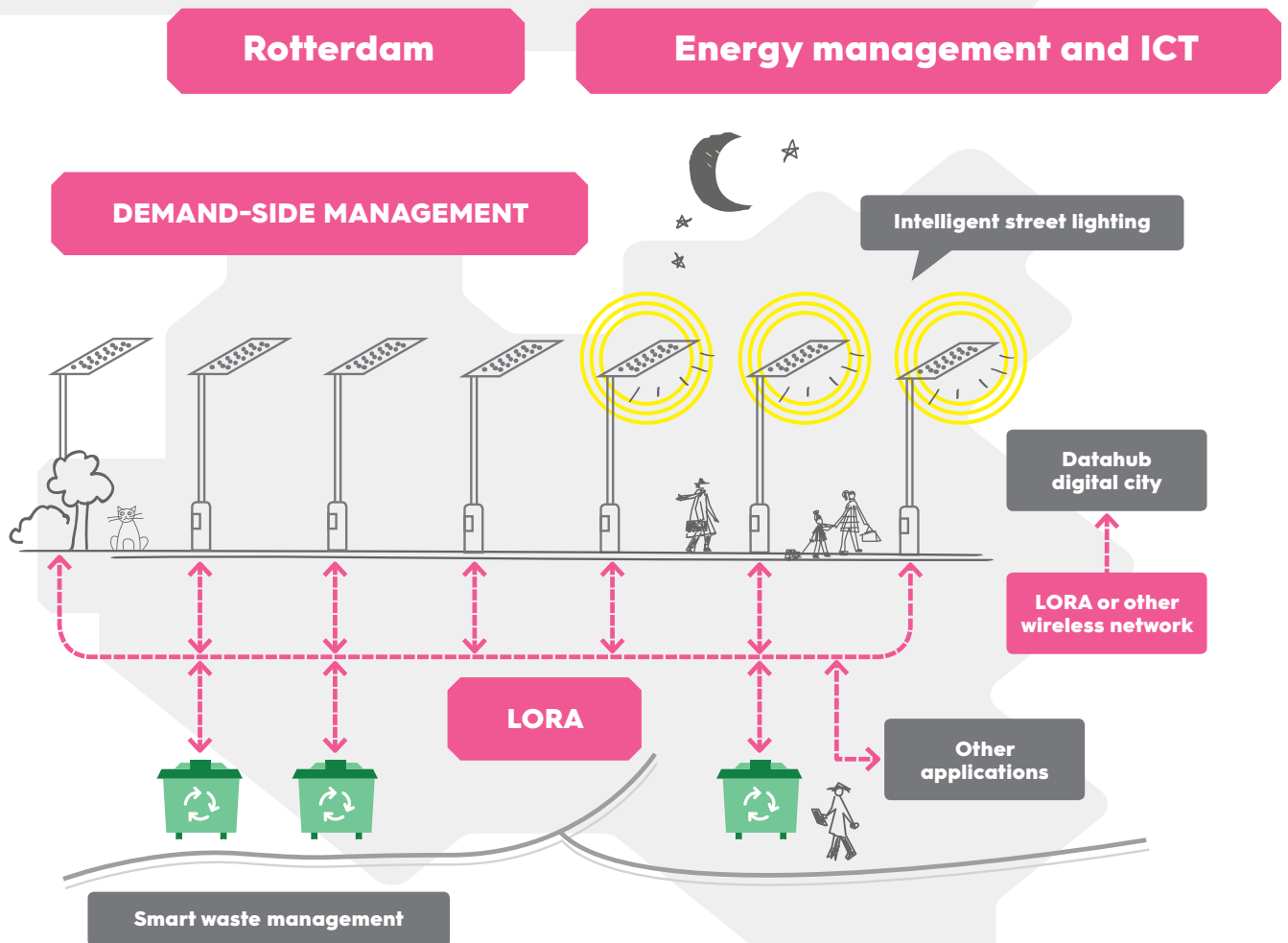


Long-range wireless network (LoRa)



LoRa (long range, low power) is a technology that can send small packages of digital information and data between objects and systems. The use of power is very low but the reach is very extensive. With two simple batteries, LoRa devices can be connected and send data for over 10 years. This technology will facilitate the implementation of other solutions such as the smart waste solution and the smart lighting solutions.

Main partners involved:



FACTSHEET R10

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How does it work?

Through long-range wireless networks (LoRa), several devices and sensors can 'talk' with each other. The main applications are location services and remote control services for closing doors and monitoring the use of energy. It is suited for all applications that don't send data continuously but only at regular intervals.

Small packages of data can be send with the LoRa network to a datahub. Within the datahub, analyses of the data gathered can be completed.

Estimated impacts

Smooth data traffic among several applications that work with the datahub.

Replication potential

Replication is possible in all cities, but the details of the system depend very strongly on the specifications of the city and the governance objectives of that city.

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