

# AMdEX

AMdEX - I4trust / september 2023

# Sharing sensitive sensordata

Hayo Schreijer, Dexes



[i4Trust Website](#)

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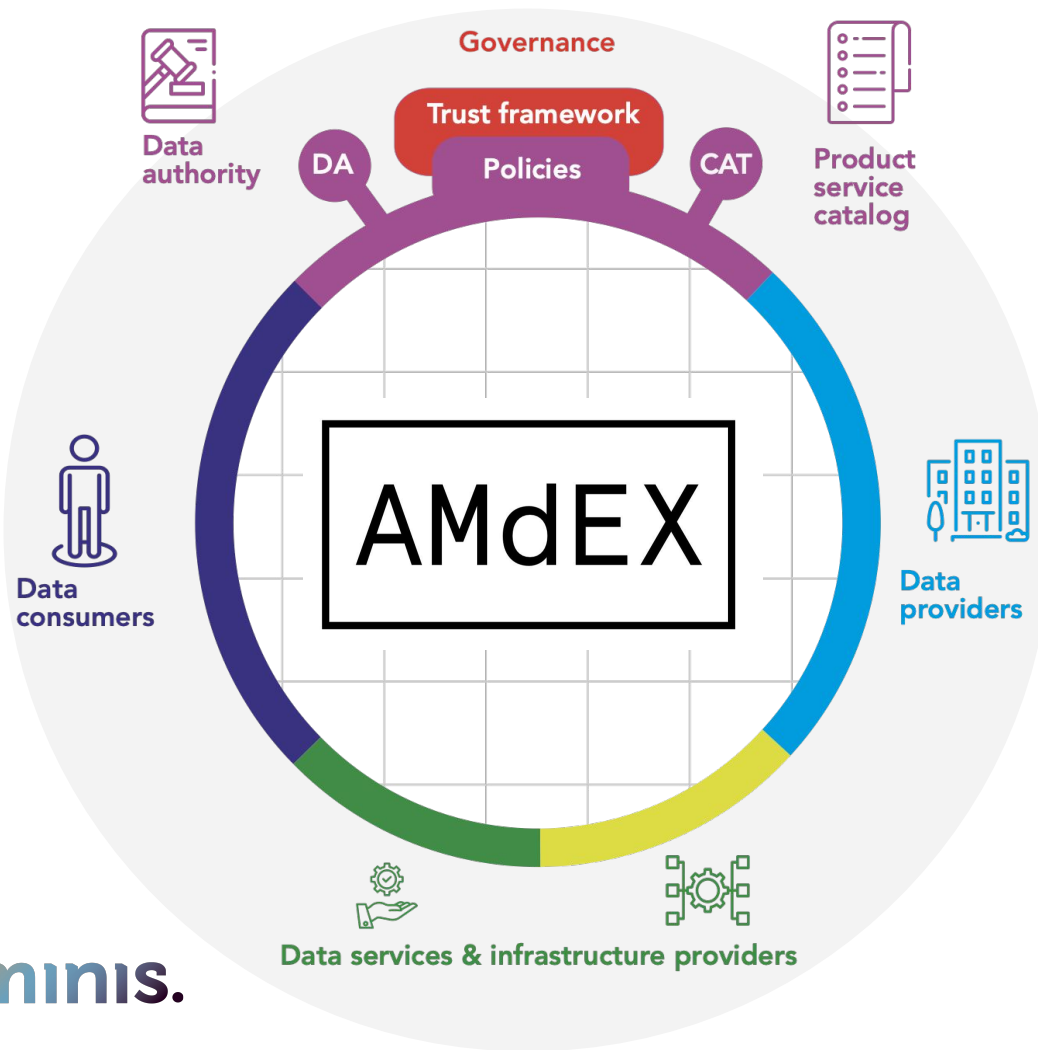


# AMdEX

1. Introductie locatie en use case
2. Ishare
3. Smart building case

Borrel!

Founding partners:



**AMdEX data exchange:**  
Solving the legal & organizational challenges to share data

**Strong points:**  
Policy enforcement  
Fully auditable  
Transparency  
Data notary

**Fieldlab Usecases:**  
Sensitive sensor data  
Smart City data  
Predictive maintenance  
Health research data  
Mobility data





# AMdEX

1. Introductie locatie en use case
2. **Ishare - Gerard Verhoeven**
3. Smart building case

Borrel!

# AMdEX

1. Introductie locatie en use case
2. Ishare
3. **Smart building case**

Borrel!

# Team 1: Esports Campus sensor data

Facility Apps: data owner / provider

KPN: data provider / DSH

Luminis: data provider

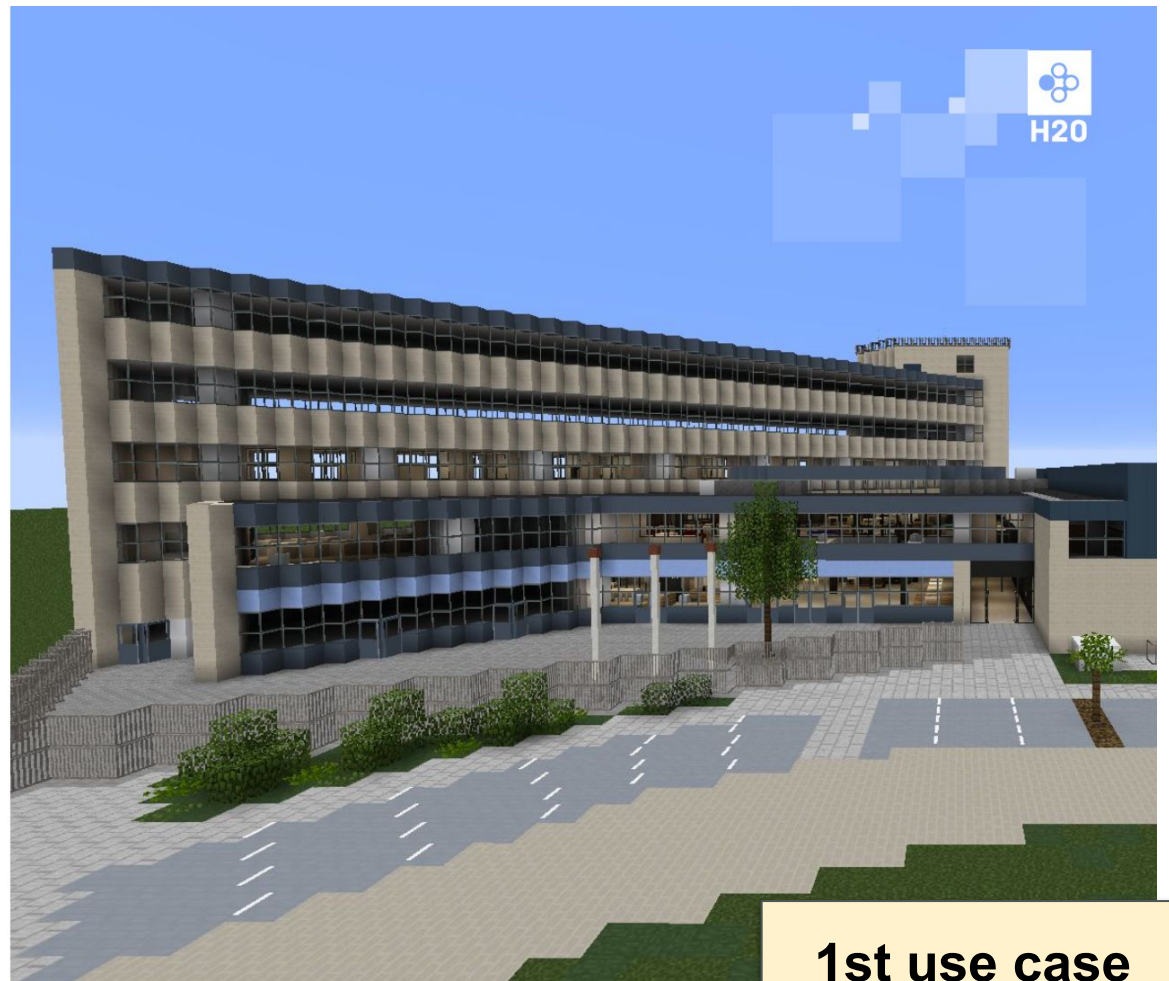
Facility Apps: data consumer

Dexes/Textinfo: dataspace with dataset

## H2O ESPORTS CAMPUS AMSTERDAM & RABO ESPORTS STADIUM

THE ONLY ESPORTS TECH CAMPUS IN EUROPE

- \* 12.000 m<sup>2</sup> esports tech academy with 750 m<sup>2</sup> community area, more than 50 companies/startups and esports/tech education
- \* Rabo Esports Stadium Amsterdam, the biggest permanent esports stadium in Europe (1200 m<sup>2</sup>, 2000 visitors)
- \* A Virtual Reality Gaming, Sports & Ehealth Centre



**1st use case**



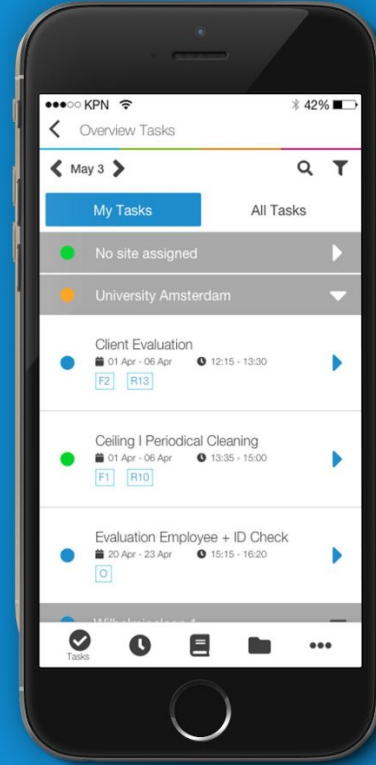
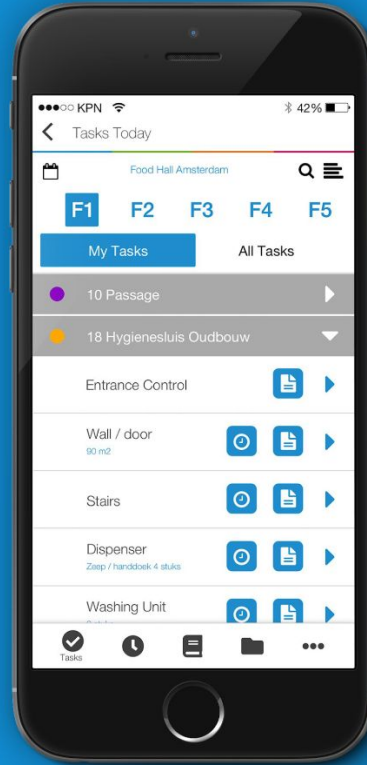
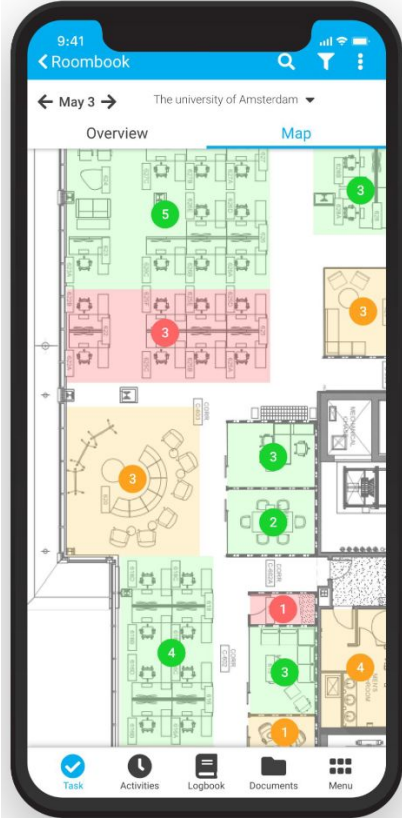
# Smart Washroom

- ✓ People counter & occupancy sign
- ✓ Automatic notification of new tasks
- ✓ All data in one dashboard
- ✓ Internet of Things
- ✓ Usage tracking data
- ✓ Sensor activated dispensers
- ✓ Direct Return on Investment



# IoT

# Tasks on floors, spaces, rooms



## Team 2: Marineterrein

Textinfo / Dexes: datasets in dataspace  
Life Electronics: data provider / **FiWare/Ishare**  
Ontola.io: data consumer / **Atomic PodTapp** /  
UvA: policy building for AMdEX

# Sensors in public spaces in Amsterdam

2nd use case



## Swimming & Sport

- water quality (BACTcontol)
- water temperature (Celcius)
- UV index ,
- air temperature,
- air quality



## Busyness

- Picnic
- Boardwalk,
- Terraces,
- Fitness Garden,
- Total Occupancy on MT
- <https://www.mt-dashboard.nl>



## Biodiversity

- Light Meter,
- Air Temperature,
- Evaporation rate,
- Moisture Level,
- pH balance, etc.



AMdEX



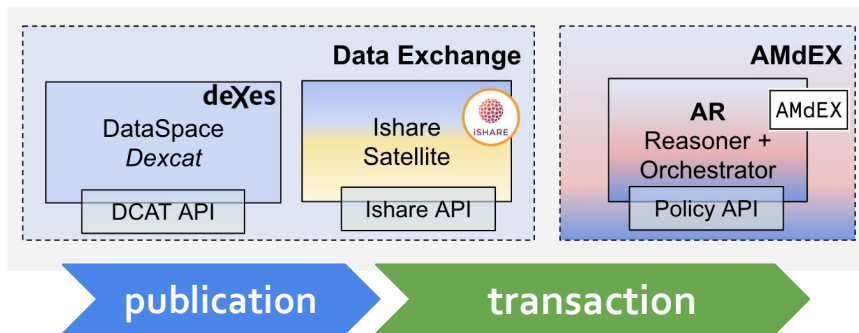
# SUPER INSIGHTS

predicted count: **4611**

# AMdEX Connector - value in scalability & trust

Standard components can be used with AMdEX:

- CKAN
- FiWare
- Ishare
- GAIA-X
- IDSA



EU Standards applied:

- DCAT
- XACML
- OAuth
- ODRL / eFlint / policy languages
- NGSI-LD

# AMdEX

AMdEX Community session 11th of May 2023

# Questions?

Hayo Schreijer, Dexes



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