Pre-Commercial Procurement

Cities as large scale Internet of Everything labs

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SELECT for Cities Challenge

"To design, prototype and pilot a platform capable of linking cities' Smart infrastructure in order to allow for new IoE scalable products and services"

Prototypes piloted through Cities use-cases

Some urban challenges:

- **Helsinki - City IoE service provisioning at Smart homes**

- **Antwerp - Managing city traffic congestion with Mobility RTI**

- **Copenhagen - Integrating IoT City sensor networks**
  - real-time mobility
  - air quality

Who we are & project Factsheet

- Forum Virium Helsinki (FI): Coordinator and member of the Buyers' group

- Københavns Kommune (DK): member of the Buyers' group

- Digipolis (BE): Lead procurer and member of the Buyers' group

- Stad Antwerpen (BE): City user

- iMinds (BE): Living Lab expert

- 21c (UK): Communication expert

Duration: 4 years
Budget: 5.6 million EUR

Pre-Commercial Procurement (PCP)

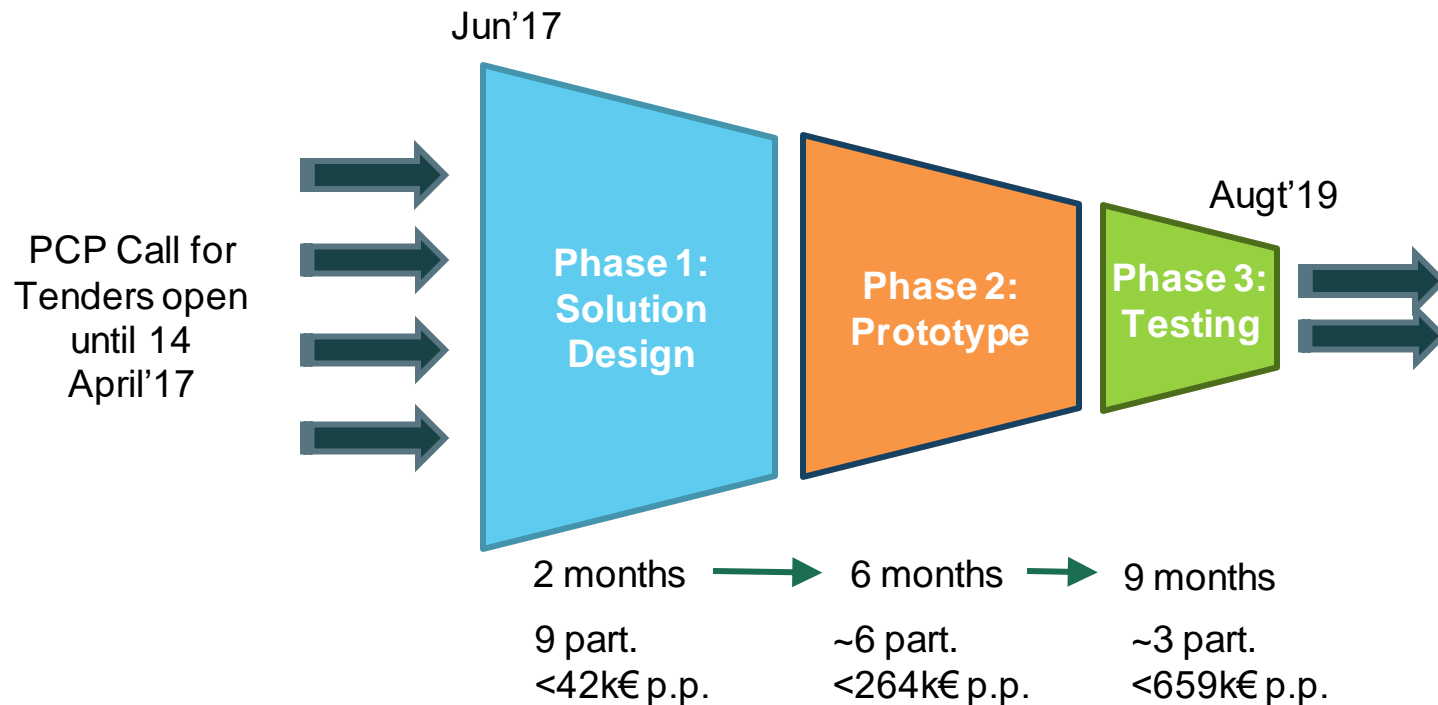… is the procurement of research and development of new innovative solutions before they are commercially available

…R&D is split into phases (1) solution design, (2) prototyping, (3) testing of the prototyping

…with the number of competing R&D providers being reduced after each evaluation phase

Special legal framework Horizon 2020 …exempted from the EU public procurement directives: procurers do not retain all the benefits of the R&D (IPR stays with the contractors)

PCP phases

Total PCP budget: ~4 Million EURO

Jun'17

PCP Call for Tenders open until 14 April'17

Phase 1: Solution Design

Phase 2: Prototype

Phase 3: Testing

Augt'19

2 months

6 months

9 months

9 part.
<42k€ p.p.

~6 part.
<264k€ p.p.

~3 part.
<659k€ p.p.

Expected Outcomes per phase

Phase 1: Concept Design

Concept design & feasibility study (conceptual, technological, financial). This includes:

- how the platform will implement the different functional criteria,
- how the platform will implement the innovation
- how the architecture of the platform will meet the different quality criteria,
- First business model for future product commercial deployment

Expected Outcomes per phase

Phase 2: Prototype

Functioning prototype, a test roadmap, and a preliminary business plan

The development of the Prototype will monitored closely by the Buyers Group through a number of monitoring and project progress meetings and briefings, during which the Contractor will present the current Prototype status and will receive feedback from the Buyers Group.

Expected Outcomes

Phase 3: Testing

Living Lab testing of the selected prototypes.

This approach requires Contractors to:
- Ensure their solution can be applied in different cities
- Show their solution is generic enough to support divergent use cases
- Demonstrate their solutions scale across Europe
- Prove they can manage real-life operations on this scale

Interested?
www.select4cities.eu

Thank you for your attention!