OT / IoT platform Tango as a new tool for smart infrastructure management

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Jure Bartol
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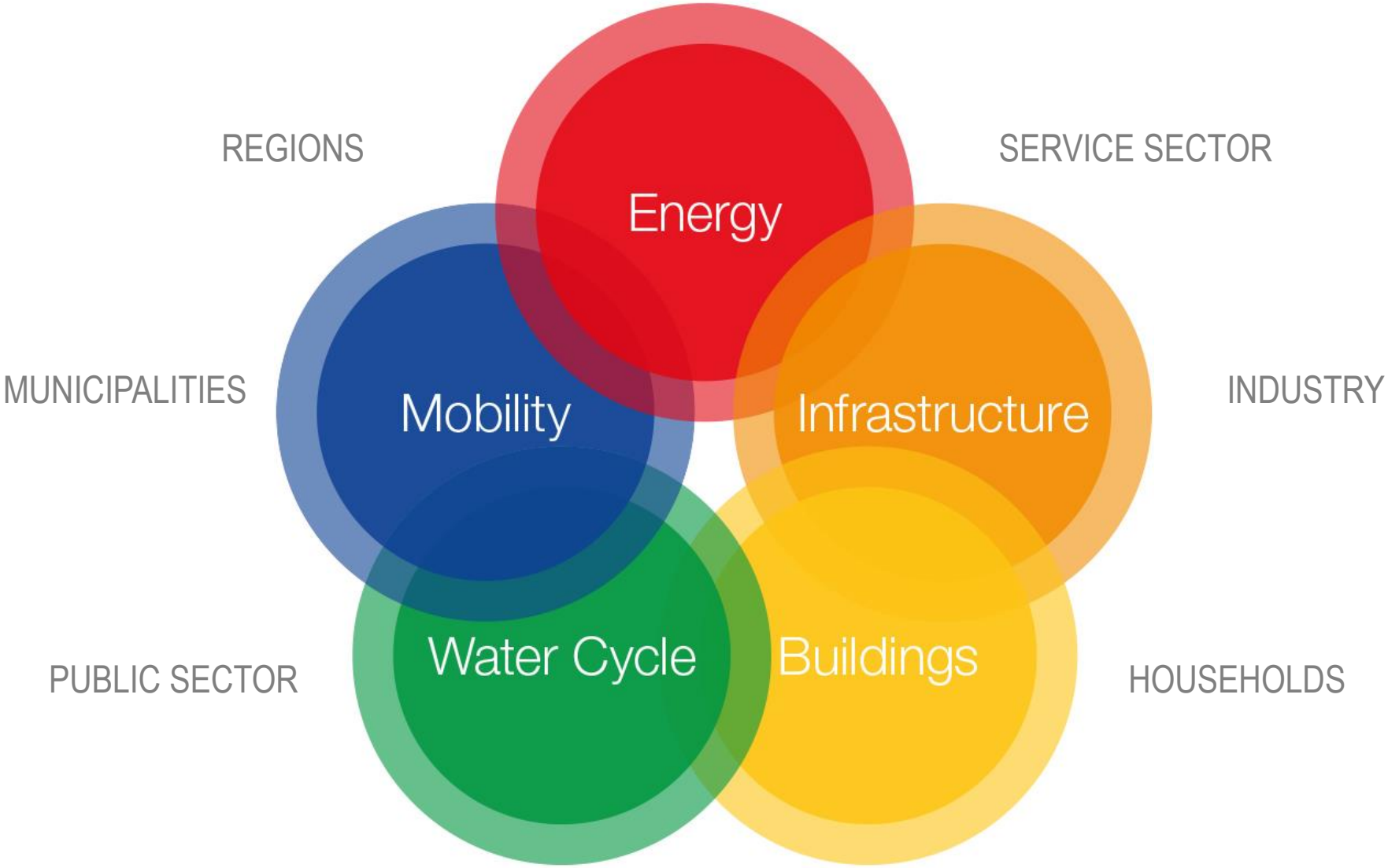
Energy for life

Comprehensive and integrated solution



PETROL PROJECTS THAT DRIVE SMART CITIES

Our smart solutions are implemented in 80 cities in the region.

- Bled, Celje, Črnomelj, Hoče - Slivnica, Hrastnik, Hrušica, Ivančna Gorica, Jesenice, Kamnik, Kidričevo, Koper, Kranj, Kranjska Gora, Ljubljana, Maribor, Metlika, Mojstrana, Murska Sobota, Oplotnica, Piran, Postojna, Ravne na Koroškem, Ribnica, Sladki Vrh, Trbovlje, Velenje
- Idrija, Kranj, Ljubljana, Maribor, Murska Sobota, Novo mesto, Postojna, Ptuj, Trbovlje, Velenje
- Bled, Bohinjska Bistrica, Brda – Dobrovo, Celje, Cerkno, Črnomelj, Destrnik, Hrastnik, Hrvatini, Jesenice, Kamnik, Kidričevo, Kojsko, Koper, Košana, Kranj, Kranjska gora, Krško, Ljubljana, Ljutomer, Majšperk, Maribor, Medvode, Metlika, Novo mesto, Piran, Poljčane, Postojna, Sečovlje, Slovenska Bistrica, Sv. Peter, Sv. Trojica, Šmarje pri Jelšah, Trnovska vas
- Ankaran, Bled, Brda – Dobrovo, Črnomelj, Gorje, Hoče - Slivnica, Hrastnik, Ivančna Gorica, Koper, Litija, Mengeš, Miren - Kostanjevica, Piran, Poljčane, Postojna, Radlje ob Dravi

Legend:

- Smart district heating systems
- Smart water supply systems
- Smart buildings
- Smart public lighting

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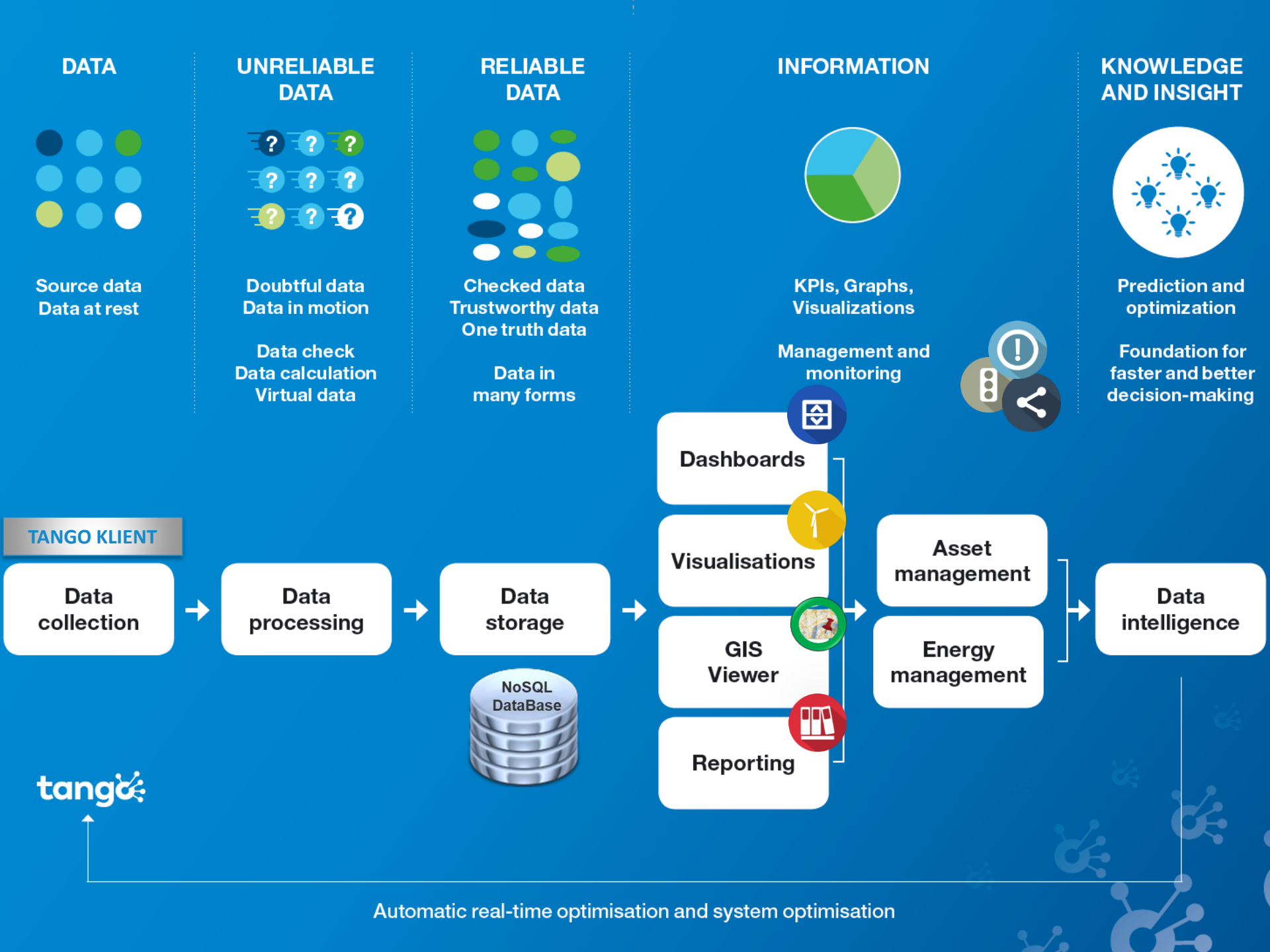
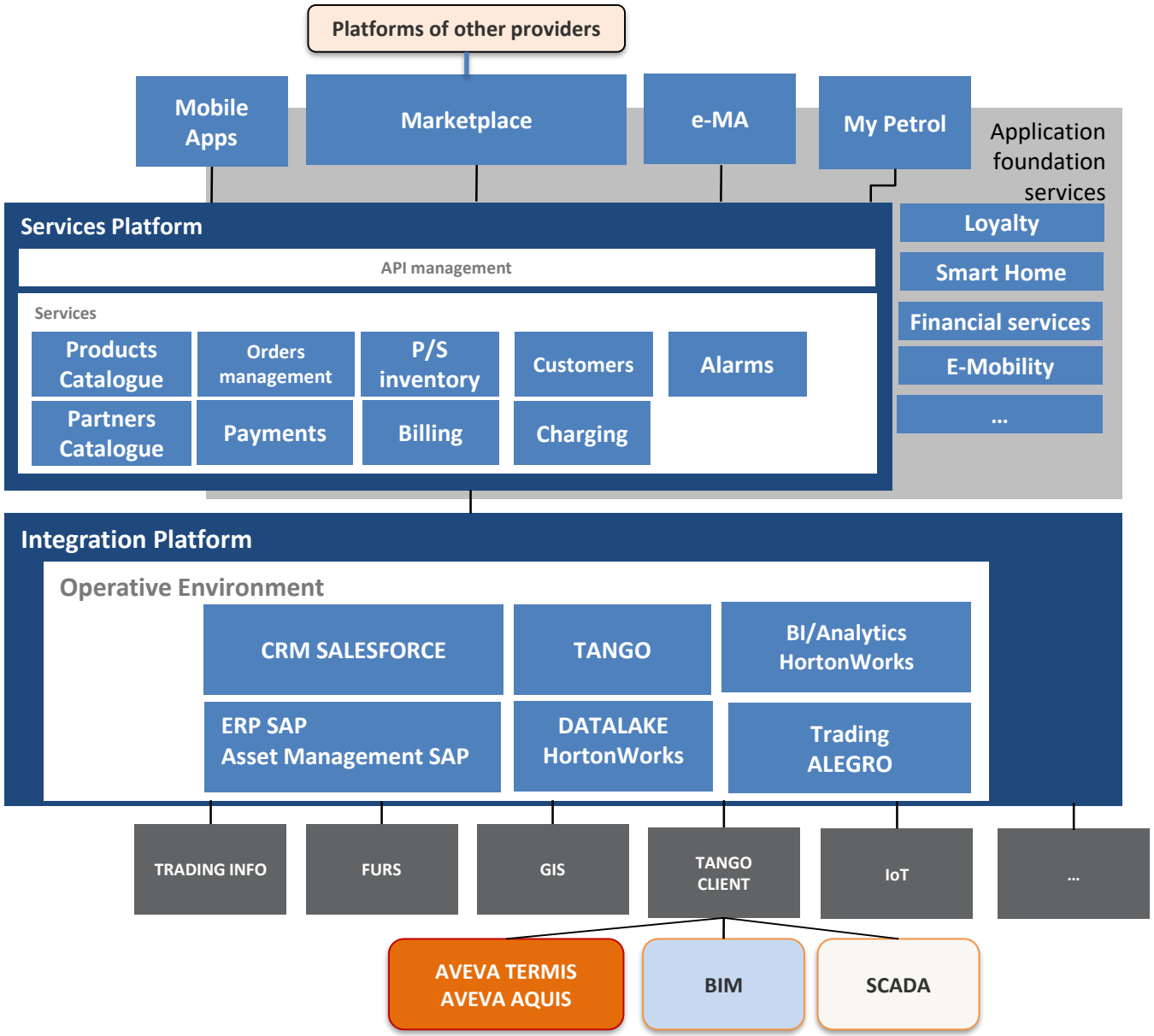
Energy for life

tango


DATA
UNRELIABLE DATA
RELIABLE DATA
INFORMATION
KNOWLEDGE AND INSIGHT
Source data
Data at rest
Doubtful data
Data in motion
Data check
Data calculation
Virtual data
Checked data
Trustworthy data
One truth data
Data in many forms
KPIs, Graphs, Visualizations
Management and monitoring
Prediction and optimization
Foundation for faster and better decision-making
TANGO KLIENT
Data collection
Data processing
Data storage
NoSQL DataBase
Dashboards
Visualisations
GIS Viewer
Reporting
Asset management
Energy management
Data intelligence
tango
Automatic real-time optimisation and system optimisation

Vertical and Horizontal Integration



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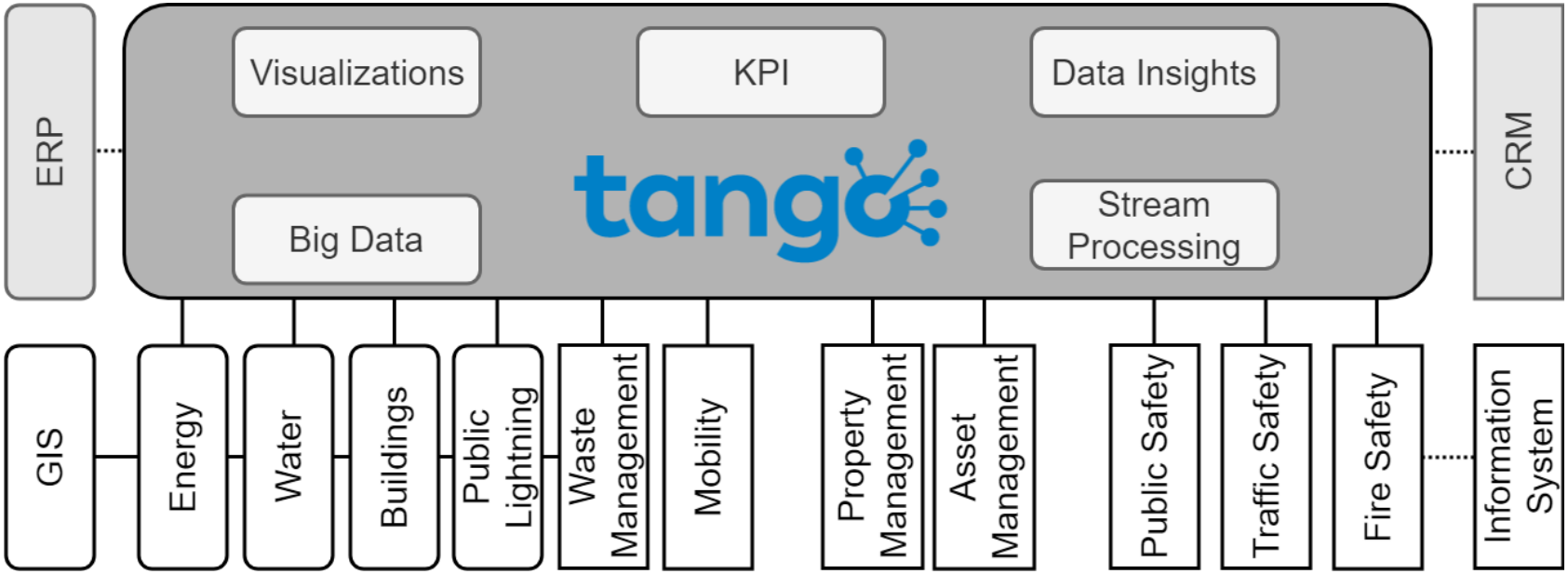
Integration Platform



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Live Demo

Tango Overview

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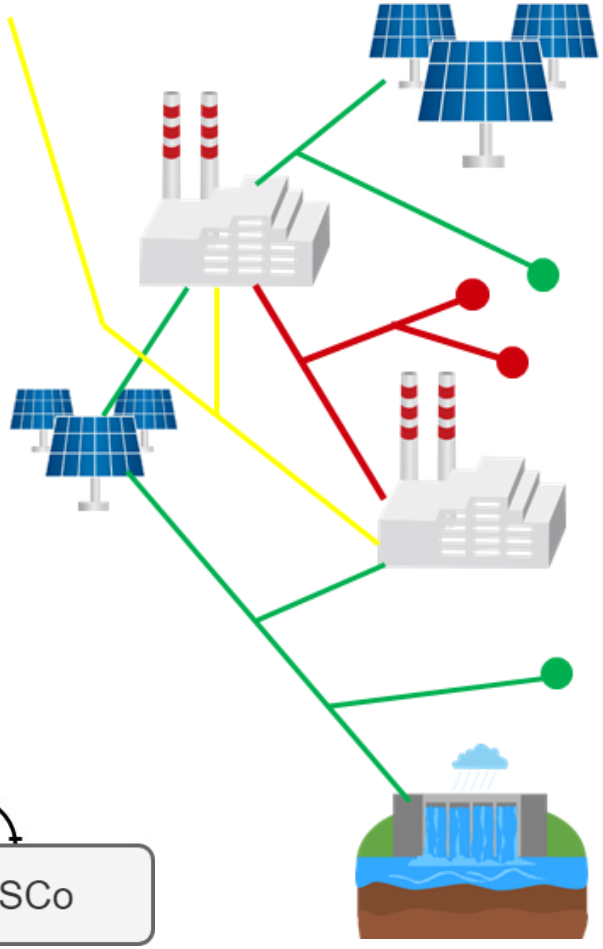
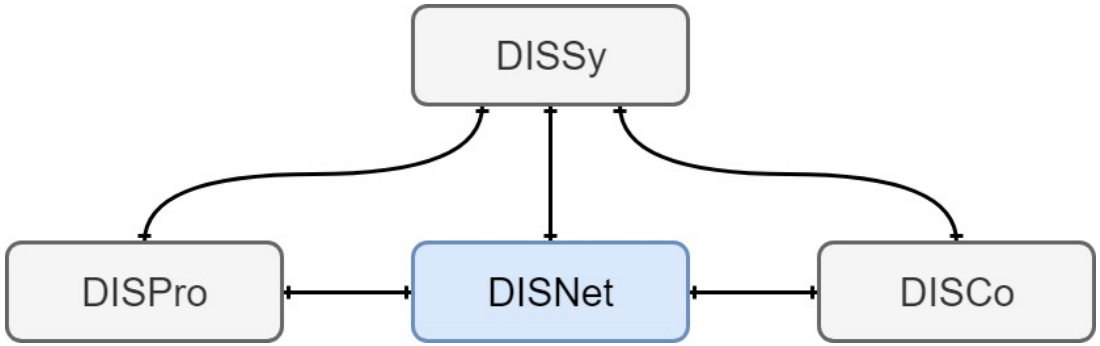
Energija za življenje

The Future Energy System

- Decentralized
- Interconnected
- Market Orientated
- Digital





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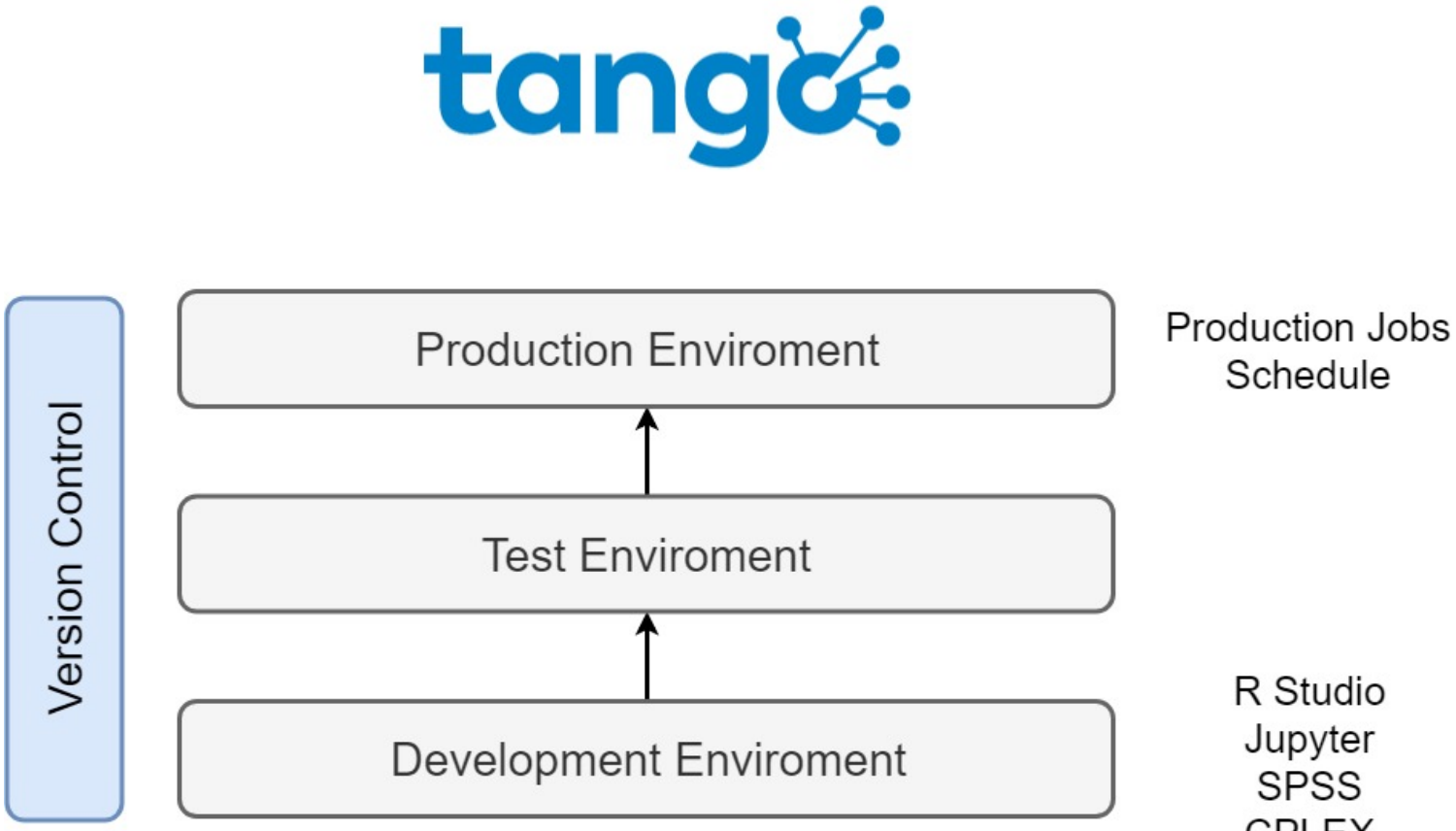
Three Enviroments



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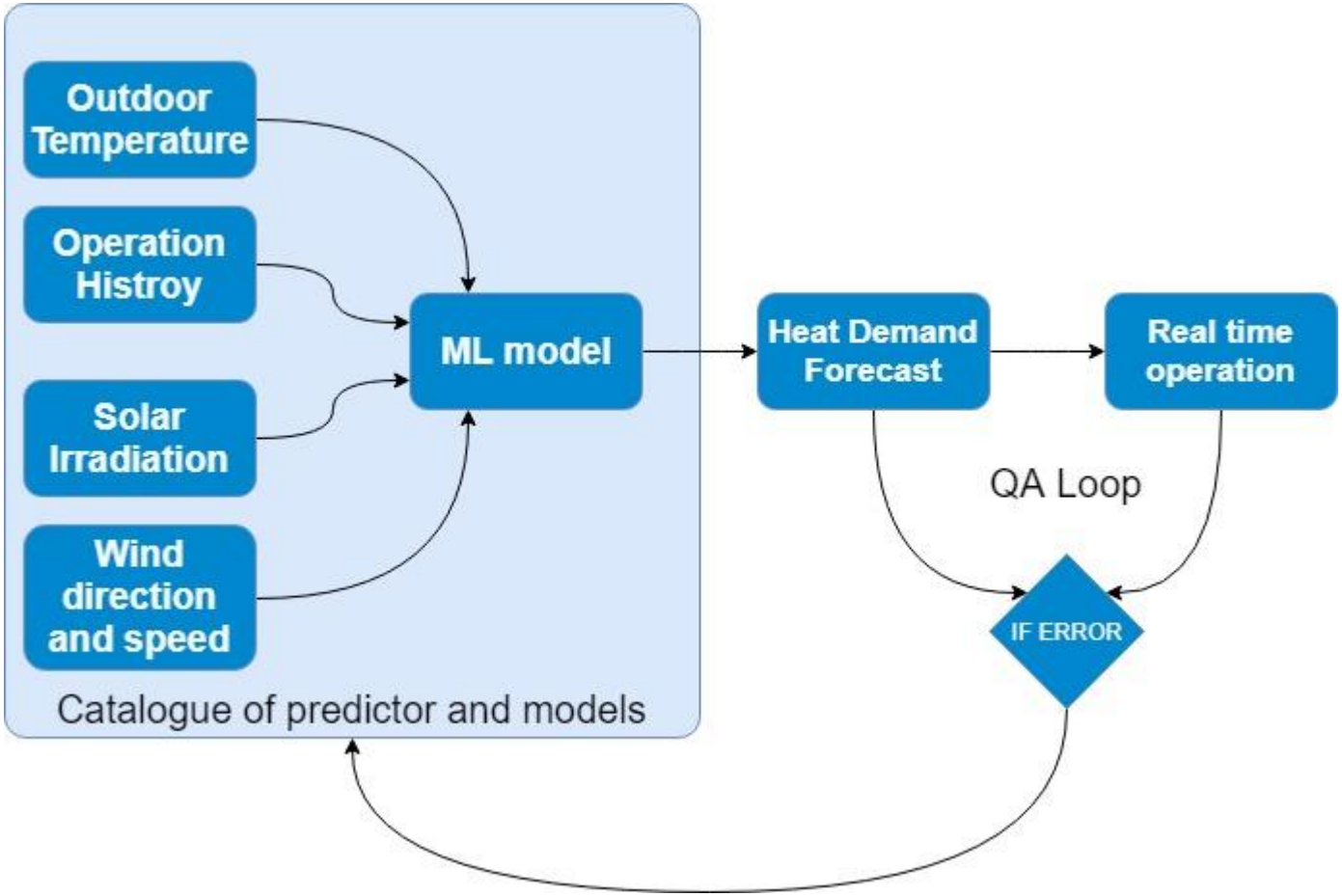
Digital Intelligent Smart Production - DISPro



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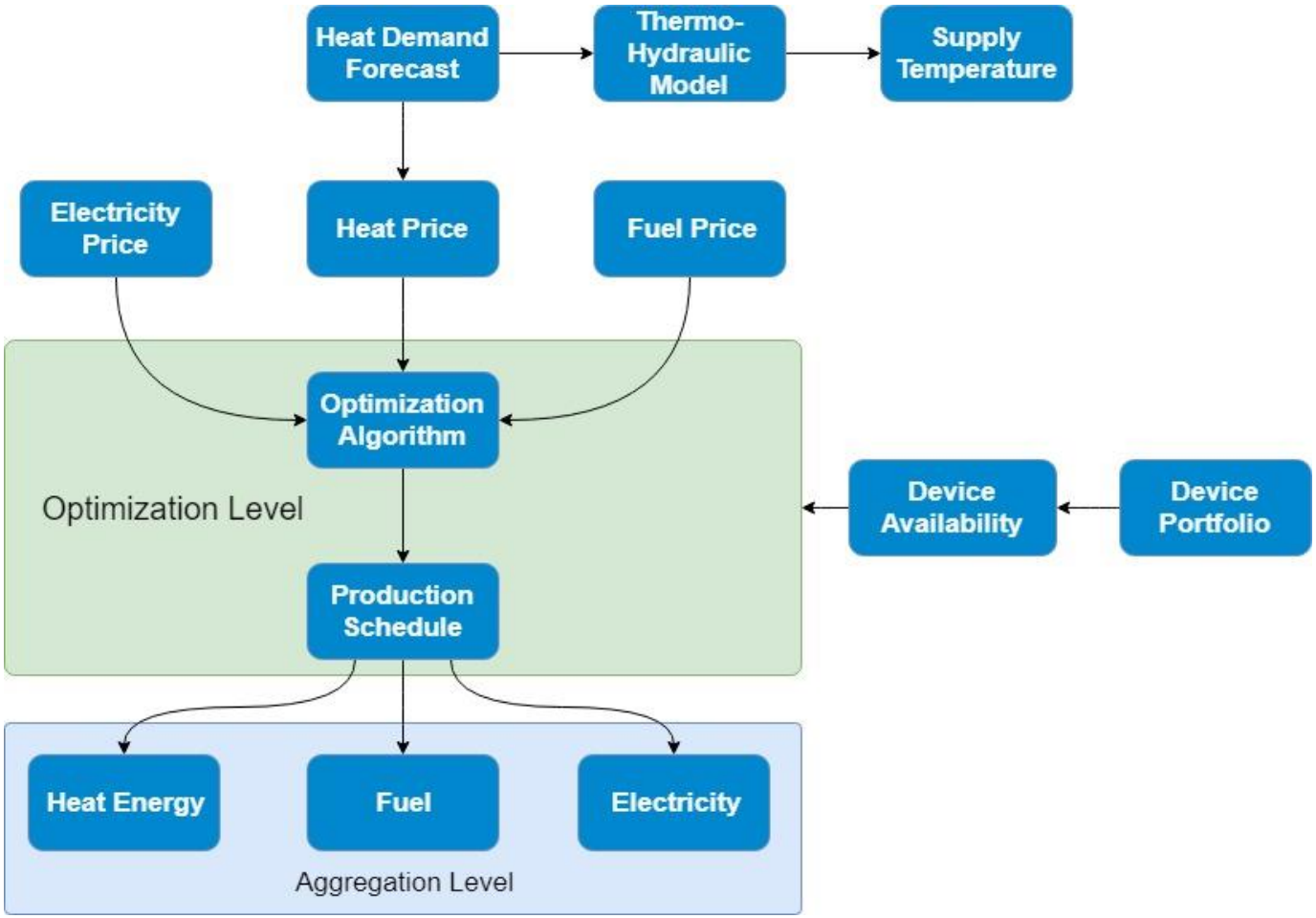
Digital Intelligent Smart Production - DISPro



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Live Demo

DH Utility dashboards

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