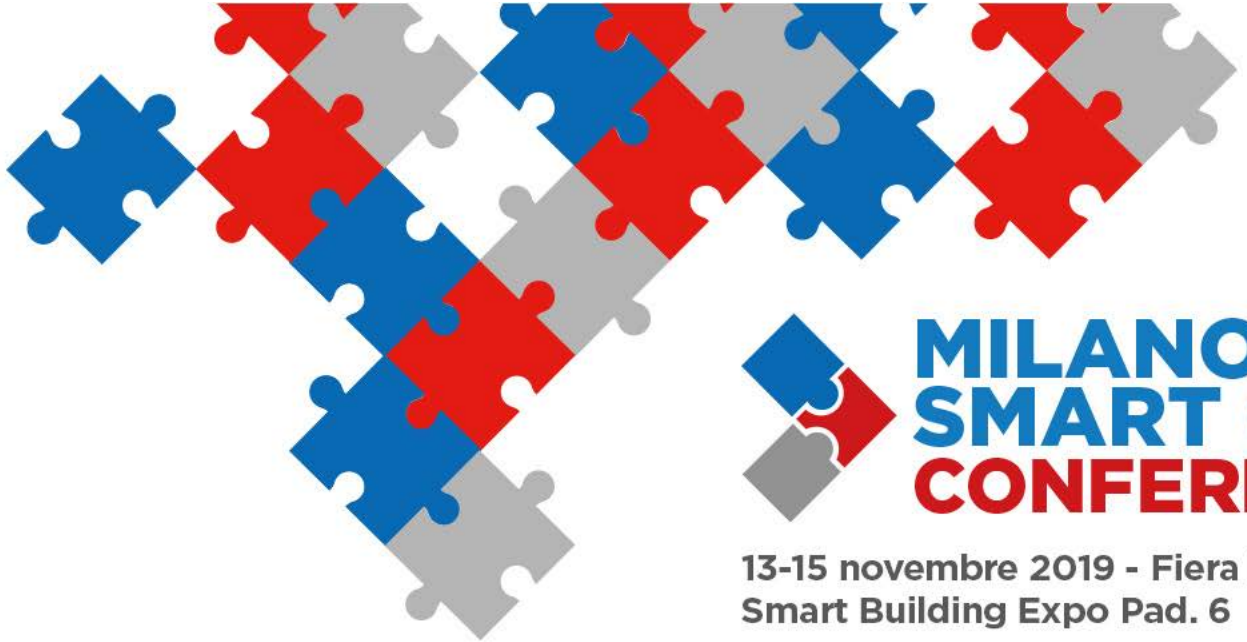


MILANO SMART CITY CONFERENCE

13-15 novembre 2019 - Fiera Milano, Rho
Smart Building Expo Pad. 6

Open Platform per smart city

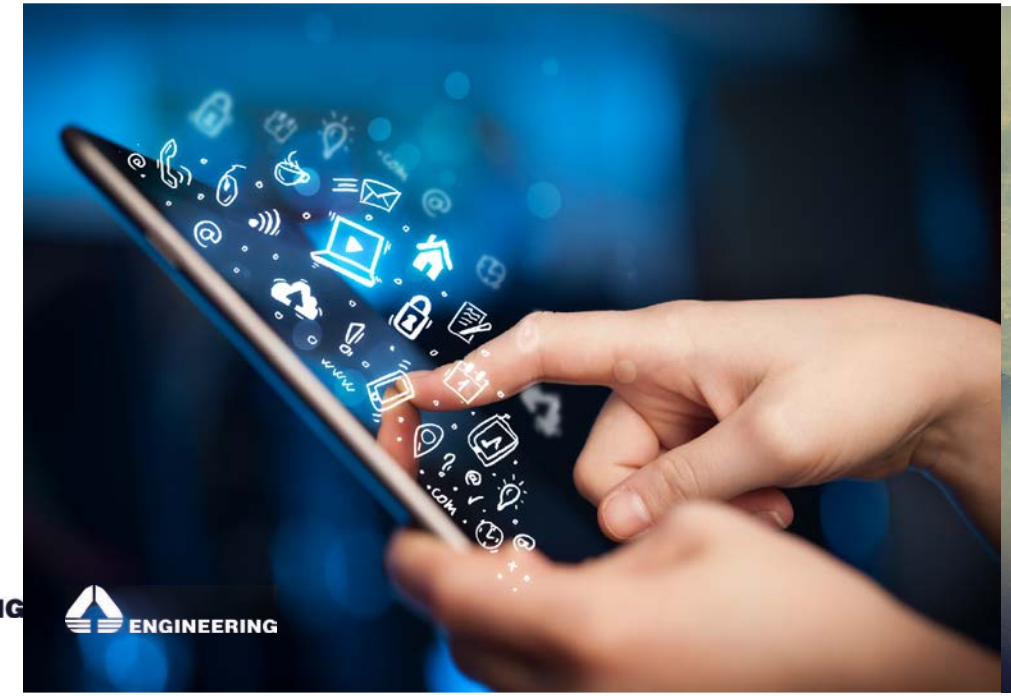
Lanfranco Marasso, Ph.D.
Engineering Ingegneria Informatica spa
Smart City Program Director

Milano, 14 novembre 2019

ENGINEERING

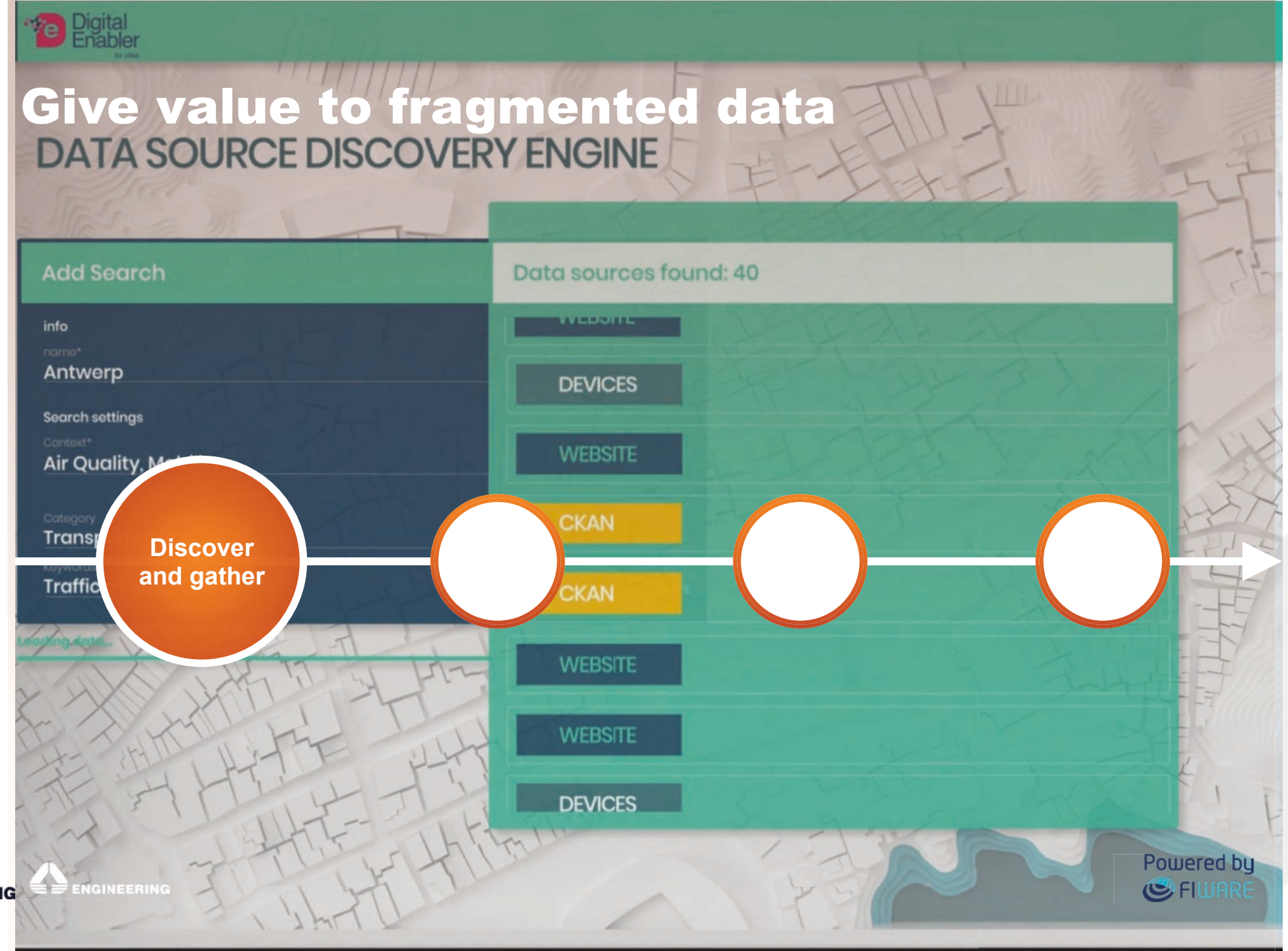
THE PARADOX: So many data and apps...

Data in heterogeneous siloes
Low data quality
No awareness of data available
No unique points to access data



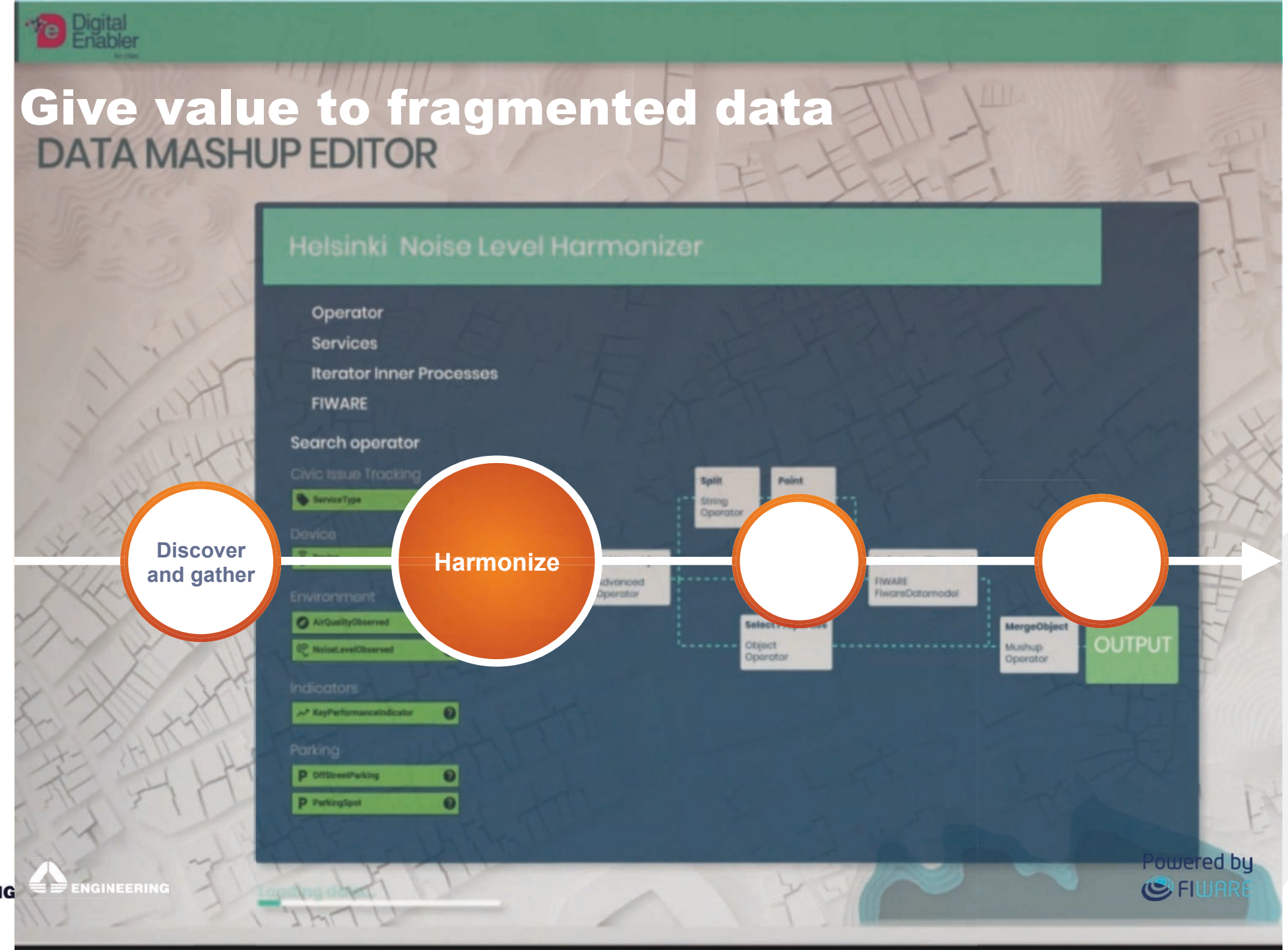
Give value to fragmented data

DATA SOURCE DISCOVERY ENGINE



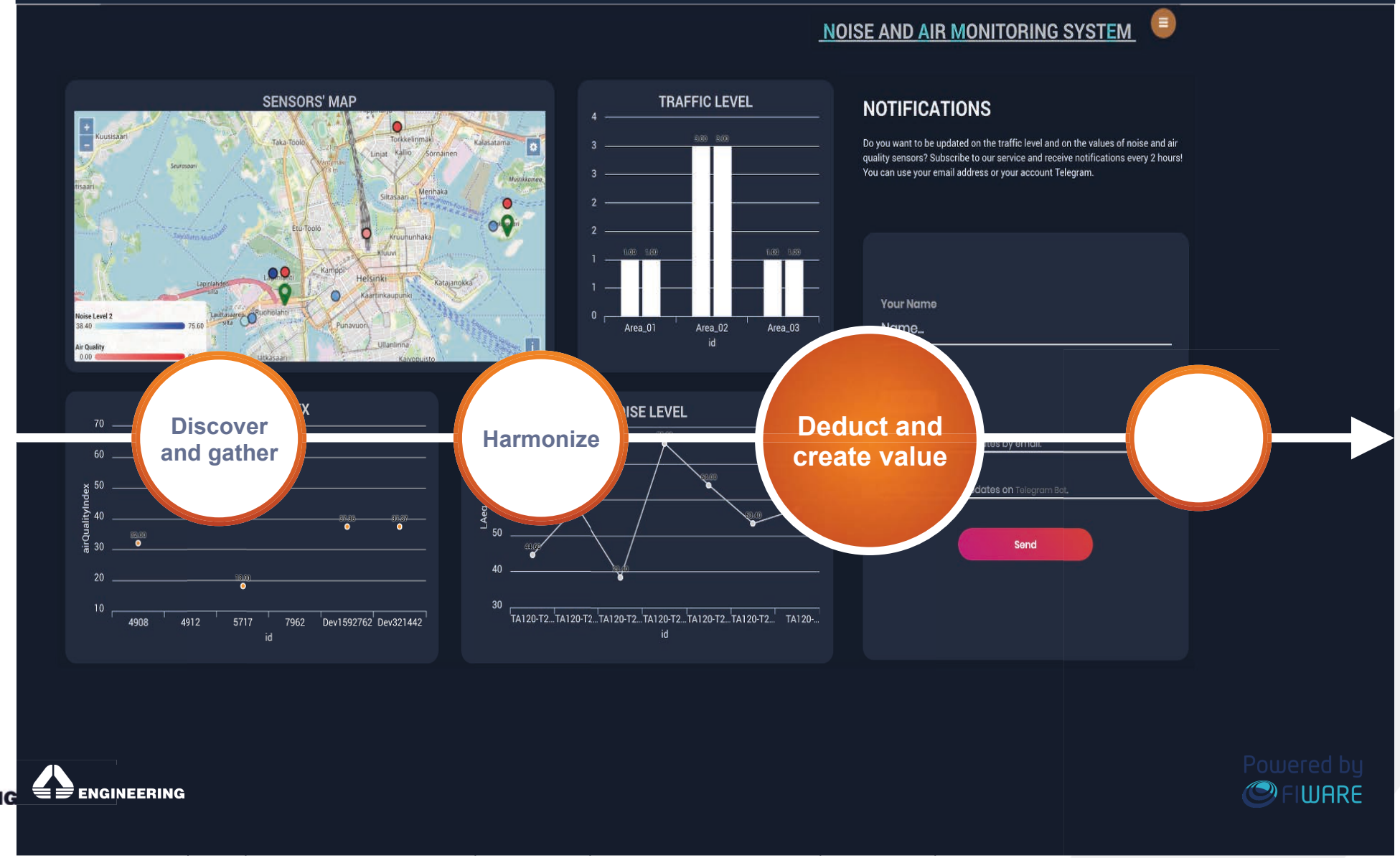
ENG ENGINEERING

Give value to fragmented data



ENG ENGINEERING

Give value to fragmented data



ENGINEERING

Powered by FIWARE

FIWARE GLOBAL SUMMIT

Give value to fragmented data

Discover and gather

Harmonize

Deduct and create value

Use in different Domain

ENGINEERING

Powered by FIWARE

ENG

Digital Enabler, the Ecosystem Platform

and many more

- independent by (industry, domain, technology)
  - based on **Open Standards** and **Open API**
- **Based on 100% OSS,** powered by FIWARE
- applying "**No lock-in**" (vendor, technology, …)

Doesn’t matter size, geography, ...

Easy and quick portability, replicability, scalability

Fast prototyping

Install it and use it in few days

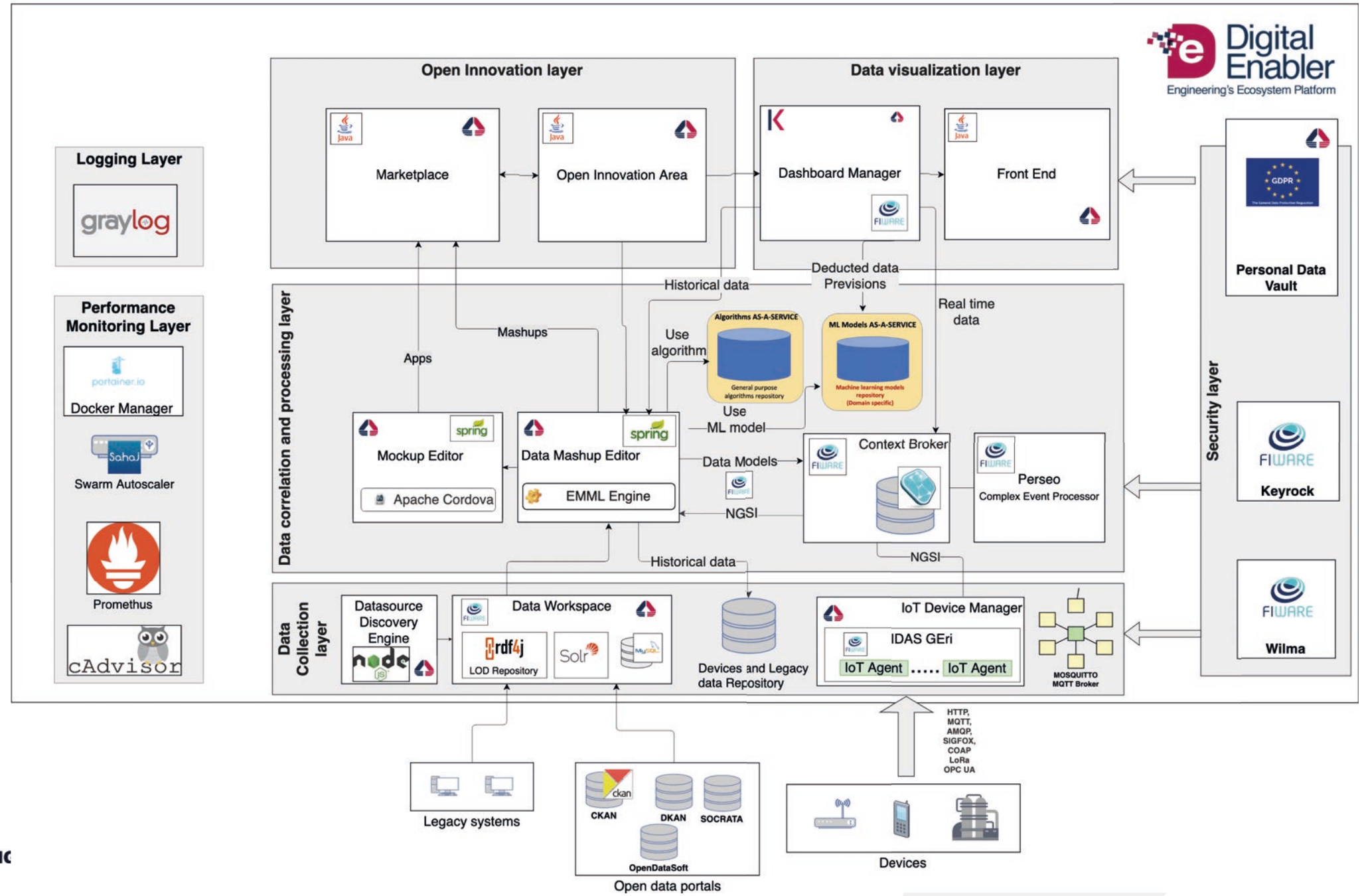
Co-opetition vs. Competition

The majors (US & Asia) are oriented to «technology platform».
So many vertical solution providers.

The Digital Enabler, as Ecosystem Platform, is oriented to «No lock-in effects».

ARCHITECTURE

DIGITAL ENABLER



ENGINEERING

The Digital Enabler all over the world

Digital Enabler for cities

Digital Enabler for industry

Digital Enabler for agriculture

Air quality monitoring, POIs, deduction of sources of pollution and traffic

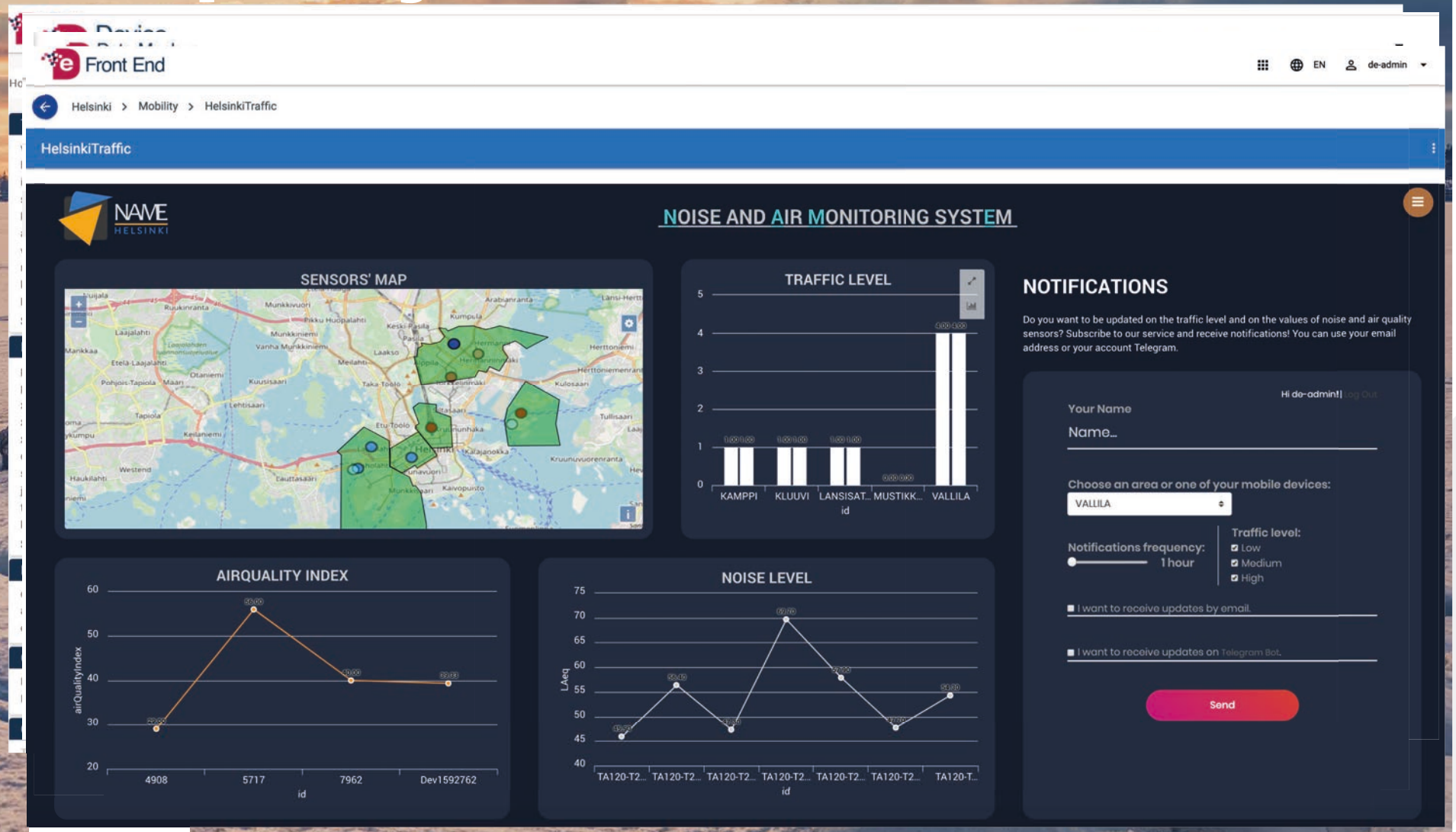
Helsinki (FIN)

SaaS

Clear
Wind: 2.6 km/h East
µg/m³
100
80
60
40
20
0
77.00
53.00
20.30
68.00
28.00
14.20
18.00
10.00
7.00
26.00
19.00
15.00
14.40
9.70
7.00
LACKING
Array Operator
OUTPUT
[inner] Helsinki Weather Data
Inner Process
Lassila
Marttila
Pohjois-Haaga
Pohjois-Pasila
Etelä-Haaga
Tali
Munkkivuori
Pikku Huopalahti
Munkkiniemi
Vanha Munkkiniemi
Meilahti
Laakso
Alppila
Keski-Pasila
Pasila
Hermanni
Hermanninmäki
Torkkelinmäki
Kumpula
Arabianranta
Vanhakaupunki
Viikinranta
Viikinmäki
Verajämäki
Verajälaakso
Patola
Maunula
Pirkkola
Metsälä
Käpylä
Kulosaari
Siltasaari
Kruununhaka
Katajanokka
Kruunuvuo
Taka-Töölö
Etu-Töölö
Kuusisaari
Lehtisaari
Punavuori
Kaivopuisto
Munkkisaari
Suomenlinna
Lauttasaari
Pitäjänmäen yritysalue
Lapinlahti
Ruoholahti
Format

DIGITAL ENABLER

Air quality



KICK-OFF 2019

La Plata (ARG)

ENGINEERING

Centros Culturales

23

Hotels

25

Museos

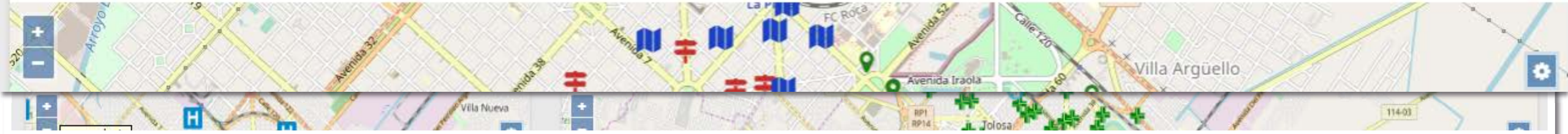
20

Lugares De Turismo

93

NÚMERO DE LUGARES DE TURISMO

PUNTOS DE INTERÉS

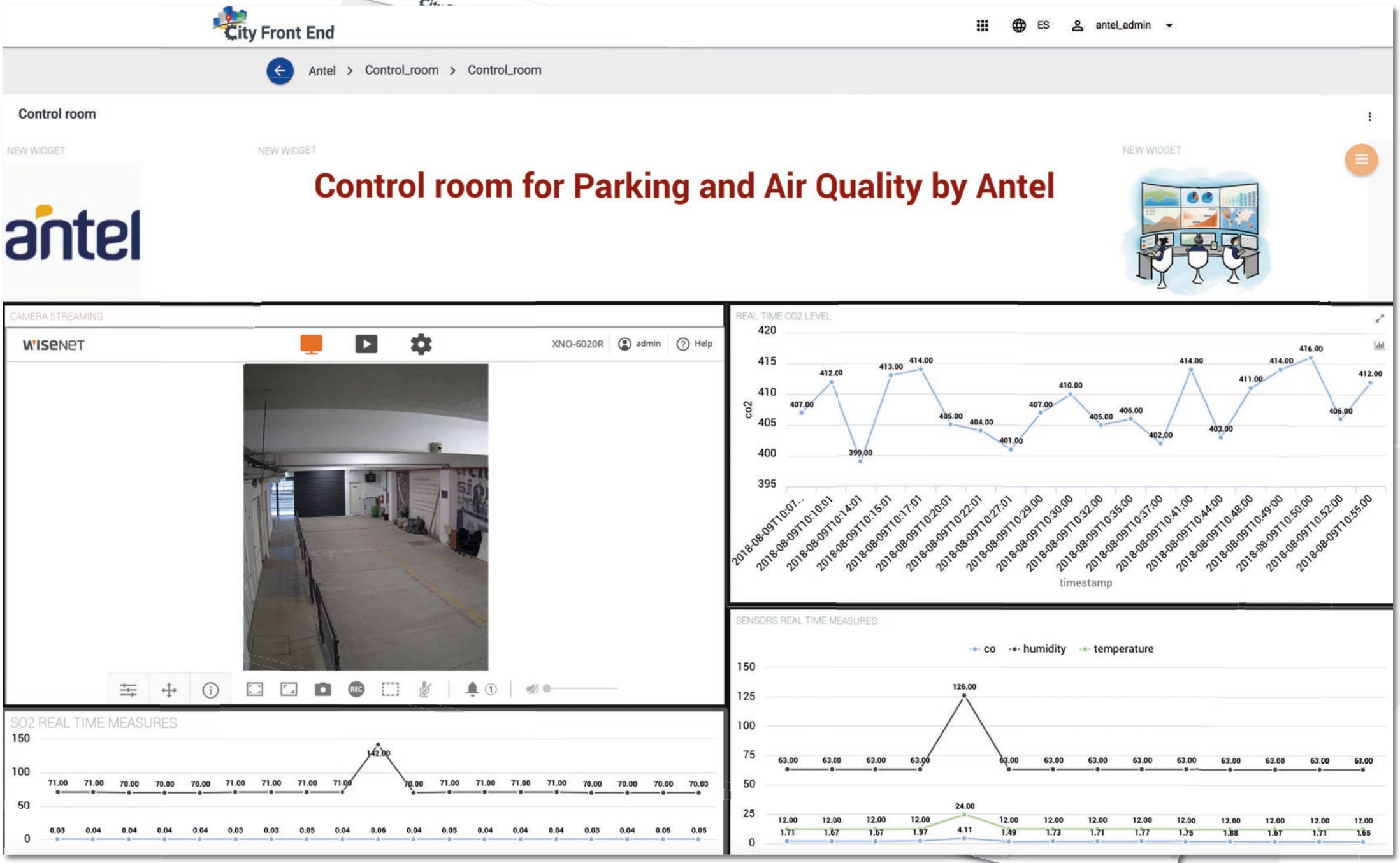


DIGITAL ENABLER

Montevideo (URU)

Monitoring of real sensors installed in the Antel building

Control room for Parking and Air Quality by Antel



Hamburg (GER)

Hamburg (GER)

A sustainable mobility solution and application for the next decades

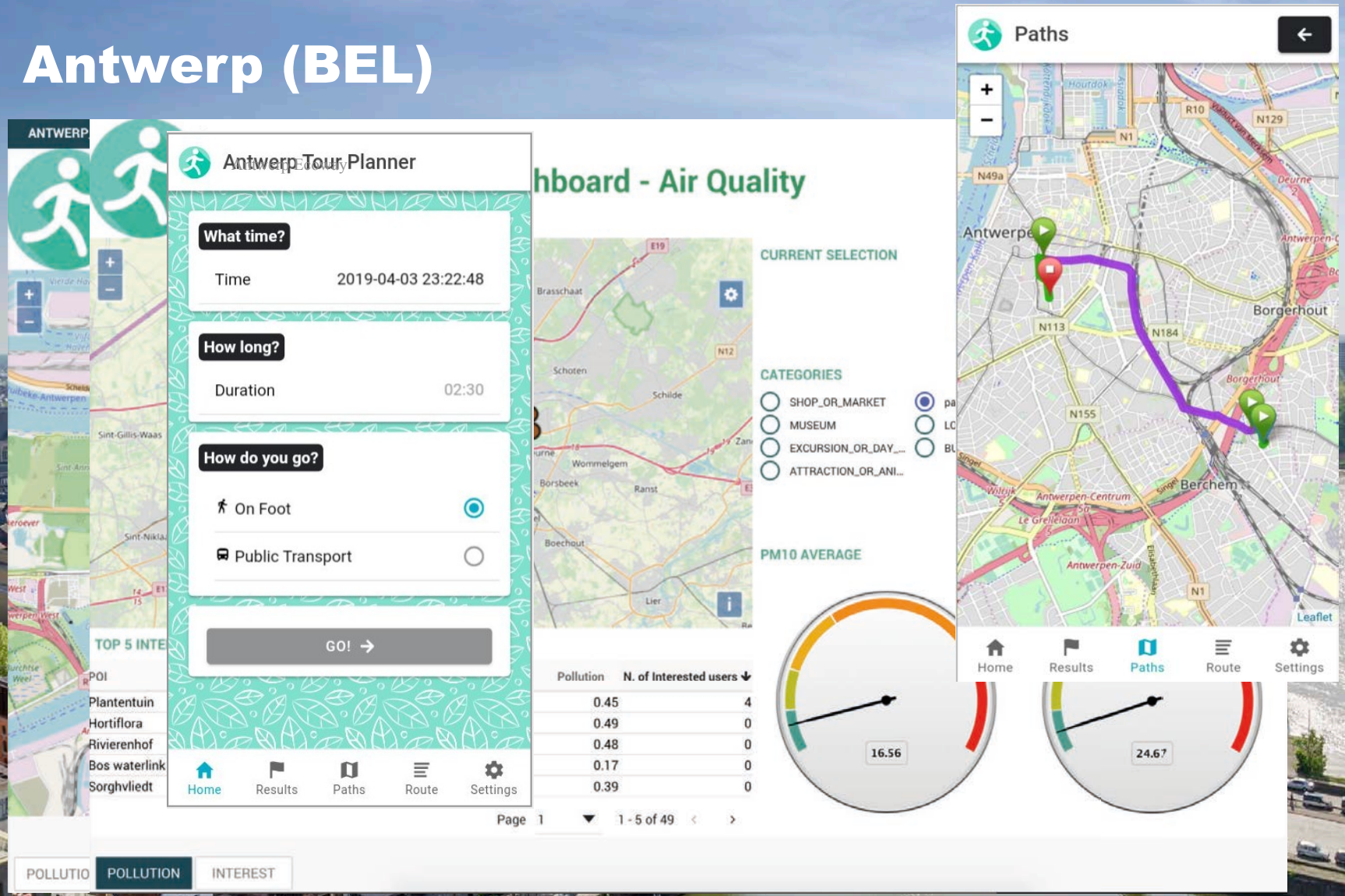
Antwerp (BEL)

Ecoway: suggest bike paths with better air quality

ENGINEERING

DIGITAL ENABLER

Antwerp (BEL)



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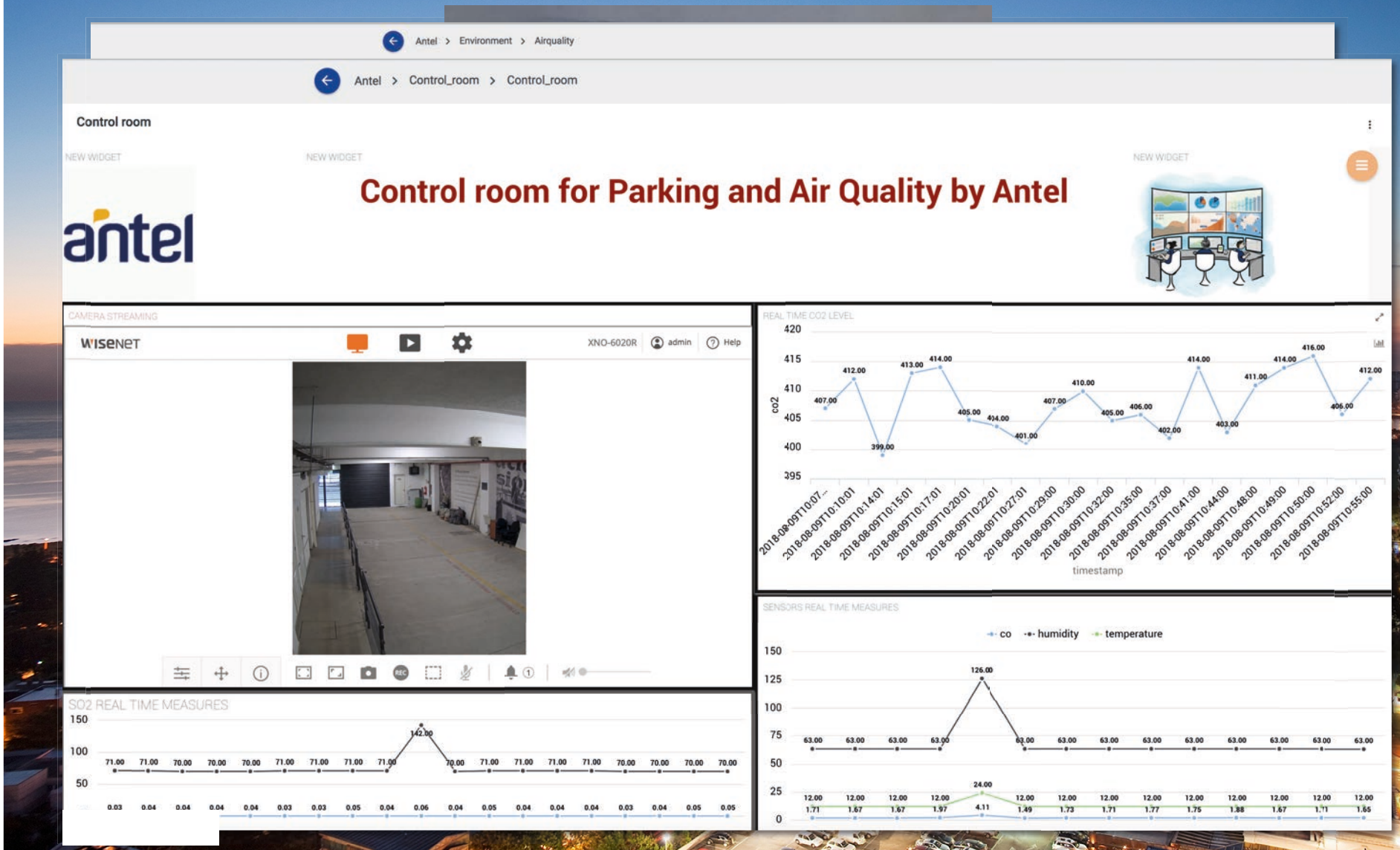


DIGITAL ENABLER

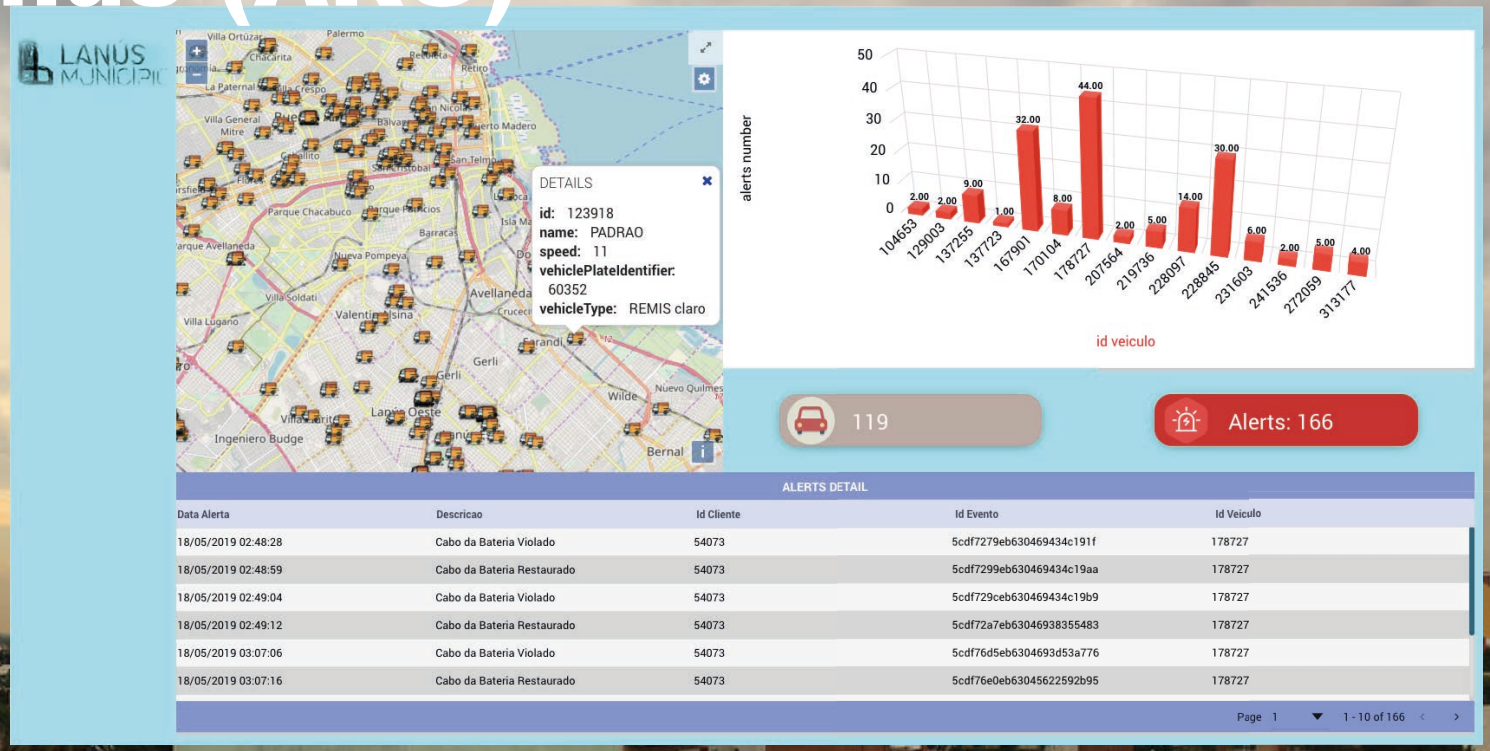
Lanús (ARG)

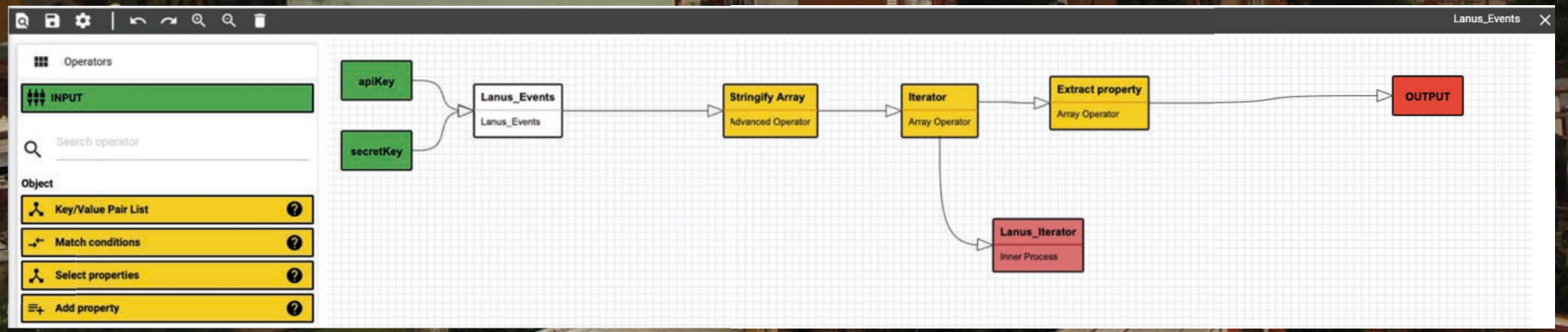
Intelligent Trucks monitoring and alerts management

SaaS

DIGITAL ENABLER

Lanús (ARG)





Grazie dell'attenzione

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gruppo.engineering

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