

# CITYCAPSTONE

*We can all engage to make a difference*



# Problem

Cities are not prepared for a fast-growing population.

- **68% of the world population** is projected to live in urban areas by 2050\*
- **386,000 babies are born daily**. Of these, over 90% will be born in less developed regions\*\*
- **\$ 15 Trillion** USD global infrastructure deficit\*\*\*
- With a 2019 Global Competitiveness Index (**GCI**) score of **84.8 out of 100**, Singapore ranks first in terms of **infrastructure**, health, labor market functioning and financial system development\*\*\*\*

\* United Nations 2018

\*\* UNICEF 2018

\*\*\* Global Infrastructure Hub / Oxford Economics 2017

\*\*\*\* The Global Competitiveness Report 2019. World Economic Forum



Are they prepared to face this **challenge?**



# Solution

A platform where governments and citizens collaborate and support projects for their city

## City Capstone

How to Prepare Them for the Future

Conscious Infrastructure



Gives citizens active participation in the design of the future infrastructure

Social listening



Big data analysis to define society demands and needs

Differentiated financing



Dynamic projects investments where everyone can be part of. Different ways to invest:

Tokens  
Impact investing funds  
General investment fund



# Product

City Capstone merge society, government and investors in one platform



## Society

- City people requires good quality infrastructure
- The best options for a healthy society relies on the active consideration of all demographic groups

## Government

- Align projects coming from social listening background with the government public policies
- How the government can orientate city plans to citizens needs

## Investors

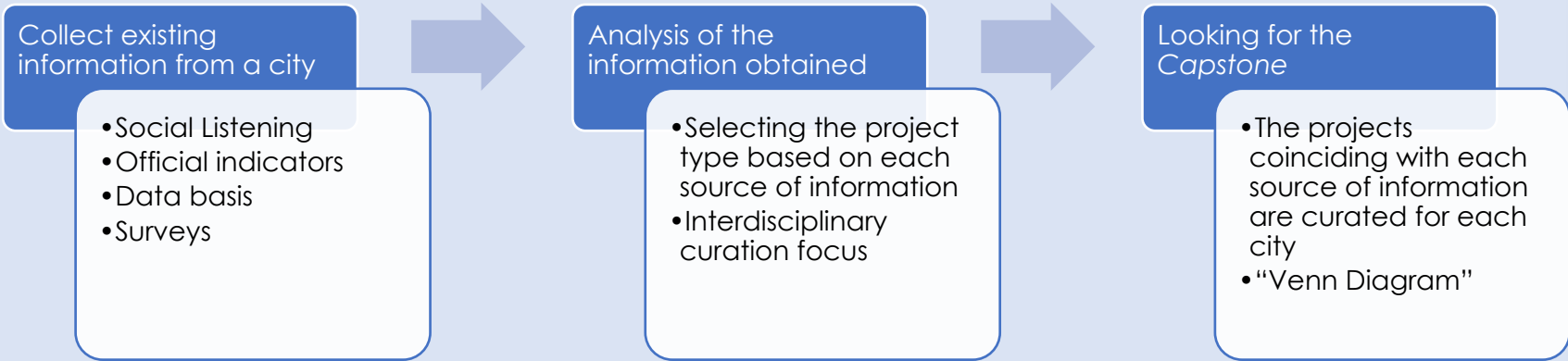
- In financial terms, the expected revenue/benefit of the project in short, medium and long term
- From a common person to the sagacious investor, every people interested to invest in the new way to make infrastructure



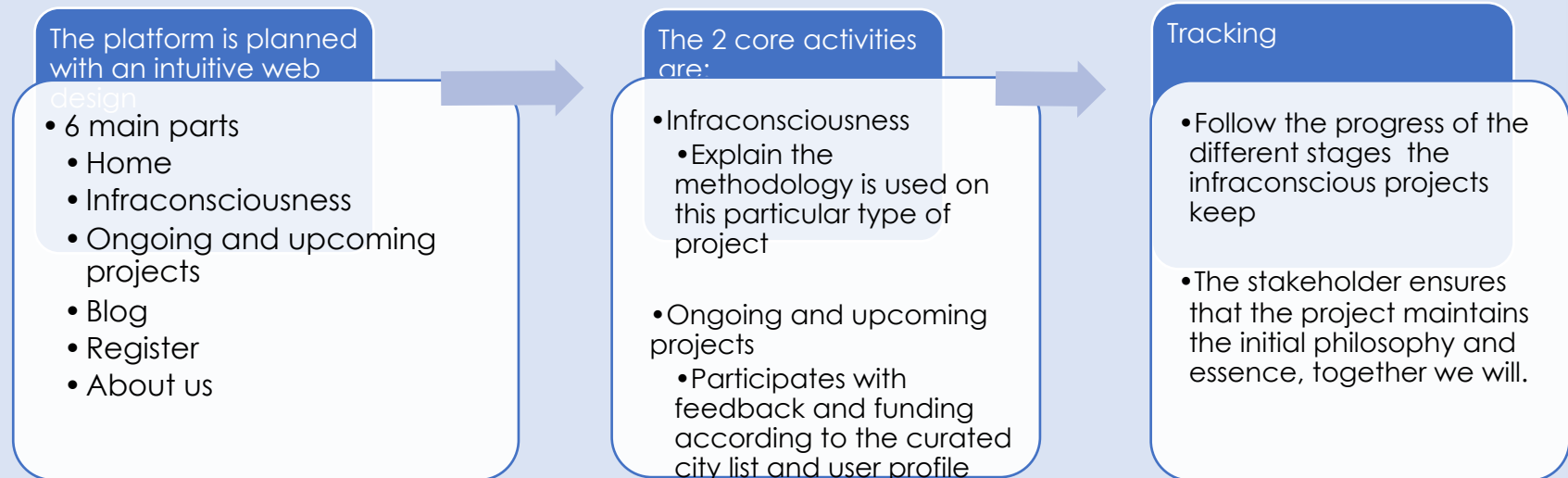
# Product. How it works

A web / app to merge and find all the common interest between population, government and investors

## Back end



## Front end



# Methodology

## 1. Define the city type

*According to population density and economic development*



# Methodology

## 2. Social listening

Define what are the main problems the society is talking about



### Analyze big data from social media

- › Define the topic (s) you want to look for
- › Develop a query with specific words according to the topic(s) selected
- › Run the search in the software

### Develop business intelligence

- › Select a data sample of the universe
- › Define the conversation tone and sentiment
- › Align the data to obtain facts

### Generate business analytics

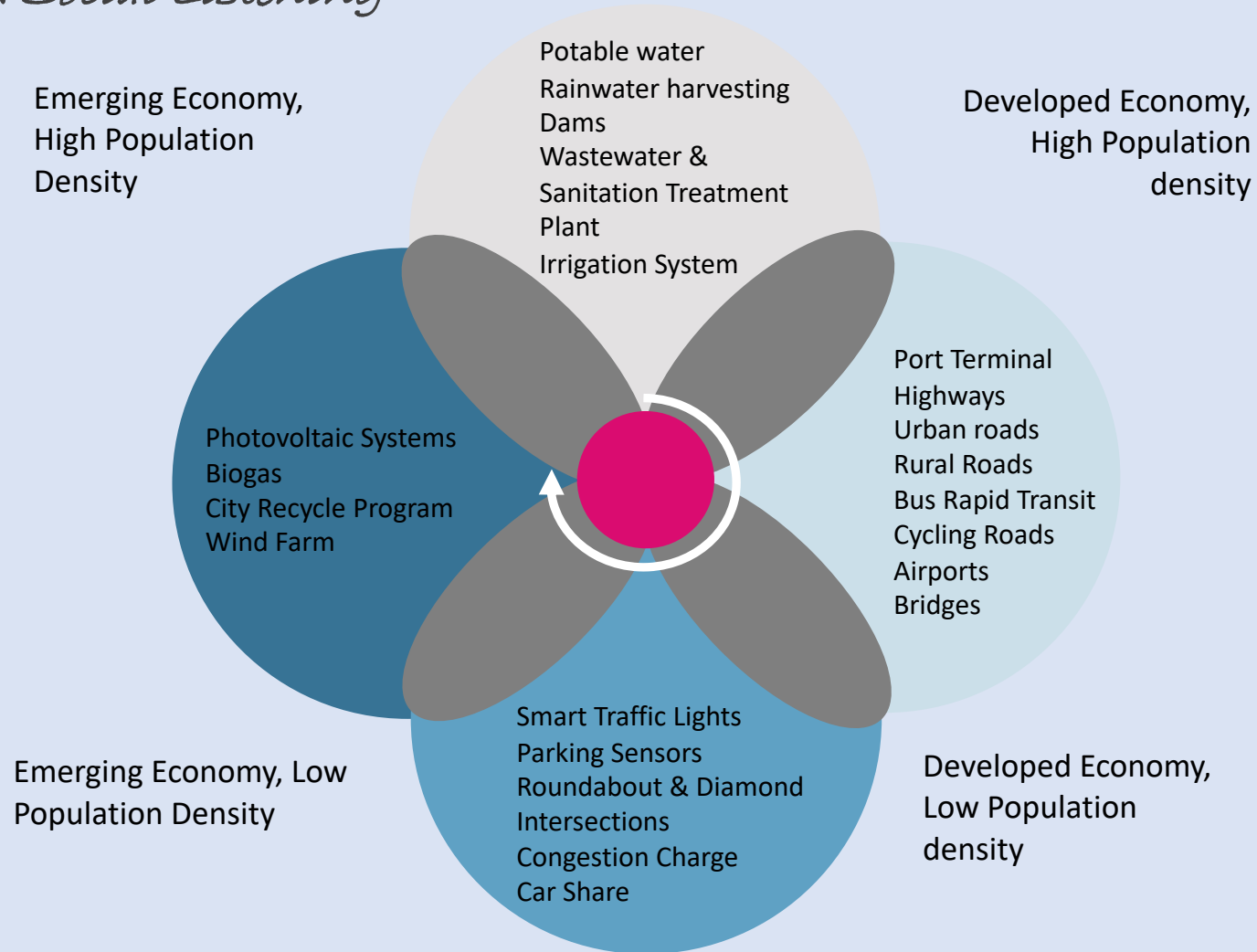
- › Go from facts to insights
- › Look for possible solutions to society problems



# Methodology

## 3. Select infrastructure projects

Evaluate the infrastructure projects according with the *City Type* and *Social Listening*



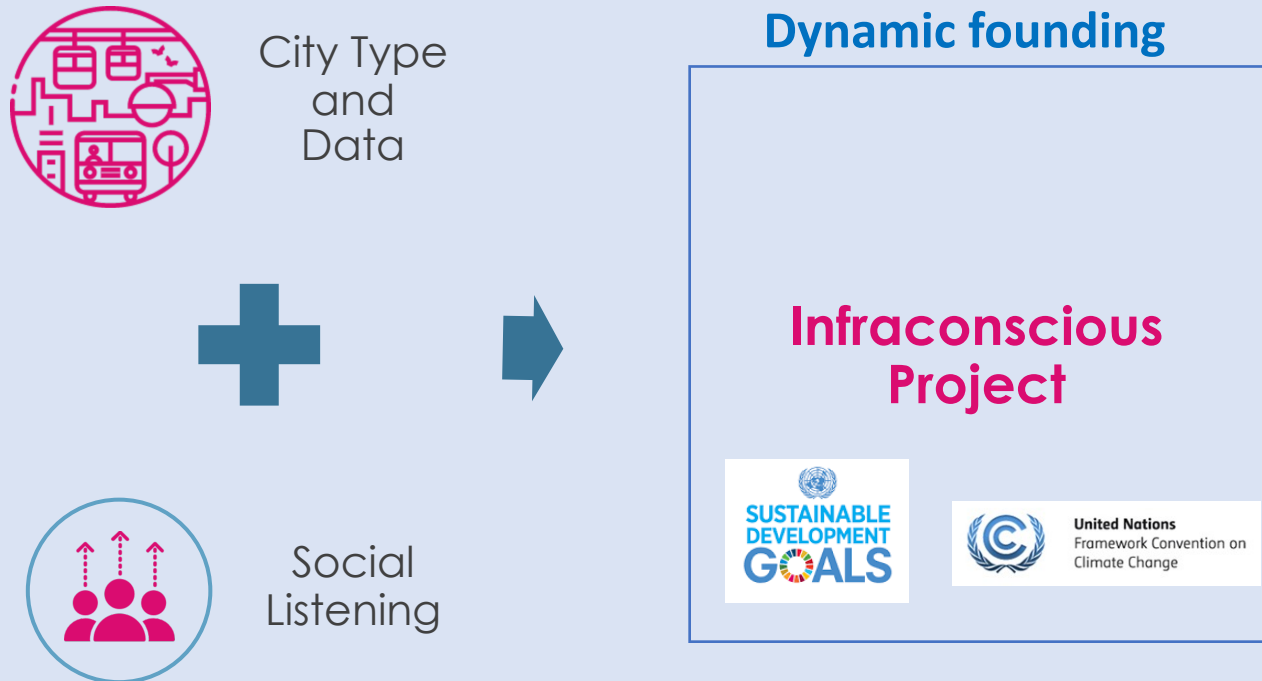


# Methodology

## 4. Look for the capstone

*Merge city needs with the social listening results to obtain an o city project*

Select the top-notch projects as a result of the previous analysis



# Unique Advantages

Why CityCapstone is different, why we're the solution

## CityCapstone

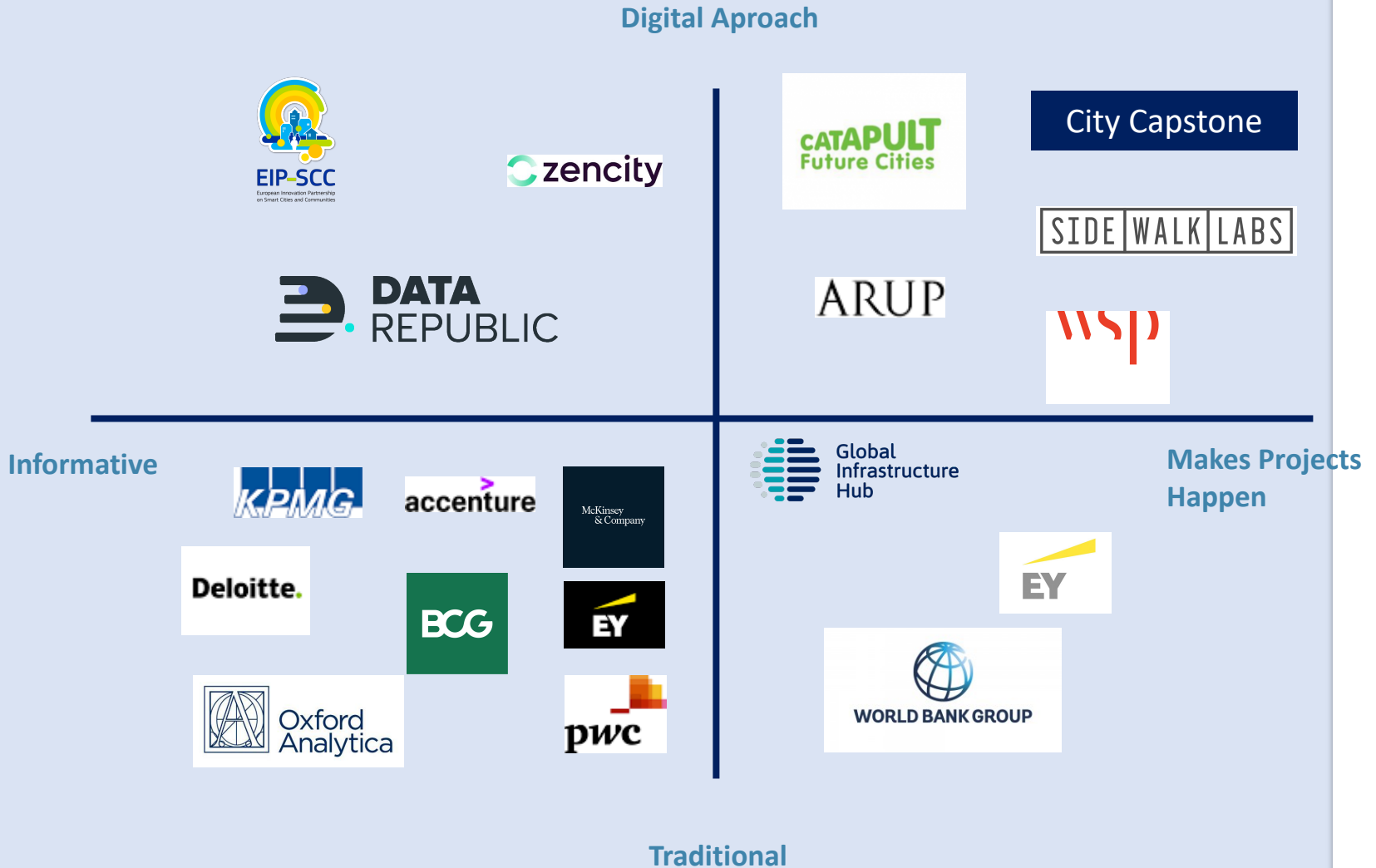
- **Embraces social empowerment**  
The citizenship encourages ideas and projects through social listening and proactive participation.
- **Worldwide financing**  
Inclusive perspective allows plural stakeholders in order to democratize the inversion.
- **Transversal interface**  
The all-in-one platform gathers all the processes from different stakeholders.
- **Agile online frameworks**  
The *new normality* we are experience demands a rapid way to achieve rapid remote work and allows for change alternatives ensuring safer protocols.
- **Sustainable infrastructure analysis**  
Curation involved towards infraconsciousness.

## Traditional

- **Government approach**  
Unidirectional manage of public affaire detonates on an ultimate decision resting in the bureau.
- **Public financing**  
Same old conventional taxes&programs scheme.
- **Traditional way through**  
Local, physical and limited channels to interact with stakeholders.
- **Long term projects**  
It requieres more time and resources to get, at last, an unpredictable result
- **Non-integral analysis**  
Considers few aspects that deviates into a misunderstood reality, privileging the economic as the unique benefit.



# Competitive Landscape



# SWOT Analysis



## STRENGTHS

- Infrastructure projects with high quality and sustainability standards
- Democratize the possibility of the small investor
- Understand the social impact of the final consumer through their digital life
- Broad spectrum in project size, from micro to mega

- Need for active participation in social networks (external)
- Society proposition can be unfeasible and demotivate (external)
- Low reliability information for insights (internal)

## WEAKNESSES



## OPPORTUNITIES

- Focus on SEO can improve search engine ranking and increase the potential universe of projects
- Scalable platform to other strategic areas such as health, food and pollution
- Protection of intellectual property
- Scalability to multinational and international regions

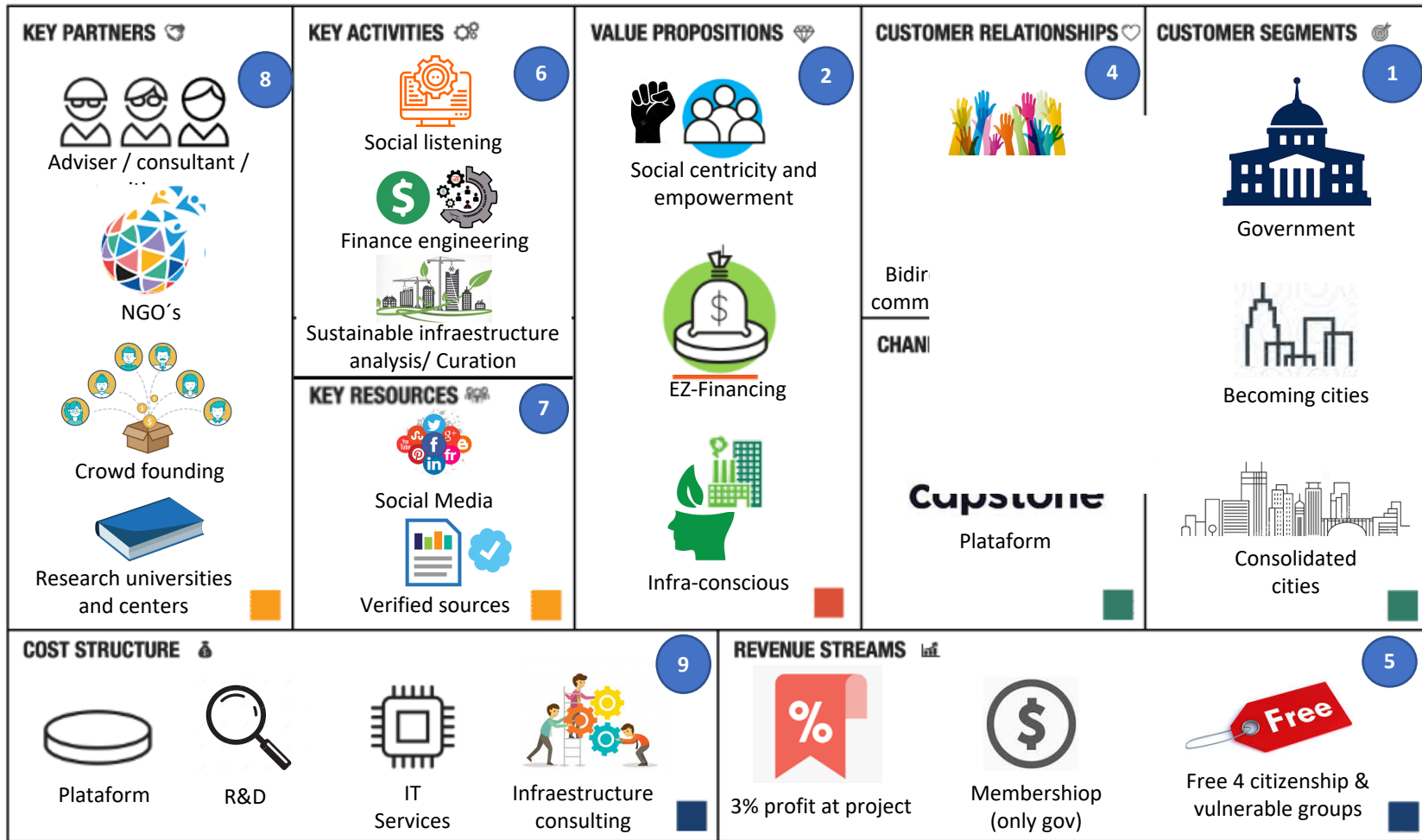


- Compliance risks on the international stage
- Listening platforms can scale to infrastructure analysis and investment platforms
- Information vulnerable to cyber attack
- Massification of similar platforms by social appropriation
- Incompatibility with governmental scenarios

## THREATS



# Business model



## SECTION KEY



CUSTOMER FOCUS



FINANCIAL VIABILITY



INFRASTRUCTURE



OFFER

# Market Size

## Total Addressable Market

**867.8**

Million USD  
Total Sales Worldwide



## Serviceable Available Market

**78.89**

Million USD  
México sales

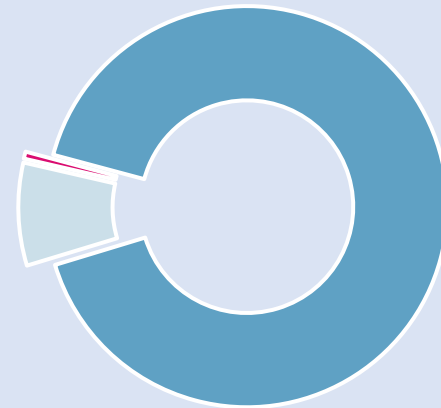


## Serviceable Obtainable Market

**5.432**

Million USD  
Per City

Sales



■ TAM ■ SAM ■ SOM



# Roll up plan

## Process

## Tools

<p>International</p> <p>3 continents</p> <p>10 cities</p> <p>2% revenues</p>	<ul style="list-style-type: none"> <li>• Local available technologies</li> <li>• Historic success/failure projects</li> <li>• Population general preferences</li> </ul>
<p>National</p> <p>5 MS cities</p> <p>2% revenue</p>	<ul style="list-style-type: none"> <li>• Orographic local databases</li> <li>• Local social listening</li> <li>• Local sponsors and opinion leaders</li> </ul>
<p>State (pilot test)</p> <p>1 MS city</p> <p>Free of charge</p>	<ul style="list-style-type: none"> <li>• Example on a medium size municipality</li> <li>• Step traction and potential financing result statement</li> <li>• Local govern popularity index</li> </ul>

- International regulations
- Law regulations by country

- Startup advisory
- Sponsors support

- Govern council intermediate
- Govern collaboration
- Marker strategy base on web



Investment opportunities online

Project process and project examples

Cities projects upgrade

Orographic regional conditions and options to fit

# The team



**Bernardo Martínez**

**From Mexico City**, this architect with a heavy infrastructure specialty has been evolving since 20 years ago with the latest applied technologies in concrete. Tech lover, globetrotter, wine taster and a black novel devotee.



**Juan Carlos Miranda**

**Originary from Oaxaca, México**, chose the profession of civil engineer because of the sheer pleasure of discovering and innovating. Meticulously modern, self-taught by nature, focused on detail, always looking for excuses and opportunities to grow and change



**Nazario Valencia**

**Proudly born in Mexico state**, the different pathways this architect and master in public administrator has been through, has given him the opportunity to collaborate in local government, private companies and entrepreneurship. Enjoys car repairing, metaphysics and autodidactic learning.



**Raul Rodríguez**

**Native form Piedras Negras, Coahuila**. Recently graduated civil engineer, his value added skills are used in infrastructure projects. Deep analysis and methodological rigor are his advantages. Some hobbies are traveling, exploring unknown places and meeting friends

