because he didn't know how to go back. I then waited with him to ensure he took the Blue Line (and not the Red Line) back home. I was fortunate that I could help. But it showed me that there is a need to identify and help these citizens. Use the Internet of Things, WiFi and other data and sensor access points, and create an automatic way to identify and help these citizens.

This submission addresses all the 4 C's: Character, Competence, Collaboration, and Commitment. Character: Shows that Calgary cares about all its citizens. Competence: Ability to identify gap areas, develop options, and go forward with a working solution that addresses the gaps. Collaboration: Different Business Units at The City of Calgary will have to work together, including Information Technology and Calgary Neighborhoods. Commitment: Proves that Calgary doesn't just talk about Diversity & Inclusion, but walks towards a tangible and measurable end goal.

Why is this an ambitious idea?

According to The City of Calgary Seniors Population Profile published in 2016 using data from 2011, 10% of Calgarians are seniors, 41% of seniors are immigrants, and 25% of seniors live alone.

How do we measure the effectiveness of this idea?

Calgary will be on the forefront of senior care, very important in today's world where Diversity & Inclusion emphasizes that Calgary and Canada should address everyone. Use the Seniors Population Profile to address exactly how many Calgarians will be helped by implementing technology to ensure that all citizens have a way to communicate when/where they need assistance, and know which Calgarians are available and able to assist.

How is this idea attainable through the use of technology or data?

This is a one-page summary excerpt. Full content, comments, and activity for this submission are viewable by visiting <http://ideascale.com/t/UKiMZBVyS>

One Window Access to Affordable Housing in Calgary

Idea Number: 162

Votes: 5

Submitted: 05/Mar/18 12:36

Comments: 3

Source: <http://ideascale.com/t/UKiMZBVxt>

Author: Plotnick, Katherine

Our community will leverage technology and partnerships to radically improve how low- and moderate-income Calgarians access the affordable housing that they need. Through a coordinated intake process across over 60 organizations, we will improve the experience for Calgarians needing access to affordable housing so that more people can be efficiently and successfully housed.

Why is this an ambitious idea?

90,000 Calgary households (1 in 5) are in need of affordable housing, meaning that they earn less than \$60,000 per year and spend more than 30% of their income on shelter costs. Currently, there is no single place where these Calgarians can go to find transparent information about their options or apply for affordable housing.

There are over 60 independent non-profit organizations operating affordable rental housing in Calgary. Most of these providers have different eligibility criteria and siloed intake processes, which for the most part are heavily paper-based or reliant on inadequate technology systems. At least 36 different organizations maintain a waitlist, and the extent of duplication across these lists is unknown. Many clients do not know about their options, while others spend significant time and effort to complete multiple application processes with different providers. Several social service organizations have created full-time "housing locator" positions just to help clients navigate this complex system. In 2016, The City of Calgary completed a current state assessment through extensive engagement with affordable housing providers, other social service agencies, and tenants and applicants. This engagement confirmed that the process of finding affordable housing is difficult, time intensive, and traumatic for citizens.

A coordinated intake process for affordable housing has been repeatedly identified as a priority by community initiatives and plans over the years, including Enough For All: The Calgary Poverty Reduction Initiative, Calgary's Updated Plan to End Homelessness, and the Community Housing Affordability Collective's Prioritized Action Plan. This project is also identified in The City's Corporate Affordable Housing Strategy as well as in the Government of Alberta's Provincial Affordable Housing Strategy.

How do we measure the effectiveness of this idea?

Implementation of a One Window coordinated intake process for affordable housing would substantially improve access for all Calgarians to appropriate, affordable housing that meets their needs. This approach would create a centralized system that is client-centered and easy to navigate, removing systemic barriers to entry, increasing transparency, and ensuring that Calgary's affordable housing is effectively utilized to meet clients' basic needs. As a secondary benefit, a centralized system would remove duplication and create significant efficiencies for affordable housing providers through automation and integration of resource-intensive processes. Additionally, a common intake system would make possible for the first time a single, centralized waitlist for housing in Calgary, which would generate new citywide data and analytics on housing need and supply to inform future policy decisions. Making affordable housing easier to access for all Calgarians who need it will ultimately contribute to a more equitable and inclusive city for everyone.

Meet Up Office Space on the Go

Idea Number: 161

Votes: 5

Submitted: 05/Mar/18 10:46

Comments: 6

Source: <http://ideascale.com/t/UKiMZBVwx>

Author: Upal, Ahsan

Increased utilization of City owned real-estate for use of entrepreneurs as meeting or office space. This will add a new revenue stream for the city by renting out these space on hourly basis through a phone bar-code scan mechanism and provide an economical way for collaboration to take place in different areas of the city. Given the high office space vacancy rate in Calgary this service once pilot tested and proven on city owned spaces could be rolled out to private property owners to join while city charges an overhead fee. The service after successful history could be sold to a private firm to manage.

Why is this an ambitious idea?

Calgary has a high ratio of independent consultants and entrepreneurs than any other Canadian city. For this group it is not often possible to lease office space. And if you've young kids you can't typically work from home. Also, if you're travel-ling from out of town and wish to have a meeting with a local client, a temp meeting room easily booked through an app provides a quick way to have business discussions. Coffee shops are noisy and public and it is difficult to have business conversations in a public setting especially when confidentiality is needed or you wish to have a larger group and if you want to have a conference call. A private setting is more suitable.

How do we measure the effectiveness of this idea?

Providing safe, accessible places where entrepreneurs can interact, have business conversations, share start-up business ideas will provide a safe and accessible platform distributed throughout the city that will be not only add a revenue stream for the city but also facilitate collaboration.

How is this idea attainable through the use of technology or data?

An app will be needed to show all the meetup spaces available on a map, windows available and rates. When you sign-up for a slot you'll be given a bar-code that you scan at the meetup entry and scan again when you leave and you'll be charged for the time you used the space. You will be able to rent a shared space or a private space.

LET'S MAKE CALGARY THE MOST CONNECTED CITY IN THE WORLD!

Idea Number: 160

Votes: 6

Submitted: 05/Mar/18 10:28

Comments: 6

Source: <http://ideascale.com/t/UKiMZBVwo>

Author: Dunfield, Ashley

Calgary has an opportunity to be the first city in the world to introduce a new kind of infrastructure, one that could radically improve how citizens, government and business connect and coordinate services.

The new infrastructure is a digital communication network that provides a digital address to all buildings and lots. Similar to a social network each unique building and lot has a unique profile with only limited public information. Once you connect to the property via a relationship, you gain additional access to data and communication.

For example, if you could look up your home address and request to connect as "Owner" or "Occupant". Once you have verified (via one of the optional methods) you can now see and manage all connected services to the property from the government and private providers.

What this does is give people the ability to use their real-world relationships to a property to gain digital communication and coordination permissions. Everything from being able to send a digital message to a neighbour based on their house number (you know their name but not their contact details), to coordinating services from insurance to lawn mowing. You could even be directly connected to all your different levels of government with real-time chat and so much more.

As a form of infrastructure, the city is responsible for controlling the addressing in the network to ensure homes are unique. They also dictate the formal connection types available to each property such as Owner, Occupant, Vendor, Government administration and so on.

The fact we can't do something as simple as sending a digital message to a physical address in 2018 is kind of crazy. Using this type of system enables a vast number of new possibilities while also having a lot of security and controls to protect privacy and avoid abuse of the system. For example, users control if they get unsolicited mail but could set options like only verified owners/occupants of properties in a defined distance can message them, or only government agencies.

This is one of those ideas where if you can see far enough out you see how it will be implemented everywhere in the world. Let's be the first city to do it! Let's understand the limitations and design for them but don't let them hold us back. Let's fight for the possibilities and make this happen!

Why is this an ambitious idea?

The more connected a community is:

- a) the greater the variety of services
- b) the lower the cost of services
- c) the higher the quality of life

This is a one-page summary excerpt. Full content, comments, and activity for this submission are viewable by visiting <http://ideascale.com/t/UKiMZBVwo>

Making Calgary The Most Accessible City in the World

Idea Number: 155

Votes: 8

Submitted: 04/Mar/18 20:24

Comments: 15

Source: <http://ideascale.com/t/UKiMZBVug>

Author: Ramji, Nabeel

The goal is to make Calgary the most accessible and inclusive city in the world whereby equal opportunities exist for all citizens to reach their full potential in places of work, live and play. This opportunity will foster an environment of innovation, collaboration, reflection and participation for all citizens leading to diversified eco-nomic growth in a variety of industries.

Why is this an ambitious idea?

In the Canadian Survey on Disability (2012) by Statistics Canada, it is reported that 1 in 7 Canadians aged 15 and older have a disability (14.2%). Based on the current total population of 36.9 Million in Canada and 1.2 Million in Calgary, this represents 5.2 Million individuals or 175,000 Calgarians living with a disability, respectively. In addition to this, according to the Alberta Treasury and Finance Board, the number of people Aged 65 and older in Alberta is expected to increase from 527,455 in 2018 to 1,171,845 in 2041, and most of the increase is expected to occur over the next 12 years. Although the current average age of Calgarians is 38 years, it is anticipated that Calgary will have more Seniors than Youth (15 and under) by 2030, and therefore, highlights the importance of being an Senior Age-Friendly City.

Upon review of the current landscape, the most common issues / challenges for People with Disabilities and/or Seniors include (and not limited to) the following:

1. Access to Education ;
2. Access to Reliable / Predictable Transportation ;
 - A. Transit Announcements
 - B. Accessible Train / Bus Stations
3. Access to Retailers (not including Food) ;
4. Access to Restaurant and Entertainment / Arts/ Cultural Activities ;
5. Access to Professional Services such as Medical / Dental offices ;
6. Access to Workplaces / Employment ; According to Statistics Canada in 2011, the employment rate of Canadians aged 25 to 64 with disabilities was 49%, compared with 79% for Canadians without a disability.
 - A. Better Barrier-Free Physical Access
 - B. Access to Ergonomics and Assistive Technologies
 - C. Better Understanding and Attitudes
 - D. Access to Flexible / Adaptable Work Arrangements
7. Access to Aging-in Place Housing or Accessible Accommodation ;
8. Social Isolation

This is a one-page summary excerpt. Full content, comments, and activity for this submission are viewable by visiting <http://ideascale.com/t/UKiMZBVug>

A technology (Information Technology) hub in the city of Calgary

Idea Number: 154

Votes: 5

Submitted: 04/Mar/18 17:09

Comments: 8

Source: <http://ideascale.com/t/UKiMZBVuJ>

Author: Peretu, Ebiowe

As a strategic means of economic diversification, proper utilization of immigration policies, positioning of the city of Calgary on the world map, encouraging technological advancement and discovery as well as a means of providing economic growth, the city needs a technological hub zoned out for the purpose of incubating and housing technological startups including entrepreneurial IT startups by immigrants and institutional collaborative research groups and bodies in the area of information technology and artificial intelligence. This part of the city will be zoned appropriately to provide access to the downtown area as well as the airport and equipped with the infrastructure and needed legislature to allow it to birth the next biggest Information technology world giants, advance research in this field, create employment, provide IT tourism and generate an information technology boom that will lead to economic diversification and growth for the city and province at large.

Why is this an ambitious idea?

Calgary and the province are in need of economic diversification and the implementation of an idea of this nature will not only boost economic growth through a shift from oil, it will also encourage a boom in the information technology sector allowing for more jobs, innovation, knowledge export and tourism.

How do we measure the effectiveness of this idea?

Calgarians will enjoy the benefits of :

- A boost in employment rate, growth of a new economic sector,
- Advancement in IT research and artificial intelligence,
- Inspiration for younger Calgarians
- Higher internally generated revenue from knowledge exportation and tourism -A city they will be even more proud of.

How is this idea attainable through the use of technology or data?

We can make this happen through public private partnerships, collaborations with educational and research institutions, Government funding, encouraging immigration of information technology entrepreneurs and development of new policies that will protect, fund and provide strategy for this idea.

Democratizing nature for a smart, healthy city

Idea Number: 146

Votes: 9

Submitted: 27/Feb/18 12:21

Comments: 7

Source: <http://ideascale.com/t/UKiMZBVgt>

Author: Snell, Steven

Equitable and resilient urban ecosystems lay at the foundation of a prosperous and smart city. Our program aims to use a spatial model to analyze Calgary's neighbourhoods for equitable access to nature. Calgarians will be able to designate underserved areas in their communities for ecosystem enhancement.

Why is this an ambitious idea?

Epidemiological studies indicate an association between green spaces and various physical and psychological health outcomes. By developing a systematic approach to protecting, developing and managing our urban ecosystem, we will create opportunities for Calgarians to benefit from the free services described in the health literature such as stress reduction; immune system regulation; cardiovascular health, etc.

How do we measure the effectiveness of this idea?

100% of Calgarians will be within 400 metres of a meaningful nature experience. The City will have robust biodiversity models and datasets to support future ecosystem and development planning decisions.

How is this idea attainable through the use of technology or data?

Alberta health statistics and geospatial analyses will inform neighbourhood-level opportunity areas to reconnect Calgarians to nature. Communities will work with The City to implement, document and highlight biodiversity and nature enhancements within their neighbourhoods using apps supported by online datasets.

Promote the use and improve accessibility of open data

Idea Number: 144

Votes: 0

Submitted: 26/Feb/18 18:11

Comments: 5

Source: <http://ideascale.com/t/UKiMZBVeJ>

Author: Lee, Michael

City of Calgary has a very awesome open data portal of which I believe it is under utilized. Reasons include lack of promotion of use such as hackathons and learning workshops.

We have a good startup community and alot of eager/creative social entrepreneurs. If the City can promote more events such as opendata hackathons or help advertising tools utilizing opendata and providing more real -time data-sets (ie. free parking stalls available in a given area or emergency room wait times), magic can truly happen. Not only can we create more tech startups, but also more ways to improve the city through the use of technology and data.

Why is this an ambitious idea?

There are alot of highly educated people in Calgary and a very good startup/tech scene. Furthermore, we also have a lot of social entrepreneurs willing to make things better in Calgary, but we need the City's help.

City of Calgary has provided us with an open data portal, but even if we have the data and tutorials on the api, there is a lack of motivation from the City's side to promote Calgarians to utilize these data. As such, most developers are unaware of these data or just not motivated enough to utilize these data.

How do we measure the effectiveness of this idea?

You will probably see a lot more entrepreneurs or people trying to kickstart technology in making this city a more high tech place to be in.

An app that allows people to use AR technology to see what a particular public art is all about?

Check An app that tells you what is the closest garbage can in a Calgary park? Check

How about a website that displays Calgary's top trends for small business owners using demographic and census data? ditto

The opportunities are endless and the City would not need to spend a dime in innovating such products as local tech peo-ple would do it for their own reasons.

How is this idea attainable through the use of technology or data?

By providing more platforms for people to learn about your open data portal, more real-time datasets as well as promotion channels to support the development of open data technology, we can make this happen and have calgary become a more connected place.

This is a one-page summary excerpt. Full content, comments, and activity for this submission are viewable by visiting <http://ideascale.com/t/UKiMZBVeJ>

Diversifying YYC's Workforce & Digital Fluency for Students

Idea Number: 142

Votes: 17

Submitted: 26/Feb/18 10:28

Comments: 5

Source: <http://ideascale.com/t/UKiMZBVbr>

Author: Knezic, Sava

Calgary currently lacks the ICT talent to bring itself into the future. There are existing efforts to create the infra-structure needed for tech giants to operate in Calgary, but we need to offer formal and informal computer science learning opportunities for all citizens. By 2020, we will teach coding/robotics in schools, quadruple computer science graduates (currently graduating only 1000 per year) and create a culture of digital fluency in Calgary.

Why is this an ambitious idea?

In our recent bid for HQ2, we learned that we have most of the characteristics required to attract a tech giant like Amazon, with the absence of an appropriate workforce. The ICTC (Information and Communications Technology Council) predicts a need for 17,300 new ICT position in Alberta by 2019, but we graduated only 1000 comp sci graduates in 2017.

How do we measure the effectiveness of this idea?

Economic diversification and potential to attract and retain global IT giants to our amazing city. Higher employment rates and the ability to build new business, and economic growth, around technology. Many organizations are predicting the fastest economic growth in ICT, and we must move in this direction to stay relevant and prosperous.

How is this idea attainable through the use of technology or data?

Online learning is the fastest and most economical way to scale up learning opportunities. This would leverage Alberta's world renowned education system, but could create more targeted learning. Through regular student assessment, mapping results against a curriculum, and creating custom learning, students will be able to move at their own pace. Students with strong self-agency could fast-track, creating ICT professionals more quickly than currently available. Additionally, we could create an online mentorship network for emerging ICT talent to support one another through skill acquisition or the development of new ICT start-ups. Calgary is capable of attracting global giants, but I think we are also capable of creating global giants as we are starting to demonstrate with companies like Benevity.

10-Minute Neighbourhood

Idea Number: 141

Votes: 8

Submitted: 26/Feb/18 09:41

Comments: 7

Source: <http://ideascale.com/t/UKiMZBVbS>

Author: Plouffe, David

Diverse neighbourhood teams to compete to successfully build a 10-minute neighbourhood that allows people to access life's daily necessities within a 10 minute walk.

Why is this an ambitious idea?

Calgarians are starting to realize that walkable cities are more pleasant and more economical to live in. Given the history of Land-Use in Calgary (i.e. separated commercial from residential areas & lack of people-centric areas) few Calgary neighborhoods live up to the 10 minute neighbourhood (destination centric and accessibility)

How do we measure the effectiveness of this idea?

The ability to retain, create, and enhance 10 minute neighborhoods has benefits for users of the neighborhood and benefits for the community as a whole. Calgarians will become healthier and socially connected. The neighbourhoods will have a stronger economy (real estates, diverse retail)

How is this idea attainable through the use of technology or data?

A 10 minute neighborhood has two primary features – lots of places to walk to, and a way to get to those places on foot. For the analysis, this is mapped in term of two primary inputs (destinations & accessibility). Technology will be used to map assets, walk distances and neighbourhood attributes. Data such as walking distances, health records of neighbour-hoods, economic data (real estate, business licenses etc), and municipal data on culture, city services and economics.

Blockchain

Idea Number: 136

Votes: 6

Submitted: 23/Feb/18 09:51

Comments: 7

Source: <http://ideascale.com/t/UKiMZBVWj>

Author: Ross, Terry

I believe that the City of Calgary could best develop a proposal for Smart City funding if it were to commit to developing capabilities for the development and deployment (the tough part) of blockchain technologies. This is not about one particular project per se, but rather a commitment to build upon the City's current capabilities in blockchain and create highly visible, highly valuable, cost-effective projects that can provide a observable improvement in the quality of services the public receives from the City. Furthermore, this will act as a signal to industry, and other stakeholders (academia, other levels of Government) about Calgary's ability to be a leading municipality in innovation.

With the capabilities developed to a high level the City could support blockchain projects relating to voting, provision of services, environmental monitoring, internet of things, machine to machine transactions, public transportation, legal records, royalties etc.

Why is this an ambitious idea?

The huge problem is that blockchain technology is just emerging, but certainly is believed by leading organizations across the world as a technology that could have dramatic impact upon the way that services are provided. Many believe that it will upgrade services as dramatically as when the internet arrived (can you imagine the City of Calgary doing without internet provision of services?). This means that there is a significant upgrade in services that can be explored IF the City can find legitimate use cases (easy), develop the capabilities to architect solutions (hard) and convince its internal staff to engage with upgrading (very hard). However, if successful Calgary will have elite services for its citizens and can support an emerging ecosystem of blockchain talent in industry and academia (e.g. through Calgary Technologies).

How do we measure the effectiveness of this idea?

Depends upon the projects chosen, but as a straightforward example, if the City were to develop services around sovereign identity services enabled via blockchain it could be a meaningful upgrade to the function provided by 'myID'. Also, there could be an upgrade to the City's IIOT capabilities making the data more secure and more transparent. However, I suspect that the greatest benefit may come from backoffice efficiencies in the finance and accounting functions of the City.

I believe that if Calgary were to commit to this strategy and resource it well, that it could develop into a narrative that could improve Calgary's brand nationally and internationally.

How is this idea attainable through the use of technology or data?

- Increase support for existing resources like innovation lab
- Develop blockchain strategy (which projects, which protocols)

This is a one-page summary excerpt. Full content, comments, and activity for this submission are viewable by visiting <http://ideascale.com/t/UKiMZBVWj>

Fostering Entrepreneurship & Collective Learning for YYC Youth

Idea Number: 130

Votes: 16

Submitted: 22/Feb/18 12:09

Comments: 11

Source: <http://ideascale.com/t/UKiMZBVRK>

Author: Ribeiro, Jason

Calgary will be the first jurisdiction in Canada to create an online learning platform that fosters entrepreneurial activities for youth city-wide. A digital badging program accessible through either myID or Calgary Public Li-brary can connect YYC youth to transformative formal/informal learning opportunities across different sectors in the community.

Why is this an ambitious idea?

According to numerous economic indicators, Calgary is one of the most business-friendly cities in Canada. However, the city does not appear on key rankings related to dynamics and innovation (e.g. JLL City Momentum Index 2017; which measure both short and long-term growth) and entrepreneurial behaviour.

The oil and gas sector has loomed large for decades and has been poaching great entrepreneurial talent by offering high income salaries. The current economic downturn and ambiguous estimates as to how many jobs will return to the city if/ when oil prices rebound, invite us to consider the long-term sustainability of Calgary's economy. This is where innovation and entrepreneurship matter most.

Recent research comparing Calgary's entrepreneurial ecosystem to Waterloo, Ontario indicates that the city lacks a) a diversified economy, b) social relations supportive of entrepreneurial behaviour, c) citizens who access/are aware of available networked support, and d) an entrepreneurial mindset for business development beyond quick buyouts and short-term profits.

Without addressing this concern, the city's supportive business climate (i.e. competitive tax environment, newly completed and several in-progress infrastructure projects, high-skilled knowledge era workforce, youngest median age in Canada, available low-cost commercial real estate, etc.) will not be leveraged and fall short of creating the kind of networked innovation and entrepreneurial ecosystem.

This is especially disappointing given Calgary's long history of more startups per capita than almost anywhere else in the country. This is a task our city can lead on.

How do we measure the effectiveness of this idea?

We will be able to meet key targets that we have already outlined:

- ImagineCALGARY: By 2036, Calgary is ranked as the most favourable Canadian city in which to establish businesses that support sustainability practices (p. 39)
- Action Plan 2015-2018: P1; P2 (p. 43)
- Building on our energy: Entrepreneurial energy (pp. 22-32); Innovative energy (pp. 33-40).

Try, Fail, Learn, Improve, Repeat

Idea Number: 126

Votes: 3

Submitted: 21/Feb/18 19:49

Comments: 7

Source: <http://ideascale.com/t/UKiMZBVNH>

Author: Tansowny, Walter

How do we improve quickly? We need to learn quickly. I proposes that the City challenge itself to experiment in all areas of its services and operation. Create a method to track experiments, outcomes, and lessons learned. Perfection is not key, volume is key. If you miss 100% of the shots you don't make, make more shots at the basket.

Why is this an ambitious idea?

This idea isn't so much a huge problem as a huge SOLUTION! This idea has the potential to address problems we don't even know exist; from encouraging economic diversification to addressing social issues.

How do we measure the effectiveness of this idea?

The City can measure the impact of this challenge by establishing a platform to track and get publicity for their experiments. Use software which can identify key words to evaluate what kind of experiments are being conducted and what is being learned. Include surveys to get more targeted feedback.

How is this idea attainable through the use of technology or data?

Create a platform for all City departments to publish their experiments, their goals, outcomes and lessons learned. Teams can compete on how many experiments they run and how often they fail (yes fail. we learn more when we fail and need to incentivize it).

Critical to the success of this is that experiments be small and controlled. Thus the repercussions of failure are small and controlled but the lessons still persist.

Smart City Connectivity – The 5G ready City by 2020

Idea Number: 124

Votes: 10

Submitted: 20/Feb/18 10:54

Comments: 7

Source: <http://ideascale.com/t/UKiMZBVGi>

Author: Basto, David

Our City will enable all actors to prosper and participate in the digital economy by integrating processes and municipal assets into the smart city planning processes. Designated zones for living labs will accelerate innovation and market development stimulating the local economy. Calgary will be a 5G ready city by 2020.

Why is this an ambitious idea?

Calgary's economy has been dependent on oil and gas resulting in fluctuations in economic prosperity. Calgary Economic Development is strengthening the diversity of Calgary's economy by attracting the technology industry. For technology industries to prosper they need rich connectivity and opportunities to innovate and municipalities can help accelerate that process. IoT, remote sensing, big data, autonomous vehicles, connected vehicles etc. are a growing industry dependent on pervasive connectivity. Today wireless carriers can take 12 - 24 months to gain access to specific assets for the deployment of wireless infrastructure. These barriers limit the growth of the connectivity ecosystem and thus slow the progress of technology development. By recognizing these barriers and working in collaboration with the wireless providers, streamlined processes can be developed that balances the needs of the municipalities and wireless providers.

How do we measure the effectiveness of this idea?

Three wireless carriers will have access to over 50 sites (poles or facilities) to deploy wireless infrastructure - Small Cell (4G/5G) by 2020 with a streamlined process that takes no longer than 45 days for permitting. Accessible connectivity and living lab zones will drive technology talent to Calgary and set the foundation for new product and industry development in a variety of fields.

How is this idea attainable through the use of technology or data?

Through principles of "inclusion" and "empowerment" an environment whereby a variety of actors can equally participate will strengthen the digital ecosystem, resulting in new opportunities for the community to develop applications. A living lab is an example of this opportunity in action. When zones around the city have been identified as areas to test new technologies it accelerates product development.

Digital Divide

Idea Number: 123

Votes: 7

Submitted: 20/Feb/18 09:58

Comments: 4

Source: <http://ideascale.com/t/UKiMZBFw>

Author: Zabolotney, Nicole

Allowing all citizens to have access to technology and programing to improve digital literacy.

Why is this an ambitious idea?

We need to provide access to technology as well as the programing to gain interest in order to educate for the future. Peo-ple need to understand the power of technology and how it can enhance their lives, it is very empowering to understand the basics.

How do we measure the effectiveness of this idea?

Having people interested and perusing education in technology fields will increase Calgary's talent pool, which in turn will create economic opportunity for Calgary.

How is this idea attainable through the use of technology or data?

?

Local Government Open to Experimentation

Idea Number: 122

Votes: 3

Submitted: 20/Feb/18 09:37

Comments: 3

Source: <http://ideascale.com/t/UKiMZBFq>

Author: Nessel, Monique

How can Calgary open our infrastructure to foster and enable an ecosystem that supports innovative thinking and creative solutions?

Why is this an ambitious idea?

We need to support existing and attract entrepreneurial companies that require this kind of innovative ecosystem in a cohesive manner. There are a few entities in our community striving for this already, but how can we "turbo boost" this innovation?

How do we measure the effectiveness of this idea?

Enabling a creative and innovative ecosystem within our community could boost our economy, create jobs, support existing companies in testing and trying solutions and draw outside companies to land here.

How is this idea attainable through the use of technology or data?

This is more about setting up the foundation to use technology and data to further fuel our community. Living labs across our city could provide many opportunities for companies to demonstrate and test their products (both physical and digital).