

## 4.3.2 COLLECTING INFORMATION FOR SMART MANAGEMENT

### 4.3.2.1 Smart Urban Management: Aalborg; Cork; Essen; Gijón; Palermo; San Sebastián

**Smart Port for Integrated Urban Management; Aalborg:** Considered Denmark's "smart" port, it is increasingly shifting its focus from water-based solutions to developing shore based solutions, to operate as an inland port with a 360-degree catchment area and intermodal logistics hub. Included in this is a real time, smart management system that allows all operators and users of the port to see, in real time, the traffic, navigation conditions, water levels, etc. thereby increasing safety and efficiency through a data driven, shore-based solution. Port of Aalborg has two roles: as a business and as an integrator. On the one hand, Port of Aalborg is a traditional business, encompassing operations, optimisation, maintenance of infrastructure and commercial rentals. The aim is to increase turnover, secure stable business and unlock and develop the potential of our employees. On the other hand, Port of Aalborg acts as an integrator, promoting collaboration and development of businesses and the local community. Here, the aim is to help raise the employment rate, boost growth, and increase prosperity in the local community.

Find out more at: <https://portofaalborg.com/about-port-of-aalborg/the-intelligent-port/>

**Smart Gateway for smart solutions and solving challenges; Cork:** The Cork Smart Gateway illustrates that Cork is a smart city that embraces digital technologies, and the digital experience is constantly evolving there. It is a collaboration between local government, businesses, academic and research institutes and was launched in 2016 to identify and deploy smart solutions to seize emerging opportunities, solve regional challenges and enhance the reputation of Cork as an attractive place to live, work, visit and invest. Local businesses have been supported and engaged to discuss and explore themes such as technology, data, and digital tools. And particularly the Smart Gateway has provided a forum for enhanced citizen engagement in generating ideas for smart solutions in public service, research collaborations and city development. There is also an ongoing programme through the Smart Gateway to foster digital inclusion, enabling individuals and communities to access digital literacy.

Find out more at:

<https://www.corkcity.ie/en/cork-smart-gateway/>

<https://www.corkcoco.ie/en/business/council-supported-initiatives/cork-smart-gateway>

**CONNECTED ESSEN; Essen:** Via CONNECTED.ESEN, the city has aimed for various projects in seven fields of action such as smart economy, science and research, smart education, smart environment, smart mobility and infrastructure, smart health, smart services, smart living and neighborhoods. One of the projects that will also benefit the tourism sector is the establishment of areawide high-speed internet by 2025.

Find out more at: <https://unsere-smartcity-essen.de/>

**Gijón Smart Cities Knowledge Chair; Gijón:** The Gijón Smart Cities Knowledge Chair promotes the development of technologies and infrastructures that guarantee an improvement in the quality of life for residents, an efficient and sustainable use of resources, and active citizen

participation. Initiatives are then implemented in different areas such as smart grids, sustainable buildings, information processing and management, and efficient mobility. The Gijón DemoLab space, is a part of this Chair, where companies can test the compatibility of their IoT technology with the city's network. All of this belongs to the "Integrated City Hall-City Management" project, where an IoT neutral communications network is being deployed, which includes communication and control points in the public lighting network, establishing a 6LowPAN mesh network, an IoT network management system and platform.

Find out more at: <https://gijondemolab.es/>

**The Integrated Connectivity System; Palermo:** Managed by SISPI S.p.a, an in-house company of the Municipal Administration, the Integrated Connectivity System (SITEC), is aiming to provide advanced and distributed broadband connectivity to different categories of users, such as the Municipal Offices of the Palermo area and numerous services, including Internet, Wi-Fi, video surveillance, management of limited traffic zones' entry points or road network sensors. The Telematic Ring, which consists of a powerful and branched fibre-optic infrastructure, is also part of the SITEC. It represents a fundamental asset for the community.

Find out more at: <https://sispi.it/>

**Smart Kalea Platform, data for city management; San Sebastián:** Different sensors were installed in the city by the San Sebastián administration. Their aim is to monitor various relevant parameters for the city management. The data collected is then manage by The Smart Kalea comprehensive platform, that monitors mobility, with counting sensors that are installed at different points in the city, but also traffic management with traffic control and monitoring cameras, that are deployed both at the entrances and in the city centre. Parking and underground park management are also concerned with sensors that measure mobility and parking availability, giving information on free parking lots in the municipal Donostia Transport App. Finally, public transports are also equipped with sensors and the vehicles have an Operation Assistance System to optimize fleet management.



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Find out more at: <https://www.smartkalea.eus/es>