AVEVAWORLD
PARIS

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OCTOBER 2024

Revolutionizing Water and Wastewater

Next-Gen Digitalization

Presented by Roslagsvatten, Roima Intelligence, and Schneider Electric

AVEVA

Roslagsvatten

ROIMA

Life Is On | Schneider Electric

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”Building an open system that is ready for future challenges”

- **270** pumping stations
- **17** pressure surge
- **2 310 km** of pipeline
- **25** treatment plants
- Total km **5 938 km**
- Meter filmed pipe **74 km**
- Residual waste collected **9 484 ton**
- Number of emptying **634 412**

Water and Wastewater Management | SWEDEN

Roslagsvatten's vision: Leading with open, time-saving and future-resilient solutions

Vision

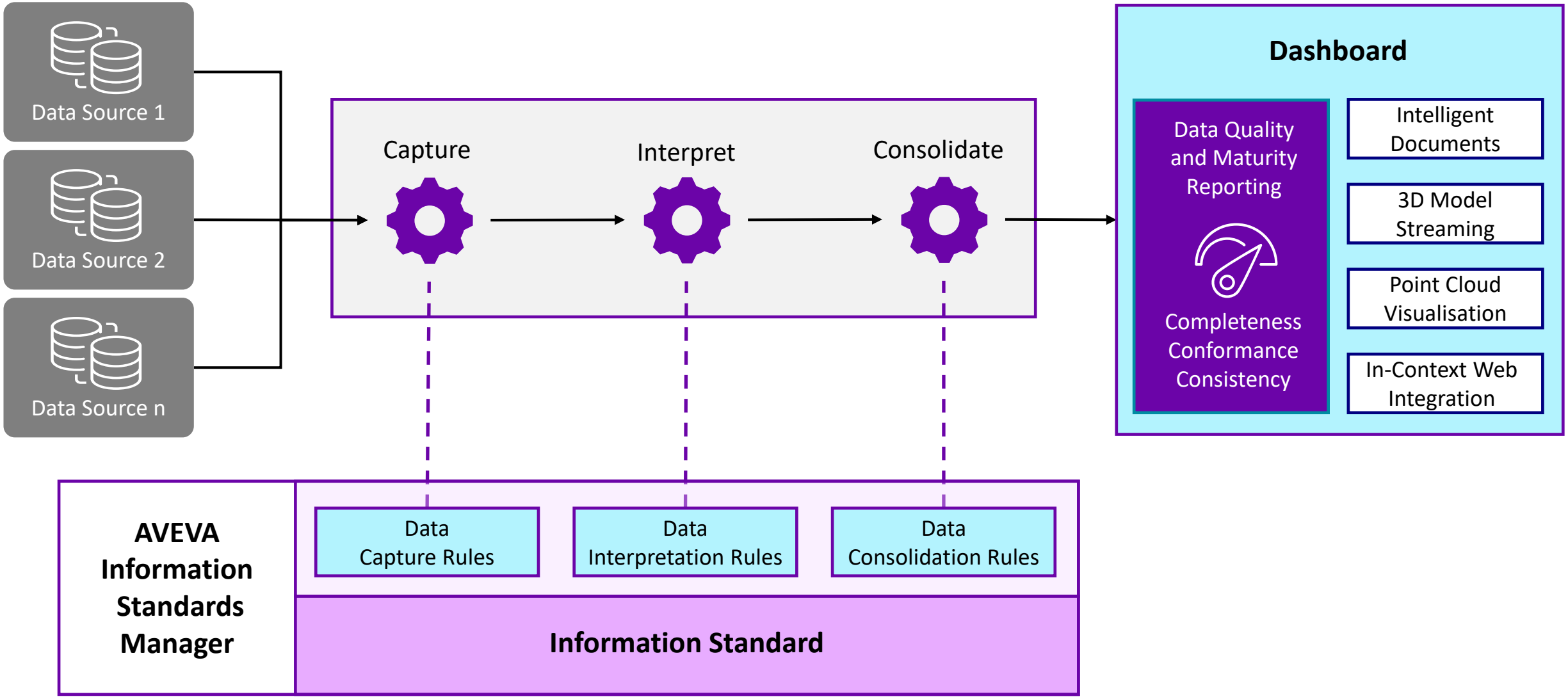
- Be among the world's best in wastewater, waste, and freshwater management
- One new unified OT solution layer
- Information needs to be accessible when we need it
- Secured information and own our data
- Valid and trustworthy information about our assets
- Avoid custom solutions and vendor lock-in, stay future-ready

Challenge

- Build a long-term, open solution
- Create a layered system with an IT/OT security focus
- Work with open standards and tools
- Identify the best practices
- Find solutions that are "good enough"
- Shift employee and supplier mindsets to embrace our vision

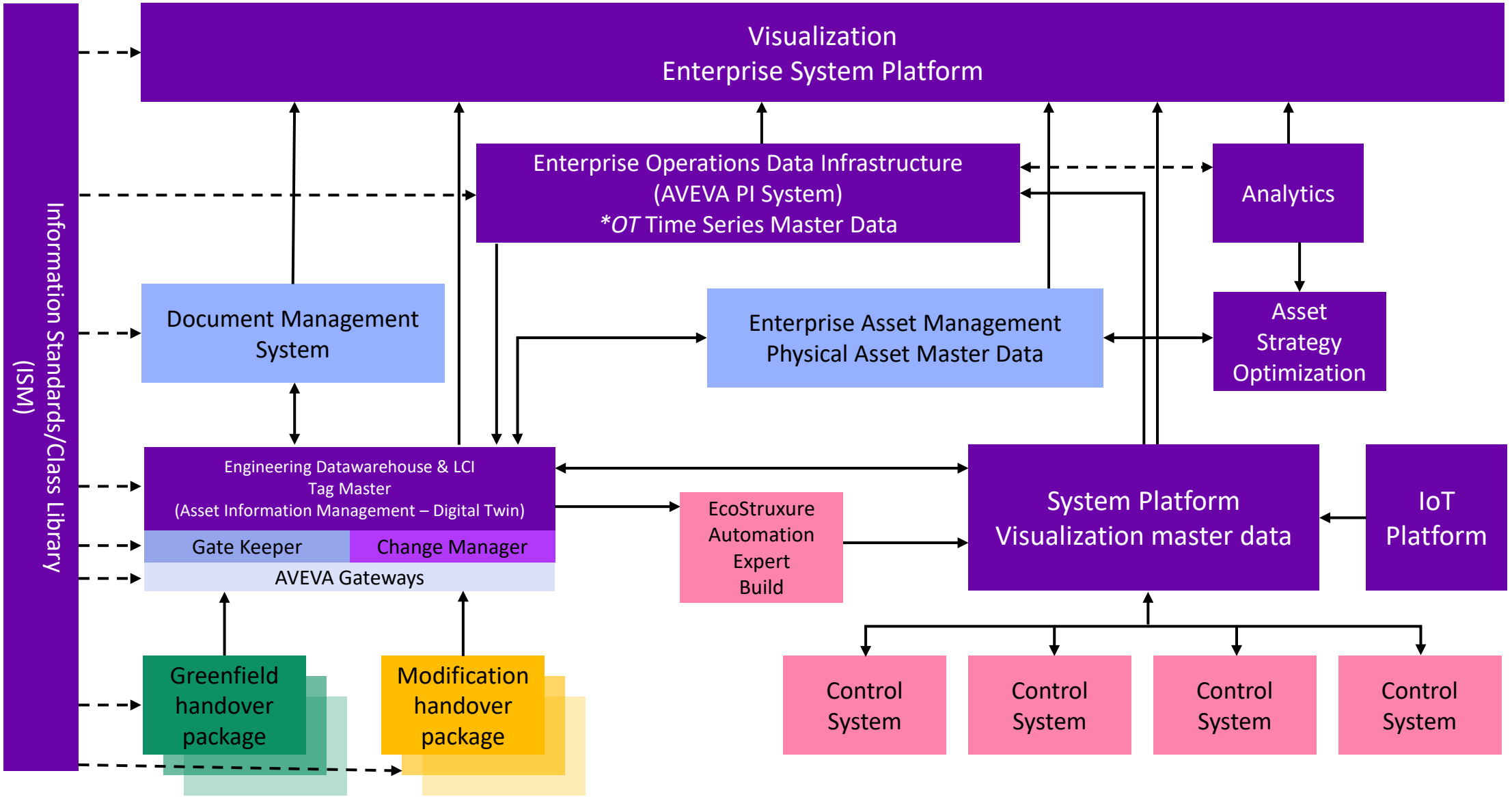
AVEVA Asset Information Management

Roslagsvatten



Reference Architecture with tools that we use

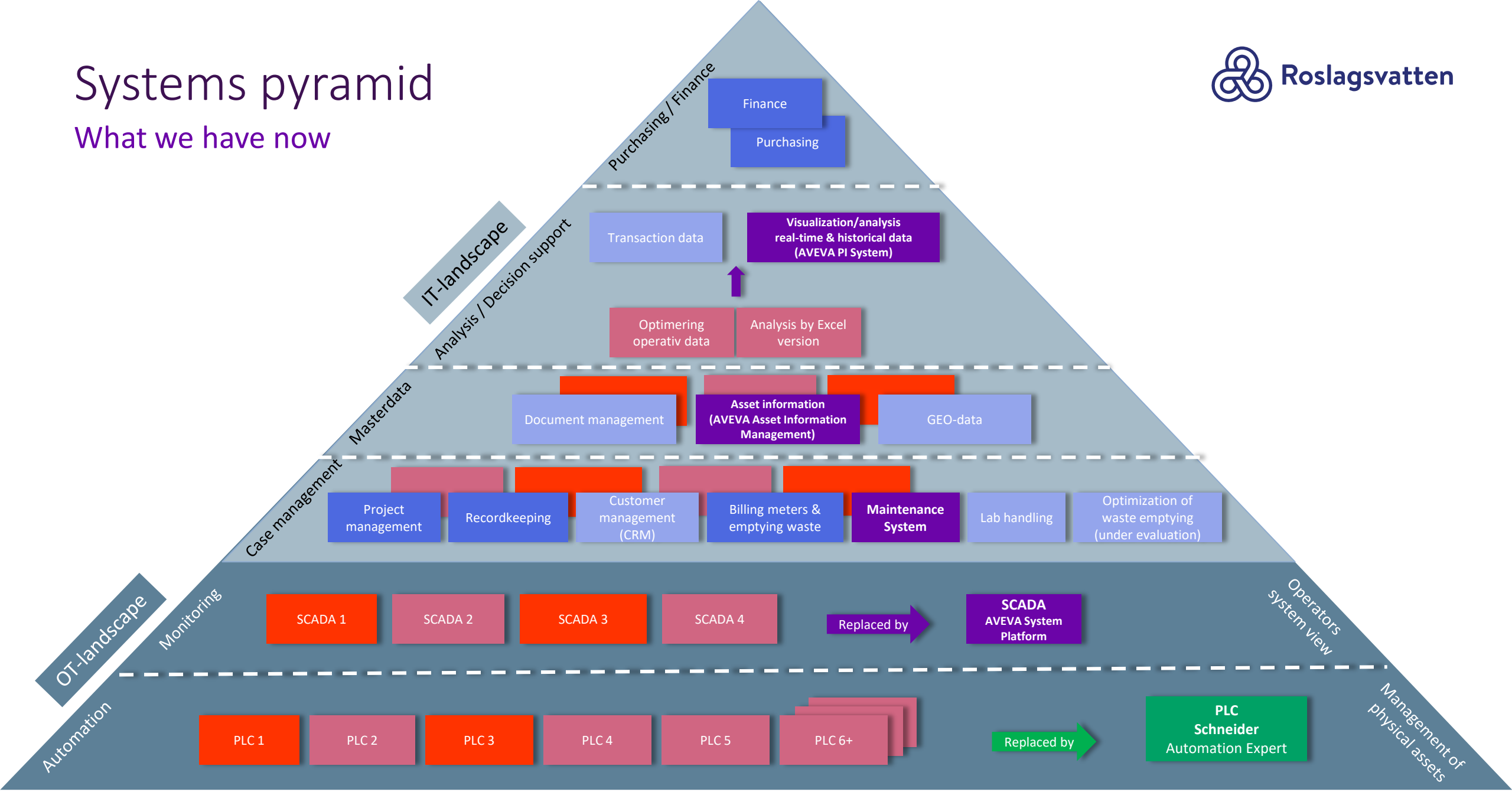
Roslagsvatten



Systems pyramid

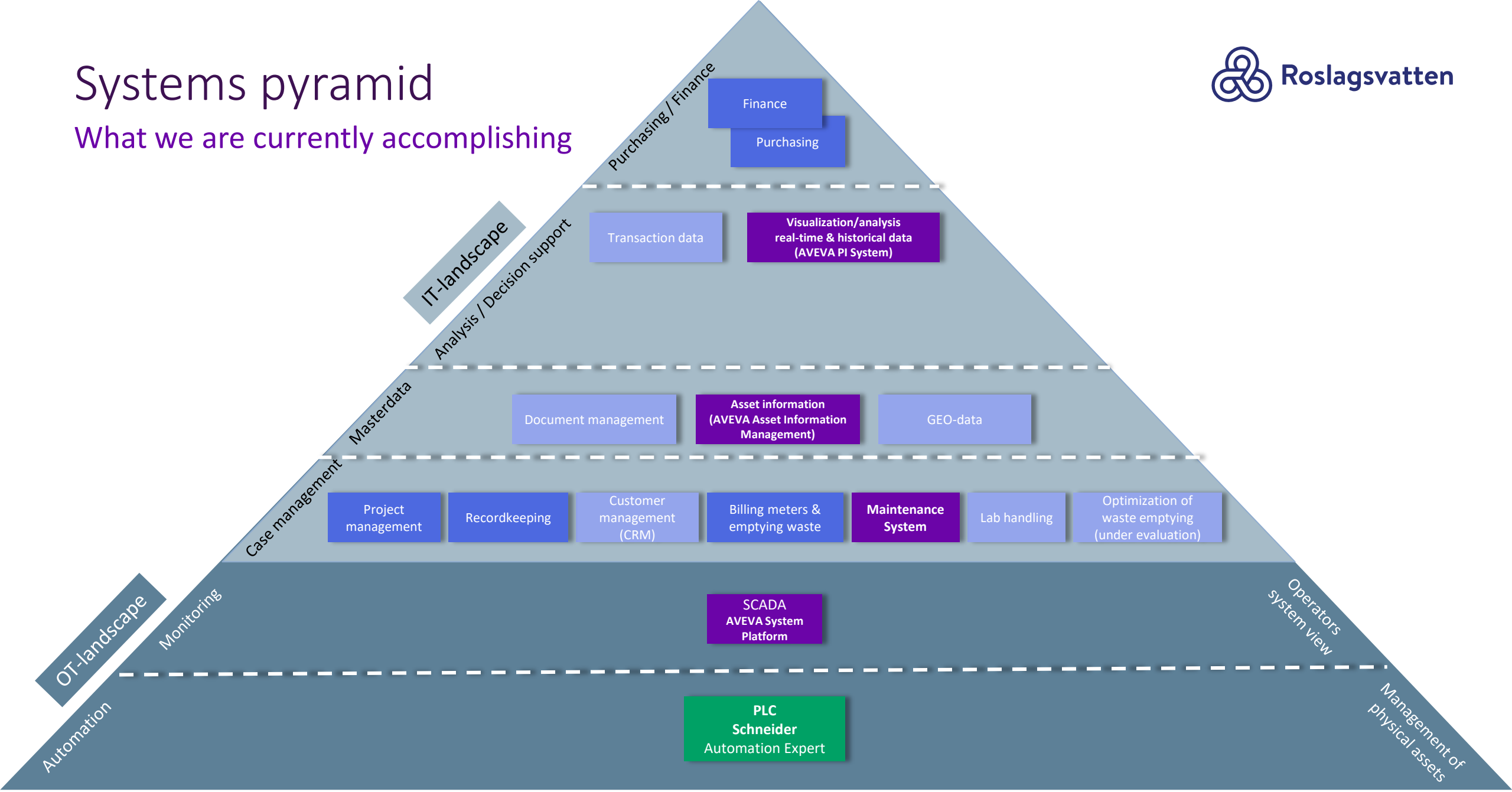
What we have now

Roslagsvatten



Systems pyramid

What we are currently accomplishing

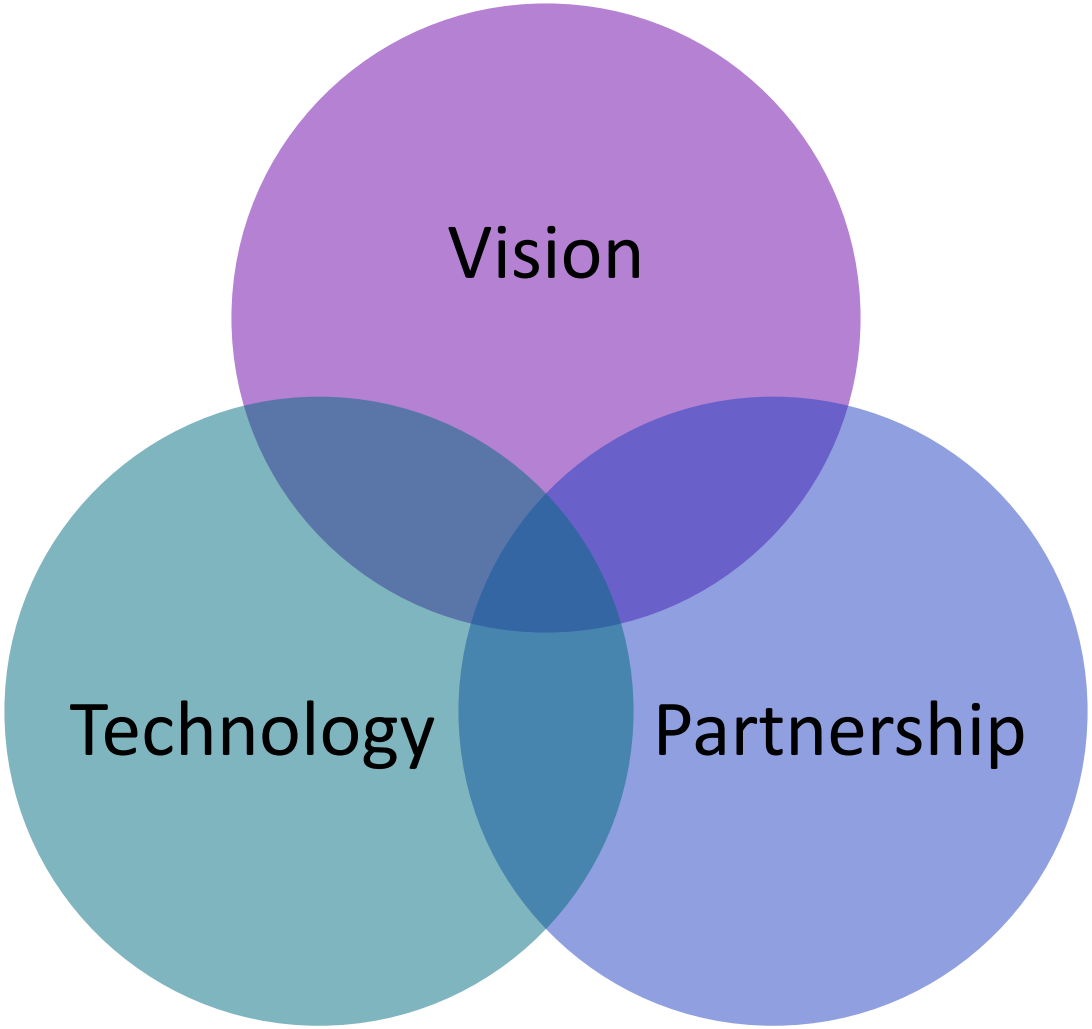


The foundations of our transformation work

Roslagsvatten

Life Is On Schneider Electric

AVEVA



Life Is On Schneider Electric

ROIMA

Industrial Automation Services | SWEDEN

Schneider Electric created a digitization strategy for Roslagsvatten, enabling operational continuity.

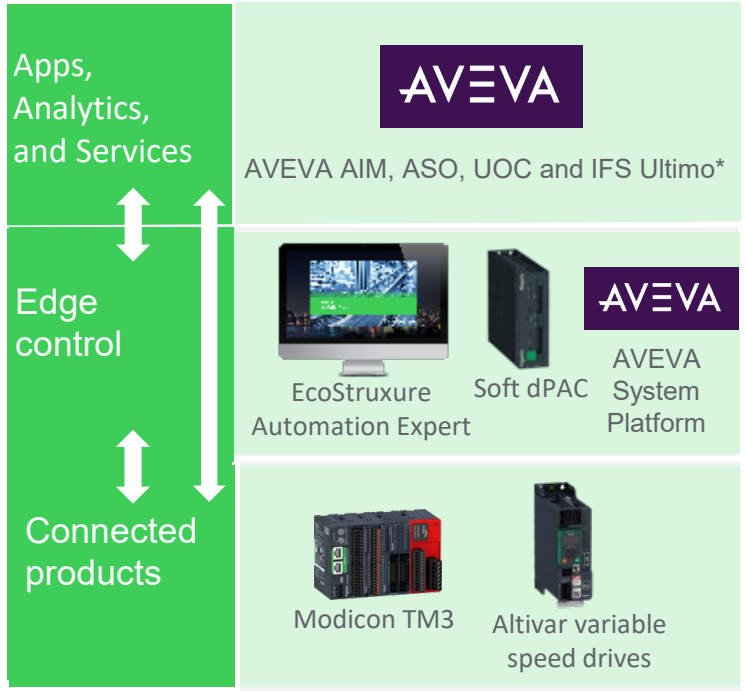
Schneider Electric helped Roslagsvatten by:

- Developing a digitization strategy and roadmap
- Defining a model for digitizing a pilot Brownfield WTP and Pump Stations
- Supporting a Greenfield project to standardize processes
- Software Defined Automation
- Using Schneider and AVEVA tech for digital continuity from Engineering to Operations

Life Is On | Schneider Electric

270 pumping stations, and
25 treatment plants in
5 municipalities

EcoStruxure™



Endorsed System Integrator | SWEDEN

Roima drives standardization and operational excellence for Roslagsvatten with AVEVA solutions

Roima helped Roslagsvatten by:

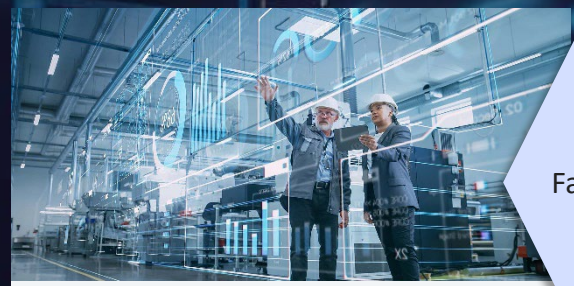
- Simplifying and standardizing OT operations, inspired by ISA 95 standards
- Holistic view of the OT Environment
- Replacing various old SCADAs with the AVEVA System Platform
- Template-based components: Reuseable, lowered maintenance, and enable quicker upgrades
- Enhancing real-time data visualization with AVEVA PI System for better decision-making
- Managing asset information with AVEVA Asset Information Management to optimize maintenance and control assets

AVEVA
ENDORSED OPERATIONS
System Integrator

ROIMA

DISCRETE MANUFACTURING

Product Lifecycle
PLM, CPQ, Digital Commerce



PROCESS INDUSTRIES

Operations
Factory ERP, MOM, MES, APS

LOGISTICS & RETAIL

Supply Chain
WMS, IBP, S&OP

WATER AND WASTEWATER | SWEDEN

Roslagsvatten boosts efficiency and drives sustainability with digitization and automation.

Challenges

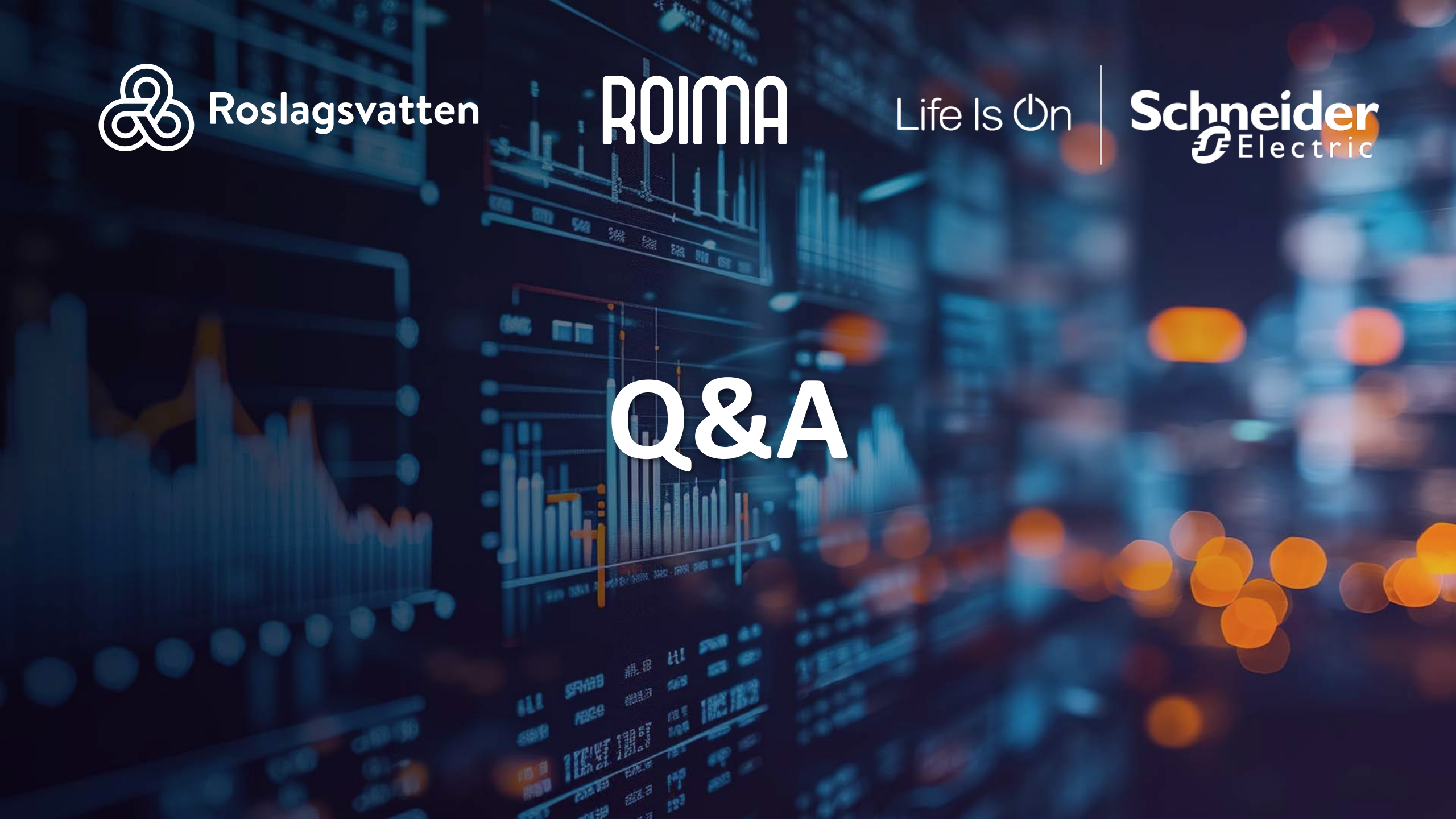
- Build a long-term, solution with open standards and tools
- Create a layered system with an IT/OT security focus
- Identify the best practices and find solutions that are “good enough”
- Change management

Solution

- Leveraging Schneider and AVEVA technologies to enable digital continuity from Engineering to Operations.
- Roima partnered with Schneider and Roslagsvatten to provide expert advisers, enhance system integration, and manage the transformation journey.

Result

- **Roslagsvatten achieved 40% reduction in handover costs, improved efficiency, enhanced asset management, faster upgrades, and a future-ready, flexible system.**


Roslagsvatten
ROIMA
Life Is On
Schneider Electric
Q&A

Roslagsvatten
ROIMA
Life Is On
Schneider Electric
Thank you

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ABOUT AVEVA

AVEVA is a world leader in industrial software, providing engineering and operational solutions across multiple industries, including oil and gas, chemical, pharmaceutical, power and utilities, marine, renewables, and food and beverage. Our agnostic and open architecture helps organizations design, build, operate, maintain and optimize the complete lifecycle of complex industrial assets, from production plants and offshore platforms to manufactured consumer goods.

Over 20,000 enterprises in over 100 countries rely on AVEVA to help them deliver life's essentials: safe and reliable energy, food, medicines, infrastructure and more. By connecting people with trusted information and AI-enriched insights, AVEVA enables teams to engineer efficiently and optimize operations, driving growth and sustainability.

Named as one of the world's most innovative companies, AVEVA supports customers with open solutions and the expertise of more than 6,400 employees, 5,000 partners and 5,700 certified developers. The company is headquartered in Cambridge, UK.

Learn more at www.aveva.com

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