



7. Digitalisation in Municipalities

Mel Slade, IEA Pretoria, 16 October 2019



Training Overview

Digitalisation in Municipalities

Scenario: Your mayor wants to be known for innovative solutions.

Question: What are the ways you can use digitalisation to further reduce urban energy use and improve urban services?

Training Overview

1. Activity 1: Digital solutions in different sectors of the city

10 mins

2. Activity 2: Delivering digital solutions, barriers and solutions

30 mins

3. Group presentation

15 mins

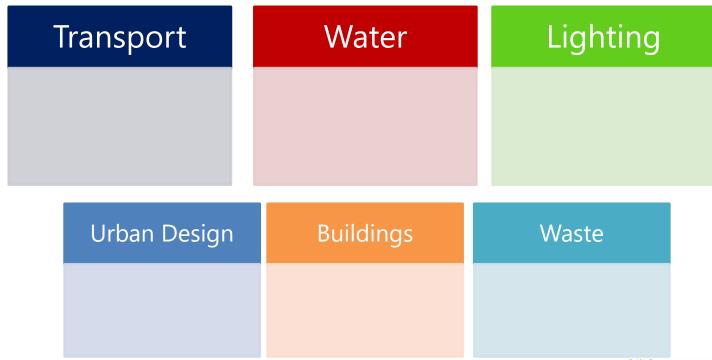


Activity 1: Digital solutions in different sectors of the city



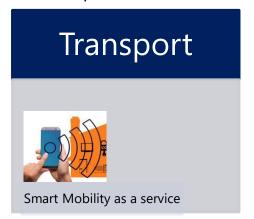
Activity 1: Digital solutions in different sectors of the city

• Arrange yourself into three groups and list out digital solutions that can help lower energy use in the following sectors:



Activity 1: Digital solutions in different sectors of the city

• Some of the examples:















Activity 2: Delivering digital solutions, barriers and solutions



Activity 2: Map out what is needed for the following smart solutions

Select one solution, then break it apart and determine the barriers and solutions to each component





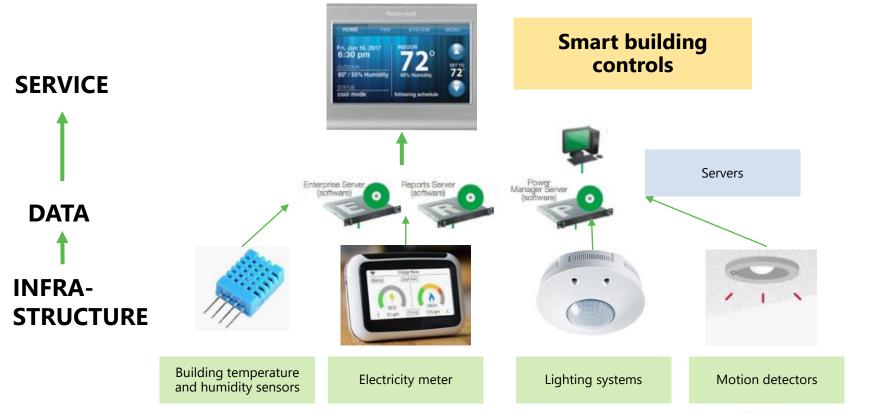


- Elaborate the issues that you might face in infrastructure, data, and service delivery (privacy, cost, ownership, legal authority?) then what are the solutions?
- Use the internet if necessary
- 5-minute presentation per group afterwards





Sample: Breaking apart the elements of a digital solution





Group Presentation





Key Resources

MOOC: Smart Cities - Management of Smart Urban Infrastructures



Learn about the principles of management of urban infrastructures in the era of Smart Cities. The introduction of Smart urban technologies into legacy infrastructures has already resulted and will continue to result in numerous challenges and opportunities. This course will help you to make the best out of the introduction of these smart technologies in your cities' legacy infrastructures.

https://www.coursera.org/learn/smart-cities







