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- Visegrad Fund
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# Smart Cities in the Visegrad Group

*Central Bohemian Innovation Center*

*Budapest, 31.5.2018*

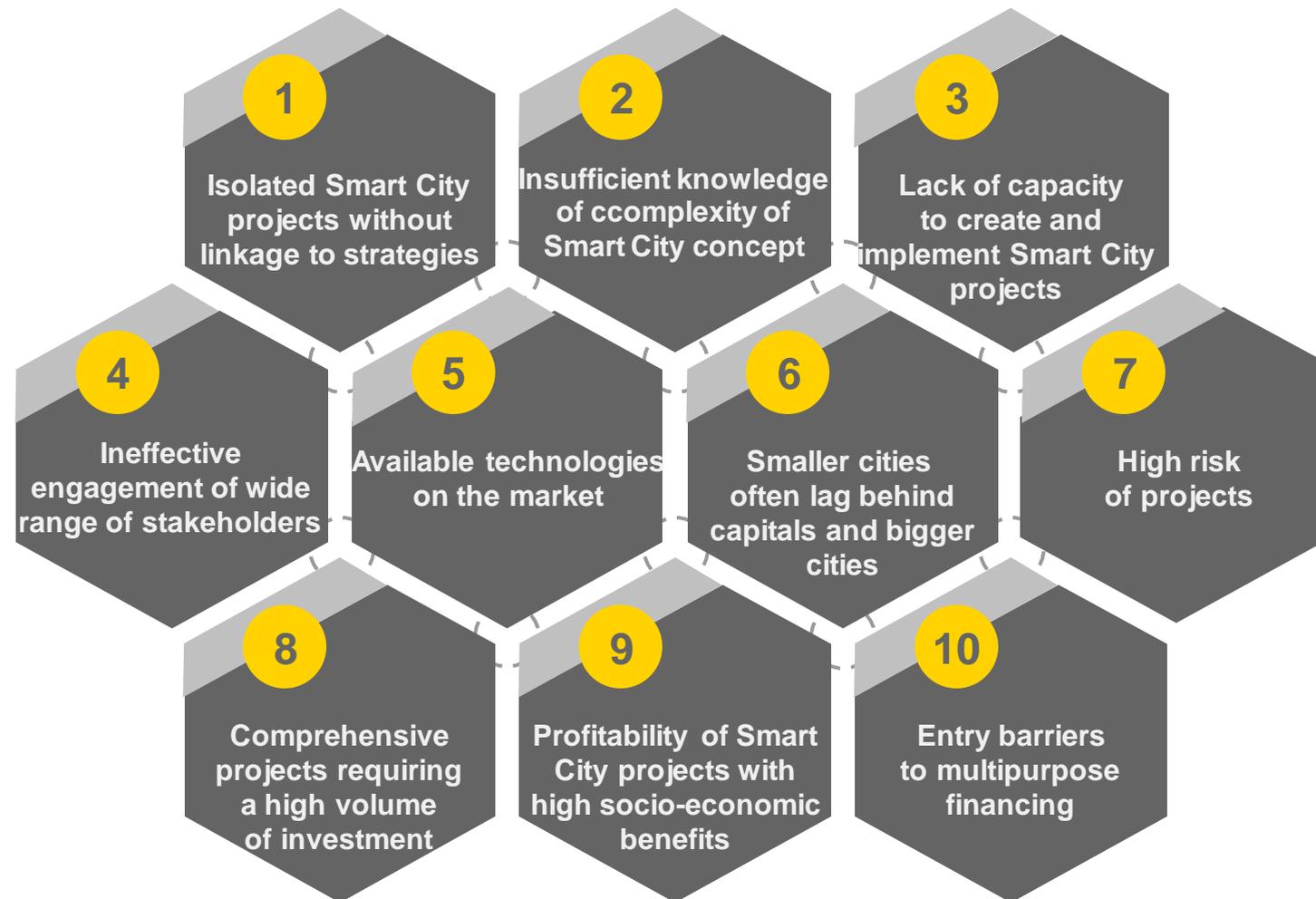


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- ▶ Smart City concept and our experience
- ▶ Presentation of the project and its main objectives
- ▶ Expected benefits
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# Our approach to Smart Cities based on previous experience

InnovEYtion Hub



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## Creation of an investment platform in Slovakia to support Smart Cities & Regions Agenda

- ▶ Analysis of market potential by identifying Smart City projects and analyzing investment needs
- ▶ Categorization of SC&R projects based on a set of Smart City sub-areas that are scalable at national and international level
- ▶ Support of viable projects for the purpose of financing from multi-purpose funding

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## Smart City vision, strategy and implementation plan for Istanbul

- ▶ Defining and setting up Smart City's vision and strategy based on the EY Smart City Index criteria, divided into 8 functional areas and 3 supporting pillars (HR, Finance, ICT)
- ▶ Creation of a detailed plan and initiative cards consisting of more than 50 specific projects for implementation in Istanbul

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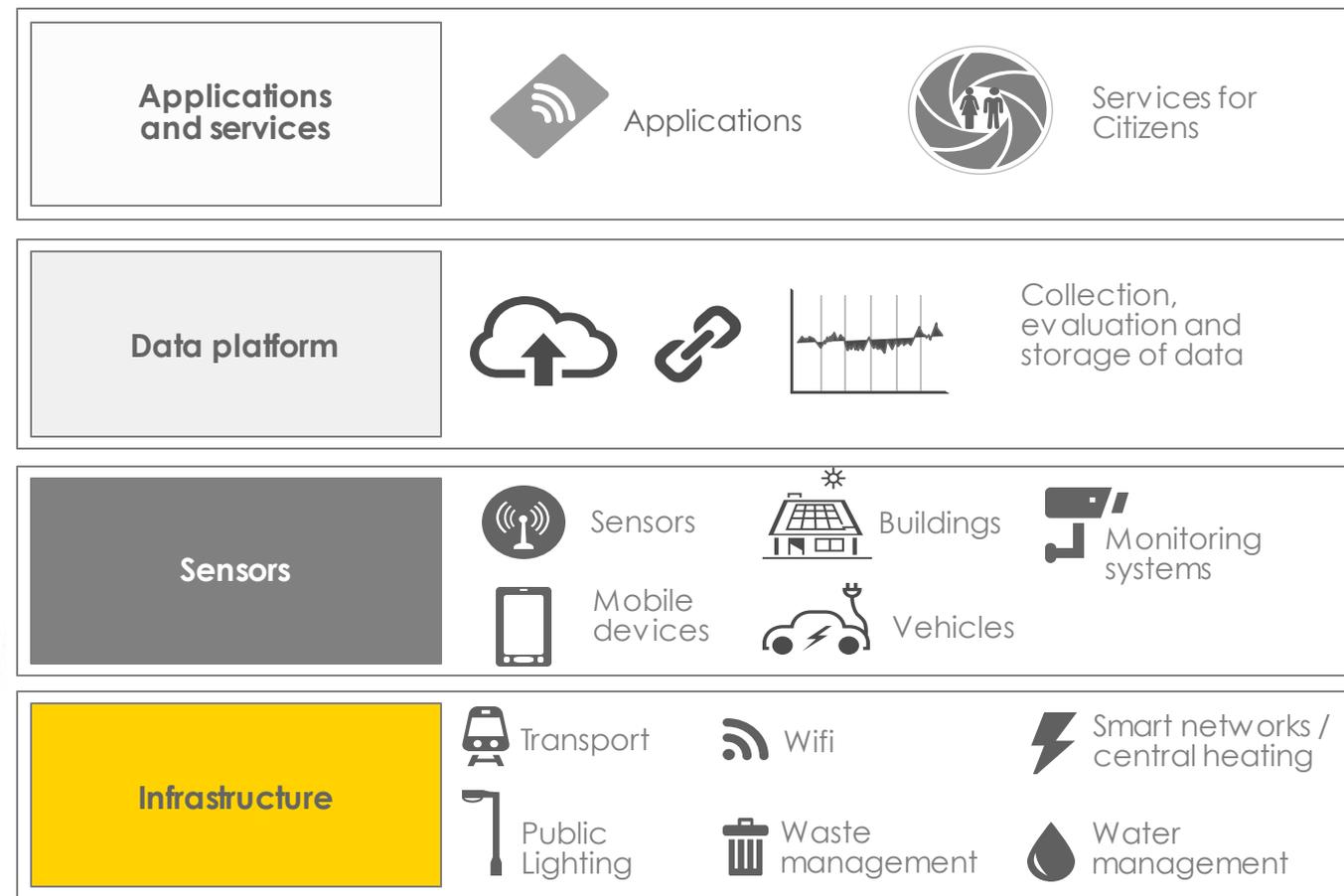
## The Smart City pilot project - IoT monitoring of environment

- ▶ Proposal of final solution, selection and implementation of IoT sensors, data collection and evaluation of correlations between the mobility and environment, including development of data collection and analysis capabilities
- ▶ Customer guidance on IoT selection, design of data flow architecture, design of test interface, recommendations for further steps and planning of future projects

# Definition and methodology of the Smart City concept

An intelligent city can be defined as **a city that is able to make optimal use of all interconnected information to better understand and control its operations and optimize the use of scarce resources by introducing new technologies, close cooperation with citizens and businesses, and adopting intelligent solutions enabling any city to increase the quality it provides to its citizens.**

## EY Smart City Index



## SMART principles



## SMART areas



# Presentation of the project and main objectives

## *Evaluation of cities within the Smart City agenda in Visegrad Group*

### Project presentation

- ▶ Project implemented in cooperation with the International Visegrad Fund to support the Smart City and urban agenda in the region
- ▶ Collaboration of University of Technology and Economics in Budapest, EY, Central Bohemian Innovation Center, Warsaw and Zilina University
- ▶ Comprehensive evaluation of the selected cities in the Smart Cities area in Visegrad Group
- ▶ Duration: 18 months (start November 2017)
- ▶ Project phases:
  1. Initial review of the current situation in Smart Cities in the V4 countries
  2. Creation of a comprehensive evaluation tool of data from public and private sector and citizens in the selected cities
  3. Organization of roundtables with selected cities and stakeholders in each V4 country
  4. Evaluation of data obtained from stakeholders
  5. Creation of a country-specific final report

**1** Evaluation of the current situation of the cities within the V4 region in the Smart Cities area

**2** Creation of the digital evaluation tool in Smart Cities area

**3** Summary of the data obtained for each V4 country

**4** Support for cross-border projects

# Expected benefits of the project

## CITY

- ▶ A comprehensive overview that will help identify Smart City areas to determine the project priorities of individual cities
- ▶ Identification of **key areas of interest and needs** to evaluate the investment priorities of cities
- ▶ Comparative analysis of acquired data in the form of **data visualization**
- ▶ **Acquiring data** on the perception of the Smart City concept by the private sector and citizens
- ▶ Access to a special version of EY SAT for selected cities as a tool for communicating with citizens
- ▶ **Feedback** on city management in the Smart City area, satisfaction with specific initiatives and possible suggestions for other Smart City initiatives

## PRIVATE SECTOR

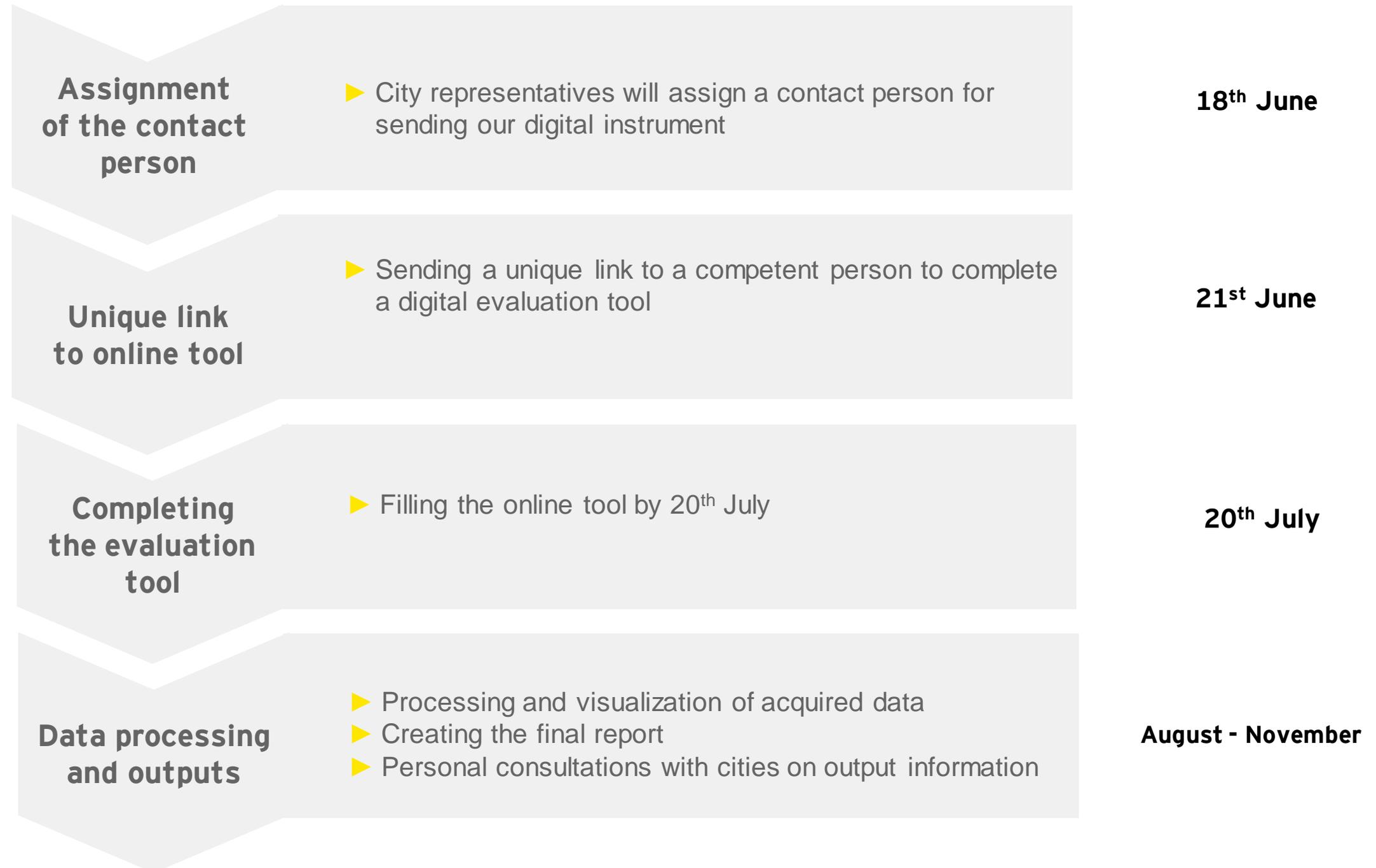
- ▶ A better **understanding of the city's needs** and how to develop the necessary solutions
- ▶ A comprehensive overview of the capital cities and their investment opportunities in the V4 region
- ▶ A view of urban processes and places where an enterprise can contribute to urban development of cities
- ▶ Individual approach to offers of relevant Smart City projects and technology solutions
- ▶ Inter-sectoral dialogue to develop new partnerships with other industrial enterprises and relevant local representatives

## CITIZENS

- ▶ Entry into the decision-making process with regard to solutions based on participatory approach
- ▶ Raising awareness of Smart City initiatives and timely engagement in the planning process that would lead to better adaptation to current needs and habits
- ▶ Developing a participatory culture that will contribute to the development of Smart City projects
- ▶ Improving the visibility and transparency of information sharing
- ▶ Promoting **new projects** with the help of citizens

# Next steps

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