

AVEVA **PI**World
AMSTERDAM

MAY 18, 2022

Welcome to
Industry Day!



MAY 18, 2022

Infrastructure, Water, T&D Track Welcome

AVEVA PI World Amsterdam 2022 Industry Day

Gary Wong - AVEVA



Amazing Stories

- 8:40 – Great Lakes Water Authority
- 9:45 – Eni
- 10:30 – Veolia
- 11:15 – City of Salem
- Lunch
- 14:00 – T&D State of the industry
- 14:45 – TenneT TSO
- 15:30 – Gwinnett County
- 16:00 – Waterfall Cybersecurity

Infrastructure, Water, T&D Track Team



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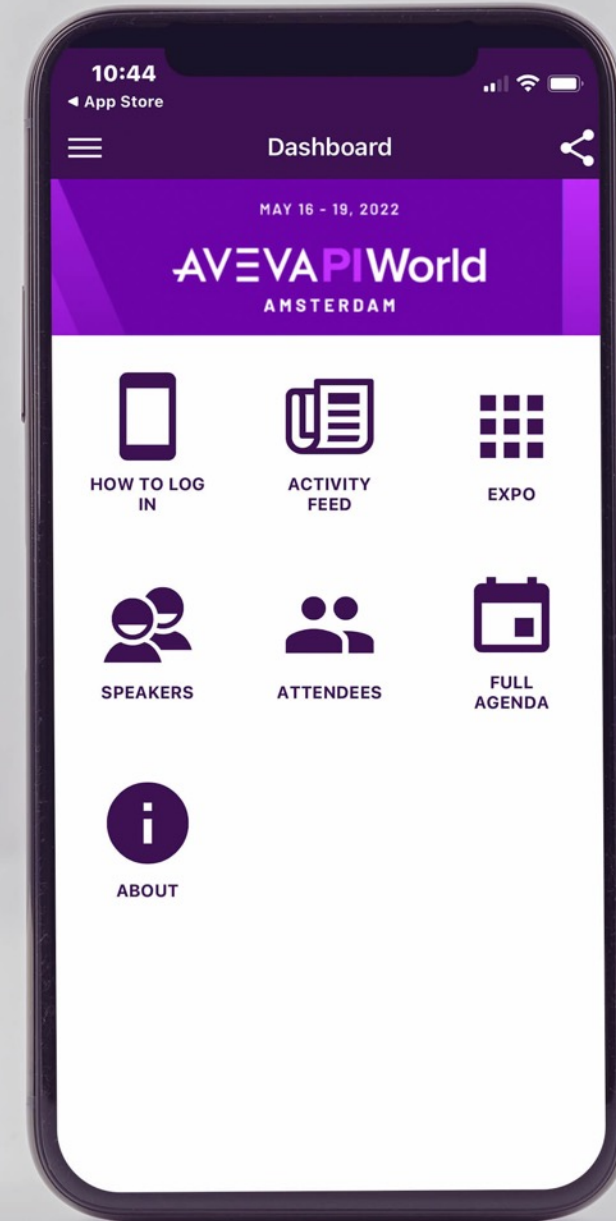
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Download the mobile app

Search “Attendee Mobile” in the app store and select “AVEVA PI World Amsterdam”



#AVEVAWorld



Resilience: The Next Unknown



Industry & market pressures



Increasing complexity of
service networks

>35%

Smart systems can cut
emergency response times
by 20-35% ¹



Budget
constraints

\$6T

Demand for infrastructure
investments is estimated
at \$6T/ yr., with half the
required spending²



Labor
disruption

\$2.1B

By 2050, the world's
population of people aged
60 years and older will
double to 2.1B³



Aging
infrastructure

\$200B

USA deteriorating
infrastructure is already
costing the economy close
to \$200B a year⁴



Increasing climate
pressure

>70%

Cities consume two-thirds of
global energy and account for
>70% of GHG emissions⁵

Sources: 1. [Mckinsey](#) 2. [World Economic Forum](#) 3. [WHO](#) 4. [Democrats Senate](#) 5. [The World Bank](#)

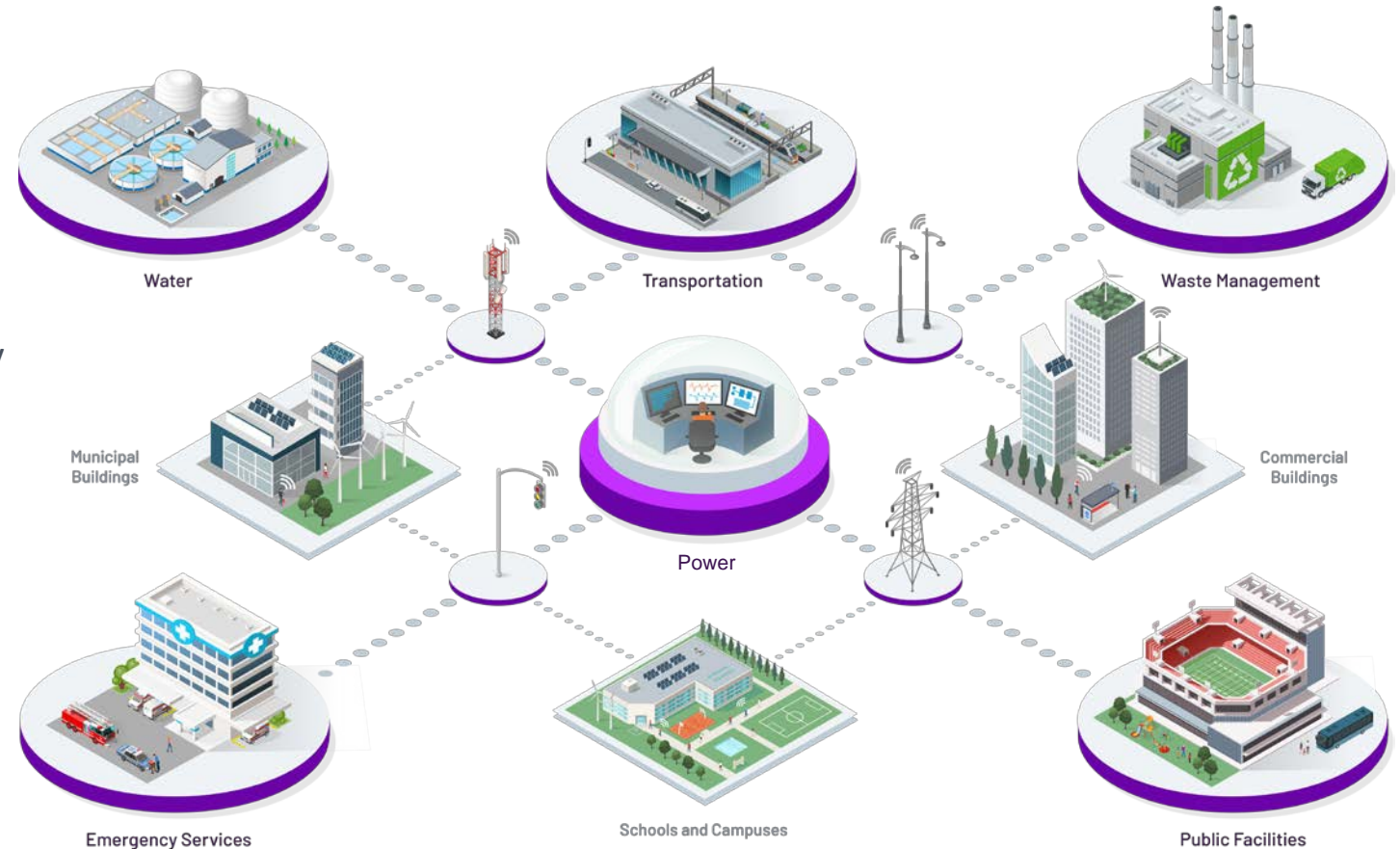
Infrastructure Management Market Drivers

Trends and Market Pressures

- Increasing Complexity of Service Networks
- Budget Constraints
- Labor Disruption
- Aging Infrastructure
- Increased Regulations and Business Discontinuity

Business Imperatives

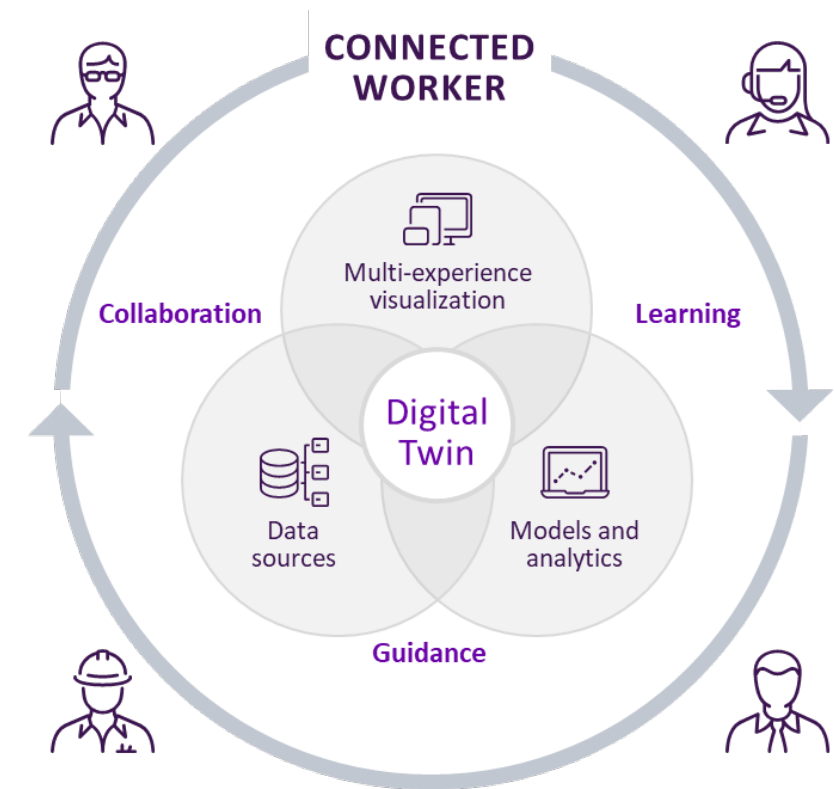
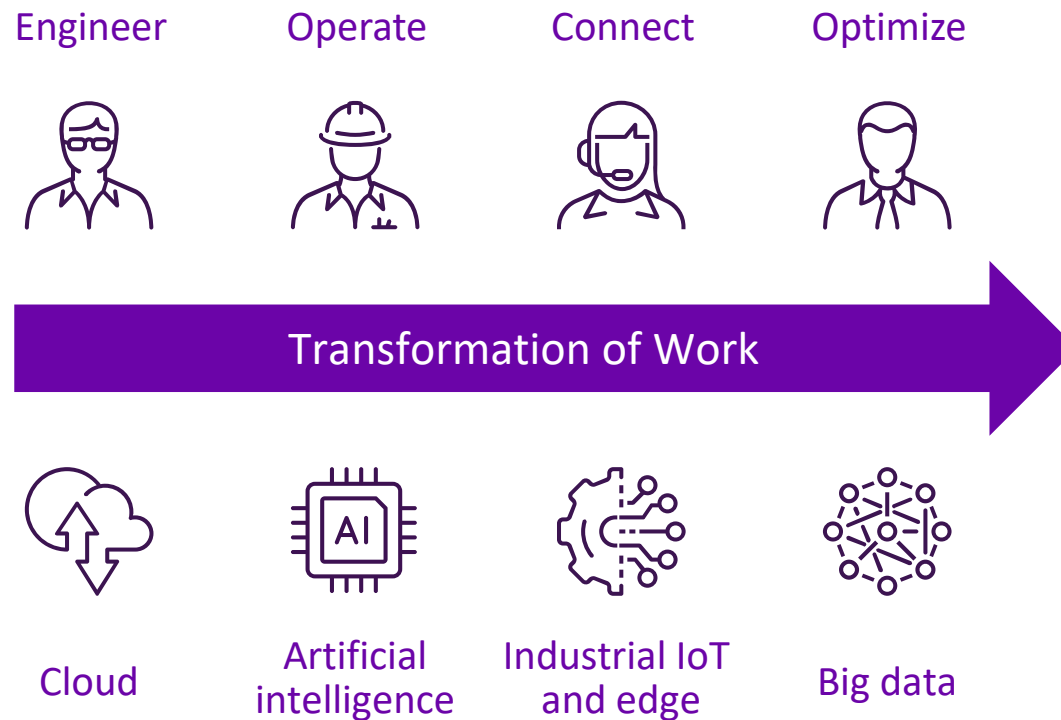
- Operational Agility and Resiliency
- Operational Efficiency
- Transformation of Work
- Asset Reliability and Safety
- Sustainability and Net Zero



Digital Transformation of Work is key to addressing imperatives

Break down silos and connect your teams with trusted information and insights

... enabled by the latest technology in a SaaS or hybrid cloud environment



Veolia Water

Unified Engineering

Smart Engineering Design Tender & Project



Eni



Water Treatment Reliability



OIL & GAS

Eni

Our Digital Transformation

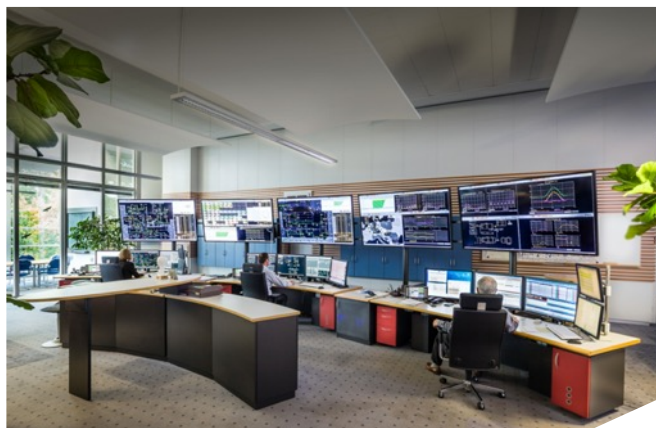
- Eni is an integrated energy company with more than 30.000 employees in 68 countries around the world. In 2021, the company launched a new strategy that will enable it to provide a variety of fully decarbonized products, combining environmental and financial sustainability.
- The growth of digital makes achieving our production and sustainability goals possible.
- The digitalization of Eni has led to the creation of the **digital plant**, a control panel that groups and displays information relating to the most relevant processes and also allows access to predictive models.

TenneT TSO

Asset Management

Transmission services

Ensure a robust and efficient high-voltage grid



Market facilitation

Facilitate an efficient and stable electricity market



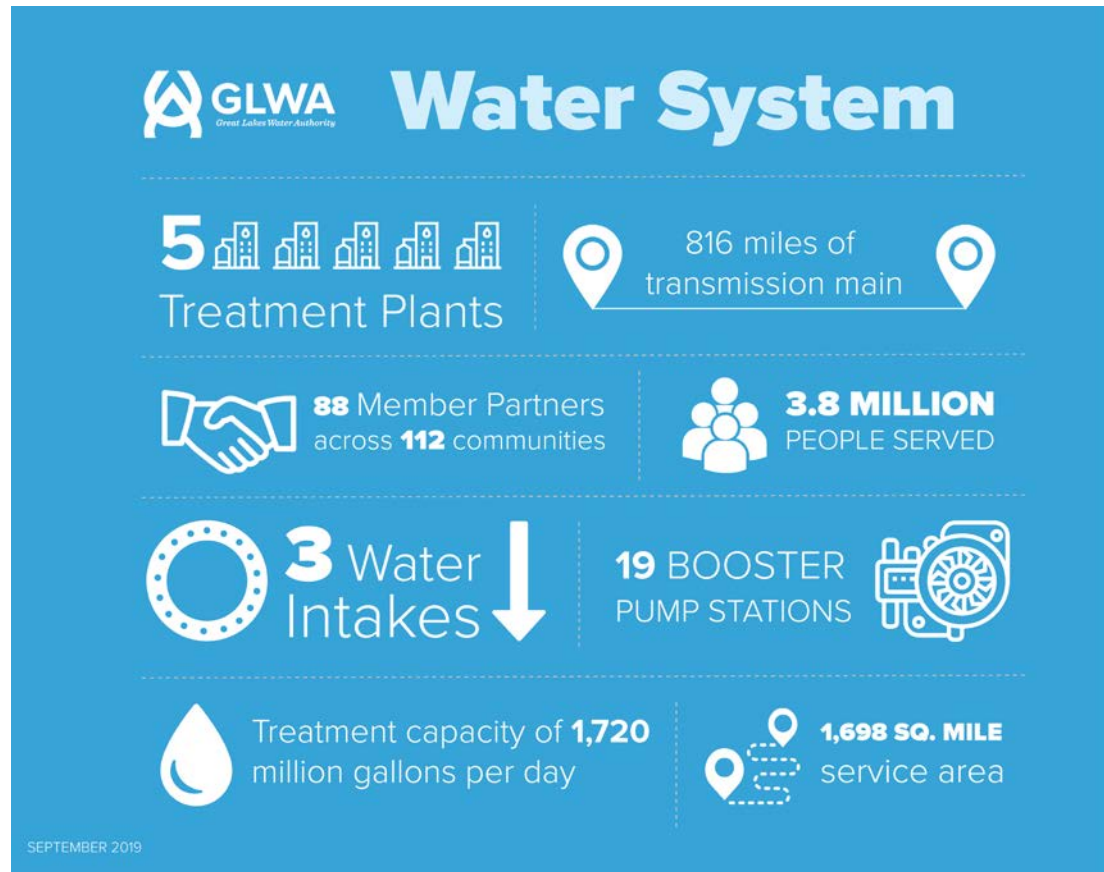
System services

Maintain the balance of electricity, 24/7



Great Lakes Water Authority

Optimizing Wastewater Operations



Join us tonight at Zuidpool

Offsite event behind the RAI

18:30 – 22:30

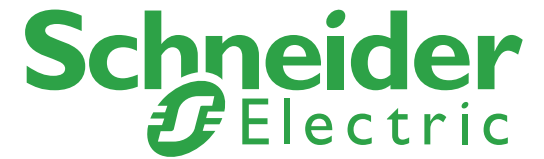


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