DIGITAL ENABLER

UNLOCKING THE POTENTIAL OF DATA IN YOUR CITY
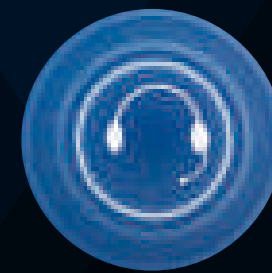
Digital Enabler

for cities

DATA IS
THE DRIVER OF
TOMORROW'S
SMART CITIES.

INFORMATION NEEDS TO BE EASILY ACCESSIBLE AND USABLE, CREATING A PATH TO SUSTAINABLE VALUE CREATION.

ENABLING THE CITY

In the past decades, as a consequence of the digital transformation processes and thanks to the pressure of Open Data movements, Smart Cities have increasingly started to publicly release city-related data on the web. However, this data is currently underutilized on account of the high heterogeneity in data formats, the lack of a single access point to the data, the fragmented ownership and stewardship, and the lack of interoperability between existing proprietary data-driven services ("data silos").
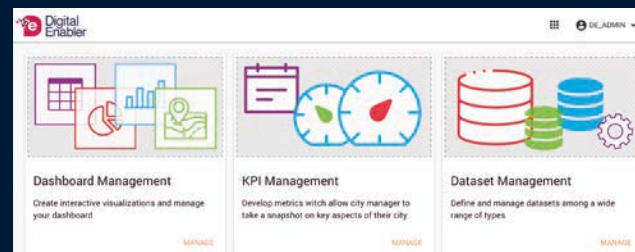
Digital Enabler, the Digital transformation ecosystem platform supporting the entire value chain of data, from the discovery to the analysis, harmonization and visualization.

ENTRY POINT FOR DATA
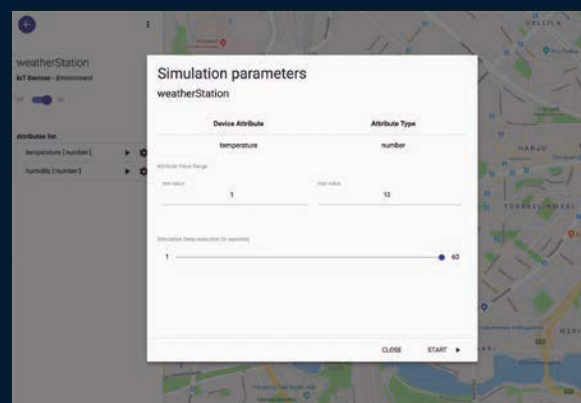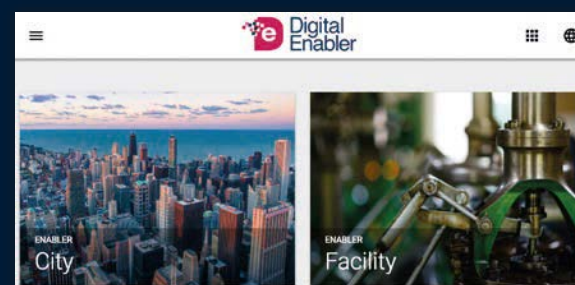### Find, gather and access data coming from different sources

- Discover data already available on the web that you might not have known about.

- Register known data sources (e.g. open data platforms, web services, legacy systems, IoT platforms).

- Make all the available data usable by any application, tool or service, regardless of where it originates from.

- Browse the data collected and perform a multi-language search.

- Keep an eye on the quality of the metadata.

FROM DATA TO KNOWLEDGE
Visualize and analyze data

- Generate city insights with the assisted chart creation to support city planning and management.

- Create more complex city insights by using the full set of data analysis features.

- Make all city data (e.g. coming from sensors, transport providers, websites, open data portals) accessible in one single access point.

CIVIC ENGAGEMENT
Create opportunities for the development of new city services as well as city stakeholder engagement

- All data is accessible through open APIs.

- Digital entrepreneurs can use an intuitive development tool to accelerate the prototype of urban services, relying on data.

- Dashboards allow data visualization at "right time".

- Urban services are easily replicable from one city to another.

- Data is harmonized to improve its governance and usefulness across the urban ecosystem.

THE DIGITAL ENABLER AT A GLANCE

NON-PROCESSABLE DATA IS SCATTERED AROUND THE CITY.

Datasource Discovery Engine

Find potential datasources available on the web.

IoT Device Manager

Register sensors, gather data and store it, run smart simulations to perform what-if analysis. Manage the city IoT Infrastructure.

City Data Workspace

Access the data both through user interface and APIs, measure the quality of data.

Data Mashup Editor

Harmonize with a graphical tool the data to make it usable regardless of its source.

Dashboard Manager and Data Interpreter

Design and create reusable dashboards that can best visualize, correlate and analyze your data as well as providing support in the decision-making process.

City Front-End

Organize the dashboards in domains like environment and mobility and use them. Monitor and send commands to devices.

SINGLE POINT OF KNOWLEDGE GIVING VALUE TO THE CITY DATA

WHY CHOOSE DIGITAL ENABLER?

1 A Single Point of Knowledge for all urban data.

2 Low-cost, easy to set up and use.

3 Portable and replicable in different domains and cities.

4 Insights to understand, manage and plan city initiatives.

5 Multiple data sources but still harmonized data.

WHO CAN BENEFIT?

Citizens

Cities Managers / Decision Makers

Developers

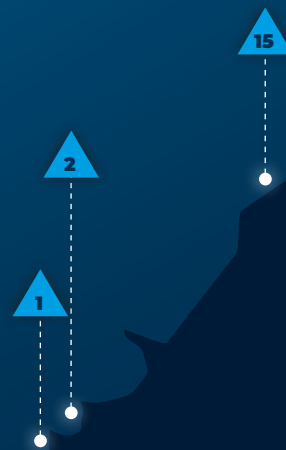City providers, public and private

Powered by FIWARE

THE DIGITAL ENABLER ECOSYSTEM

The team behind Digital Enabler takes pride in its current close and long-term collaborations with pioneer cities as well as early adopter cities and it is striving to establish further partnerships worldwide.

Europe

South America

1 La Plata
2 Montevideo
3 Helsinki
4 Copenhagen
5 Antwerp
6 Rennes
7 Nantes
8 Lombardy Region
9 Trento
10 Madrid
11 Málaga
12 Genoa
13 Ancona
14 Palermo
15 São Paulo
16 Hamburg

Bike sharing

Parking

Participation

Environment

Mobility

Tourism

Resilience

Utilities

Farm

Industry

Health

"It's never been so easy to install and integrate different IoT and data sources to manage our parking area and control air quality around our building. Using Digital Enabler is smooth and straightforward."

Heber Assaf,
Regional Director, Arnaldo C. Castro S.A,
Montevideo, Uruguay

"With Digital Enabler we've created, within just one week, a dashboard to manage and visualize data coming from different sensors scattered in the city of Genoa, pertaining to different organizations. Data integration and harmonisation has never been so easy and fast."

Paolo Castiglieri,
Head of Smart City Strategy,
City of Genoa, Italy

ENGINEERING

Co-funded by

eit Digital

Give value to non-processable
urban data scattered in the city.
Unlock the potential of IoT data.
Try out the Digital Enabler!

www.eng.it/our-platforms-solutions/digital-enabler

Lanfranco Marasso
lanfranco.marasso@eng.it
—
Smart City Program Director
Engineering Ingegneria
Informatica SpA

Giovanni Aiello
giovanni.aiello@eng.it
—
Technical Manager
Engineering Ingegneria
Informatica SpA