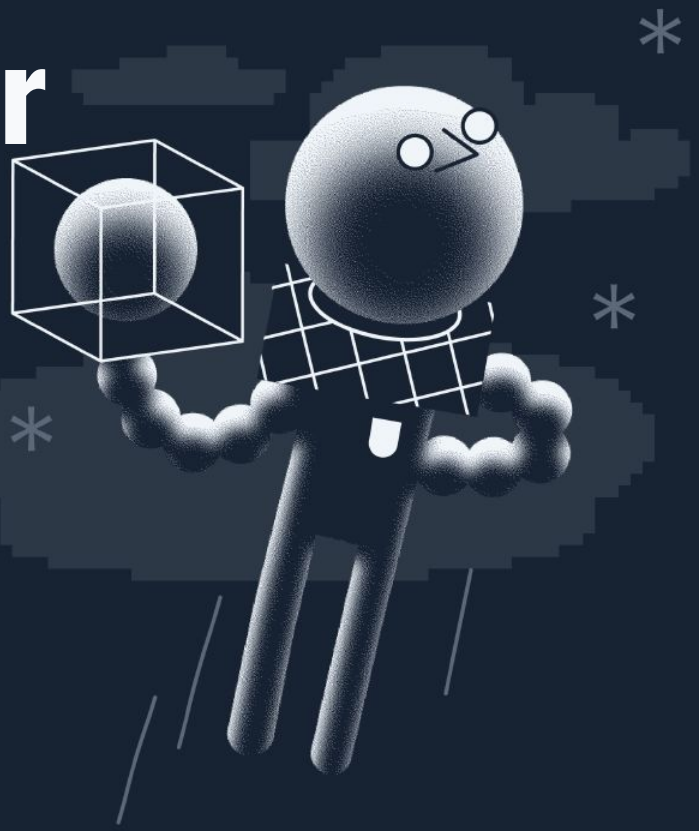
3fs

Your partner

in secure software engineering



Andraž Logar
CEO

VERSION 2
07.07.2025
STOCKHOLM, HQ

WHO ARE WE?

The 3fs background

Founded in 2005, the founders were a group of “techies”

We design, build and operate digital products for Fortune 500 companies for 20 years.

See ourselves as leaders in secure software engineering.

In numbers

45+
gray hair people

4
countries

20
years old

40
customers

15
years longest client relationship

8
years longest devops project

We do secure software engineering, combining **startup innovation and agility** with **telco quality and compliance.**

GETINGE

ERICSSON

REPUBLIC OF SLOVENIA
MINISTRY OF DEFENCE

LOCKED SHIELDS

EDMUND

TU/e EINDHOVEN UNIVERSITY OF TECHNOLOGY

REPUBLIC OF SLOVENIA SUPREME COURT

CCDCOE
NATO COOPERATIVE CYBER DEFENCE CENTRE OF EXCELLENCE

Lempea

Polarium

aeris

INTESA SANPAOLO

NLB

RAIN

DEAKIN UNIVERSITY

URBAN MIND

Our connected devices history

3fs supported connecting devices for:

- Ericsson (hundreds of millions of connected devices)
- Getinge (connecting medical devices)
- Polarium (connecting batteries)
- Rain (connecting cell towers for mobile operators)
- ImagineCare (connecting medical devices)

Our connected smart city history

3fs engaged with:

- Rio de Janeiro (security)
- Barcelona (environment)
- Montreal (environment)
- Singapore (digital transformation)

- Kranj (Smart Mlaka Pilot)
- Kranj and Pula (Data spaces)

Why UrbanMind?

State of the art technical challenge

- Data spaces
- Data act
- Secure by design
- Multi Tenant

- Financials, Time and Support.

What is Data Space?

Framework that supports data sharing within a data ecosystem.

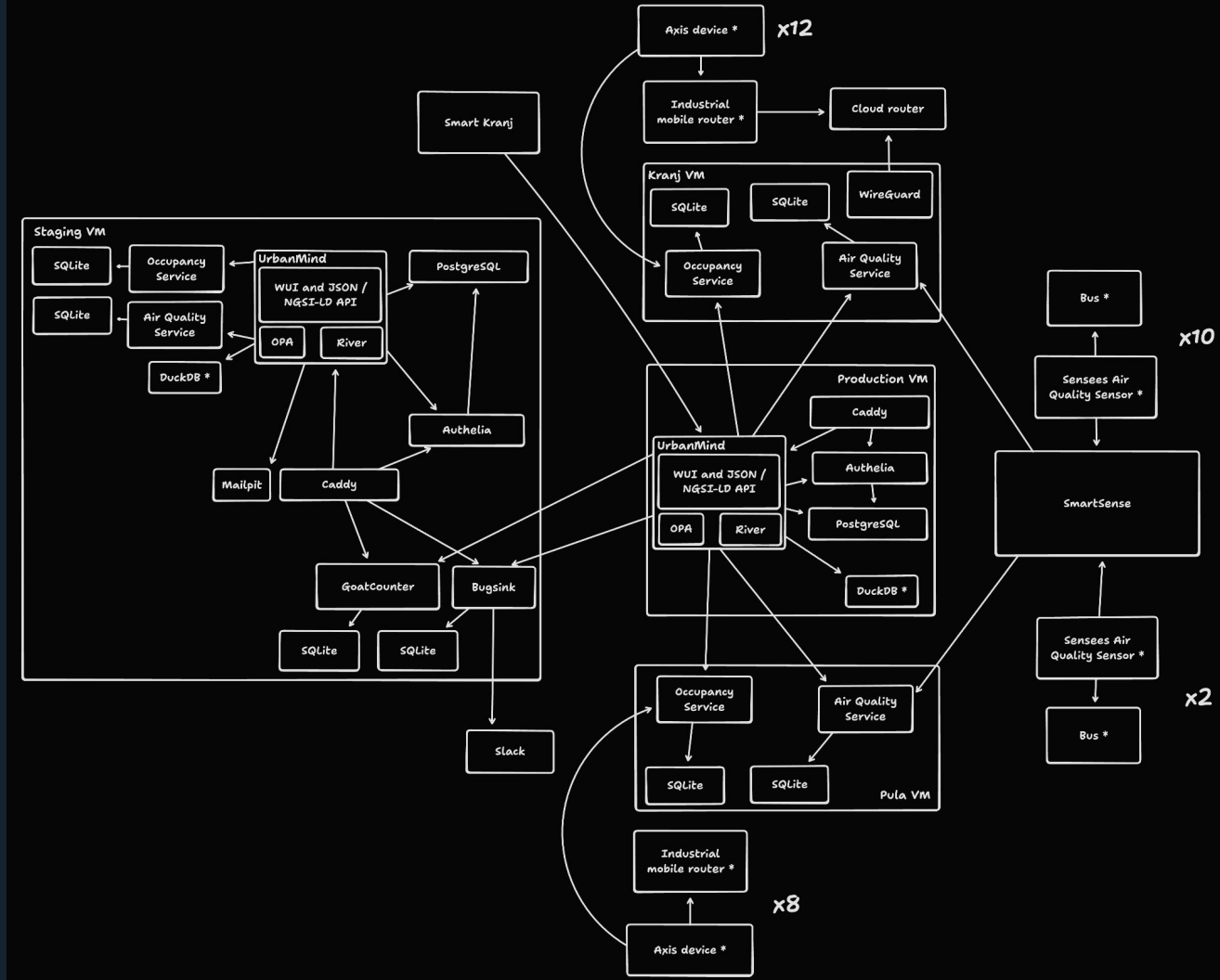
It provides a clear structure for participants to share, trade, and collaborate on data assets in a way that is compliant with relevant laws and regulations and ensures fair treatment for all involved.

Core part of European Strategy for Data.

Ok, so what is UrbanMind?

Secure and Data space compliant Smart city platform.

Developed for the world with early inventor municipalities Pula and Kranj.


Axis device *
x12
Industrial mobile router *
Cloud router
Smart Kranj
Kranj VM
SQLite
SQLite
WireGuard
Occupancy Service
Air Quality Service
Staging VM
SQLite
Occupancy Service
UrbanMind
WUI and JSON / NGSI-LD API
PostgreSQL
SQLite
Air Quality Service
OPA
River
DuckDB *
Authelia
Mailpit
Caddy
Production VM
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Authelia
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PostgreSQL
DuckDB *
Bus *
x10
Sensees Air Quality Sensor *
SmartSense
GoatCounter
Bugsink
SQLite
SQLite
Slack
Occupancy Service
Air Quality Service
SQLite
SQLite
Pula VM
Sensees Air Quality Sensor *
x2
Bus *
Industrial mobile router *
x8
Axis device *

Vocabulary

- Services: Enable secure data pulling from external sources into the data space.
- Resources: Individual data assets or entities shared in UrbanMind.
- Products: Package data resources into reusable, shareable data offerings.
- Use Cases: Projects that select data from various resources to build reactive visualizations.
- Integration: Allows external systems to connect and exchange data with UrbanMind.
- Distribution: Resource building blocks; datasets defining how to pull data from an integration.
- Widgets: Visual components for displaying data on dashboards.
- Connectors: Enable secure data exchange between participant infrastructure and UrbanMind.
- Contracts: Specify rules and conditions for data access and usage.
- Transactions: Track and control data exchanges between participants.

Perfect use case for UrbanMind

Scalable platform:

- vertically: integration of new devices/data sets, APIs for any kind of over-the-top applications
- horizontally: adding new use cases, new products, widgets..

Secure by design.

*We want to connect **hundreds** of municipalities and **thousands** of data sources for **millions** of end users.*

WHAT NOW?

3fs

THANK YOU

Andraž Logar
andraz@3fs.si