



Benefits to automation engineering

Industrial semantic interoperability summit 2026

Anders Bredeesen - Granitor Systems

granitor | TOGETHER
TO GET THERE

Granitor Systems AB

One of Sweden's leading companies in industrial automation with operations in all industries, from traditional basic industry to energy and infrastructure. Present in Norway as Granitor Systems AS.

KEY FIGURES SE+NO

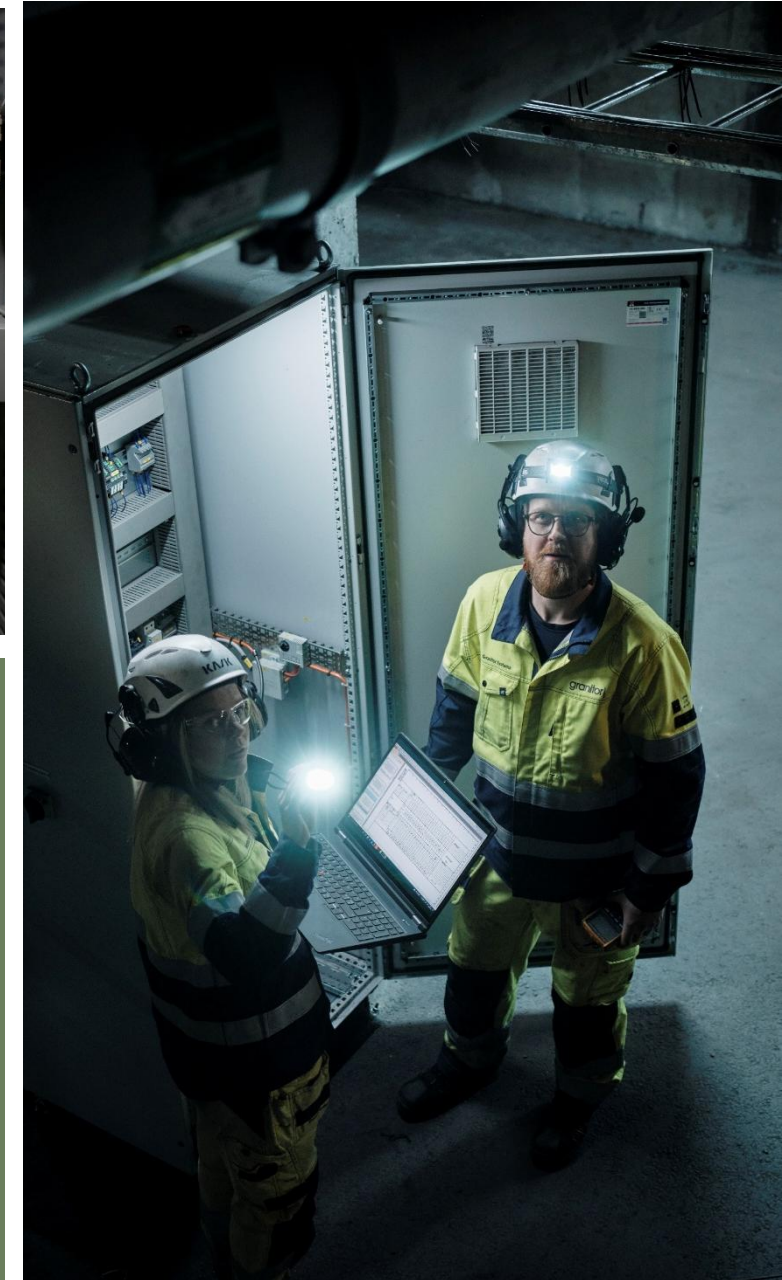
Sales: 1 600 MSEK

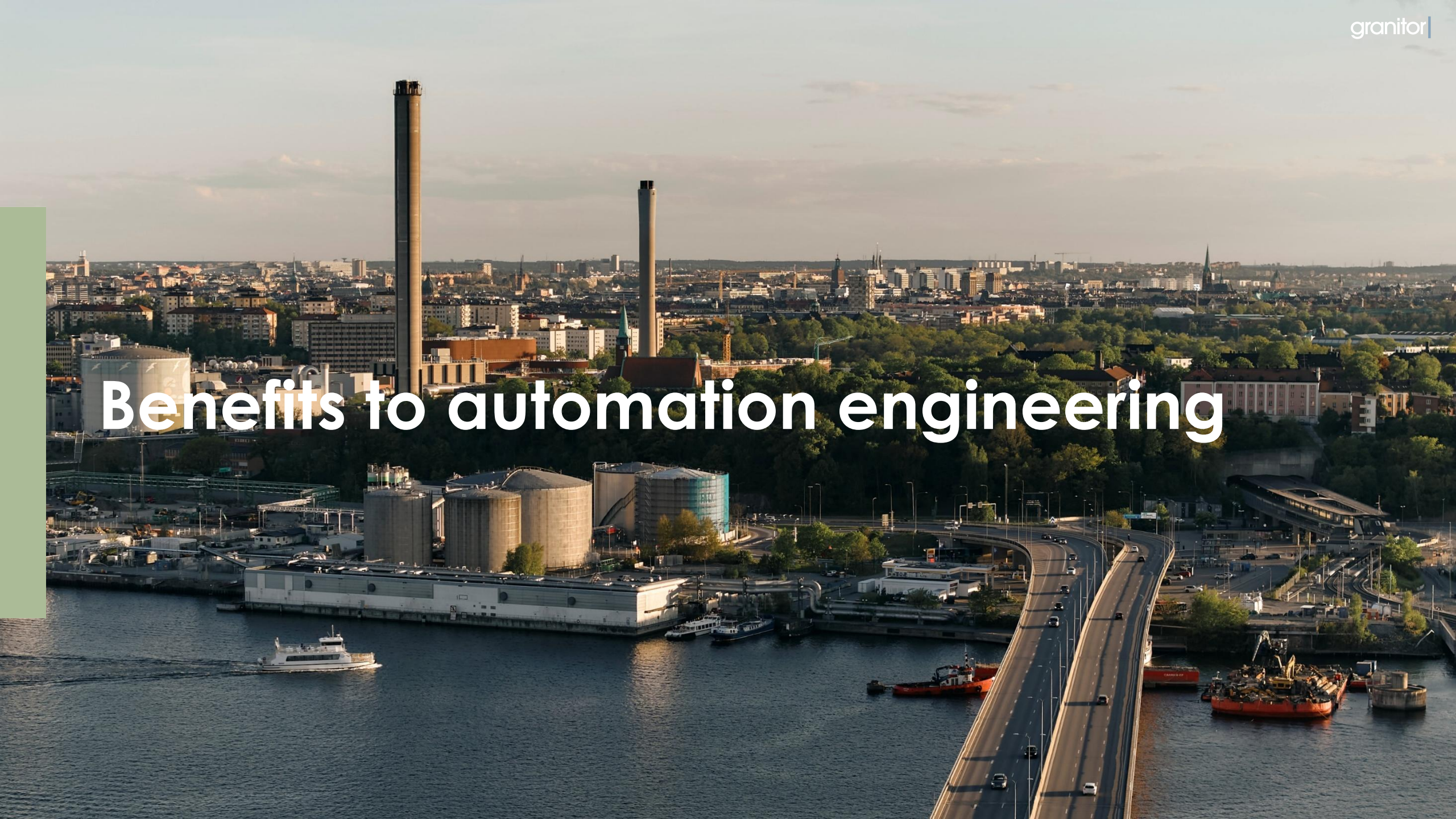
Employees: 527



Offer

- Industrial automation and robotization
- Crane systems, lifting equipment and industrial doors
- Electric power systems and switchgear



An aerial photograph of an industrial facility, likely a refinery or chemical plant, featuring several large cylindrical storage tanks and two tall smokestacks. The facility is located on a waterfront, with a multi-lane bridge crossing the water in the foreground. In the background, a dense urban area with various buildings and greenery is visible under a clear sky. The text "Benefits to automation engineering" is overlaid in white on the left side of the image.

Benefits to automation engineering

At the perception layer

- IIoT has substantially reduced the need of cabling , even a contribution to sustainability
- More intelligent field devices reduces the engineering time
- Can contribute to lower energy consumption
- On global scale IIoT increases the amount of energy used



At the network layer

Previously

- Only more or less validated software-drivers directly between hardware and system.
- Rawdata handling with little or no analytics.

Today

- More reliable and widely accepted communication protocols combined with industrial Ethernet.
- High level analytics including predictive maintenance analytics. Alerts the engineers.



At the application layer

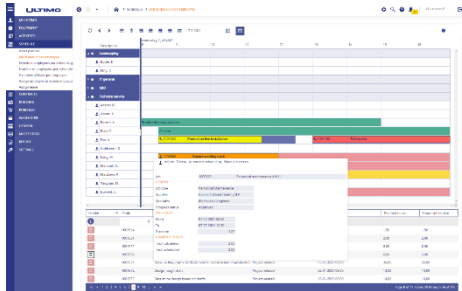
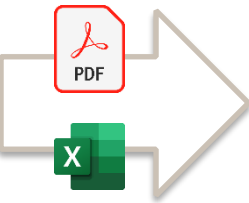
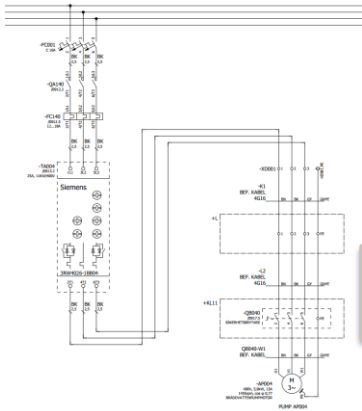
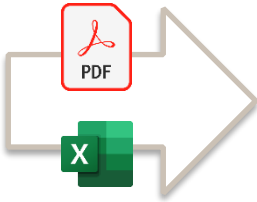
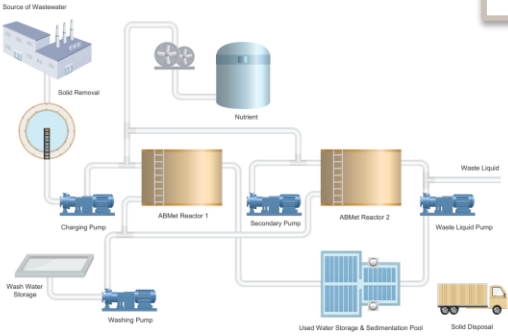
- Where the «magic» appears
- Allows digital interaction between plant owners, integrators and end users
- Enables efficient use of digital twin for supplier simulation of new customer requirements



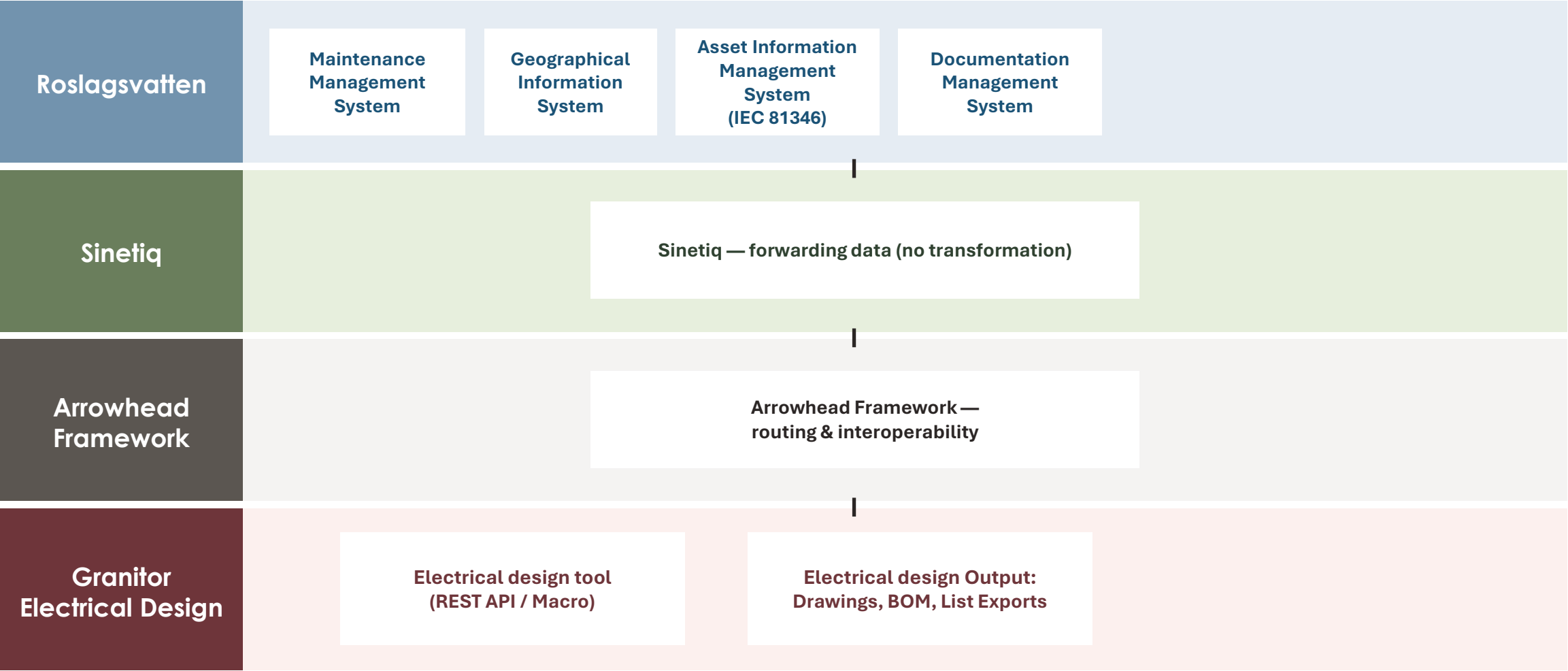
Our contribution to Arrowhead fPVN



Pump station engineering



System interaction overview





Standards involved

- **ISO 55001:2014**, IDT Asset management - Management systems - Requirements
- **SS-EN 13306:2017** Maintenance - Maintenance terminology
- **SS-EN ISO 13567-1:2017** Technical product documentation — Organization and naming of layers for CAD
- **SS-EN 61175-1** Industrial systems, installations and equipment and industrial products
- **SS-EN 81346-2** Classification of objects and codes for classes
- **SS-ISO 81346-10** Industrial systems, installations and equipment and industrial products — Structuring principles and reference designations Part 10: Power supply systems
- **SS-ISO 81346-12** Industrial systems, installations and equipment and industrial products — Structuring principles and reference designations Part 12: Construction works and building services
- **SS-EN ISO 19650-1** Organization and digitization of information about buildings and civil engineering works
- **ISO 61499** Standard for distributed automation

Open, but closed

- OT Security prioritizes availability and robustness much higher than confidentiality – inversely to IT Security
- Percentage of OT systems that are attacked is going down, but still at ~20% Q4 2025
- Zero Trust and Defense in Depth is well suited to OT, with regulated and structured environments. Still not well established in OT.
- Digital twin connected to customer's site; but will Suppliers DAIT-department and Customers DAIT-department ALLOW two-ways communications?
- Savings by interoperability may be overrun by the cost of required cybersecurity.

An aerial photograph of a multi-lane highway at sunset. The sky is a mix of orange, pink, and blue. In the background, there are city buildings and a large green hill. The highway has several cars driving on it.

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We believe that every level of ambition and degree of digitalization must always be grounded in clear business value, a solid business case, and a real operational need — solving a problem, addressing a challenge, or unlocking an improvement opportunity.

Technology should never be implemented simply because it is modern or exciting; without measurable value creation, even the most advanced solutions risk becoming expensive complexity that undermines trust in digital transformation itself.

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OUR CEO'S VISION



A photograph of two police officers in high-visibility yellow jackets with reflective stripes. The officer in the foreground has the text 'TOGETHER TO GET THERE' on the back of their jacket. They are standing at night on a street, with a car's headlights on in the background. A light blue rectangular graphic is on the left side of the image.

**Semantic interoperability is
incorporated in our tagline**