

# AVEVA PI World

AMSTERDAM

MAY 18, 2022

# Welcome to Industry Day!



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# Infrastructure, Water, T&D Track Welcome

AVEVA PI World Amsterdam 2022 Industry Day

Gary Wong - AVEVA

**AVEVA**

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# 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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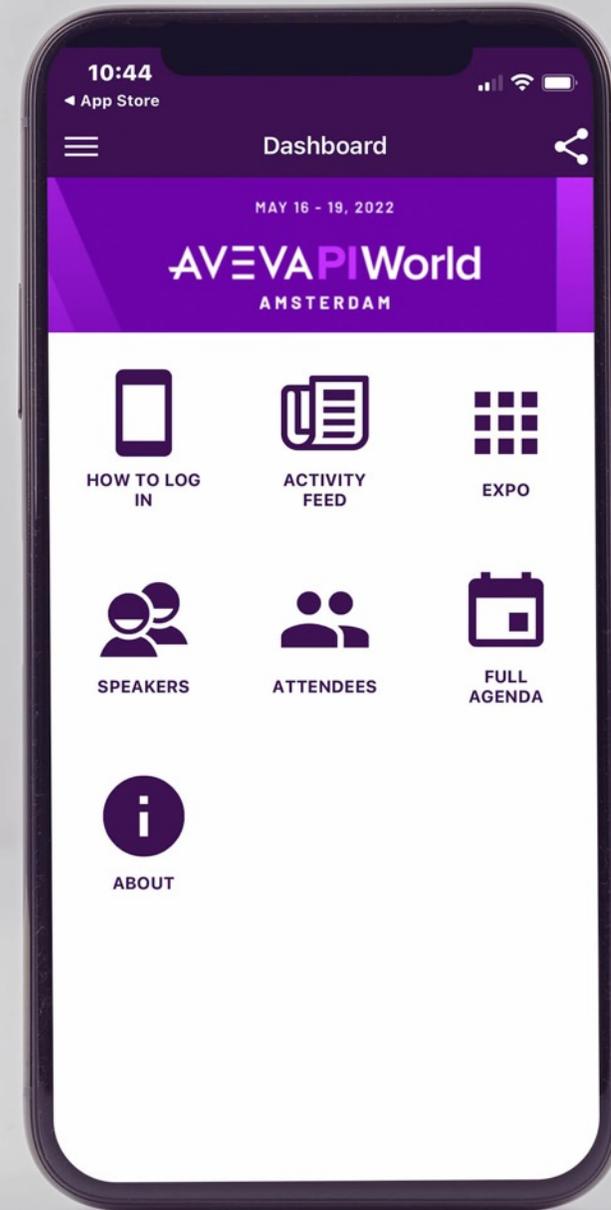
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# Download the mobile app

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



#AVEVAWorld



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# Resilience: The Next Unknown



# Industry & market pressures



Increasing complexity of service networks

**>35%**

Smart systems can cut emergency response times by 20-35% <sup>1</sup>



Budget constraints

**\$6T**

Demand for infrastructure investments is estimated at \$6T/ yr., with half the required spending<sup>2</sup>



Labor disruption

**\$2.1B**

By 2050, the world's population of people aged 60 years and older will double to 2.1B<sup>3</sup>



Aging infrastructure

**\$200B**

USA deteriorating infrastructure is already costing the economy close to \$200B a year<sup>4</sup>



Increasing climate pressure

**>70%**

Cities consume two-thirds of global energy and account for >70% of GHG emissions<sup>5</sup>

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

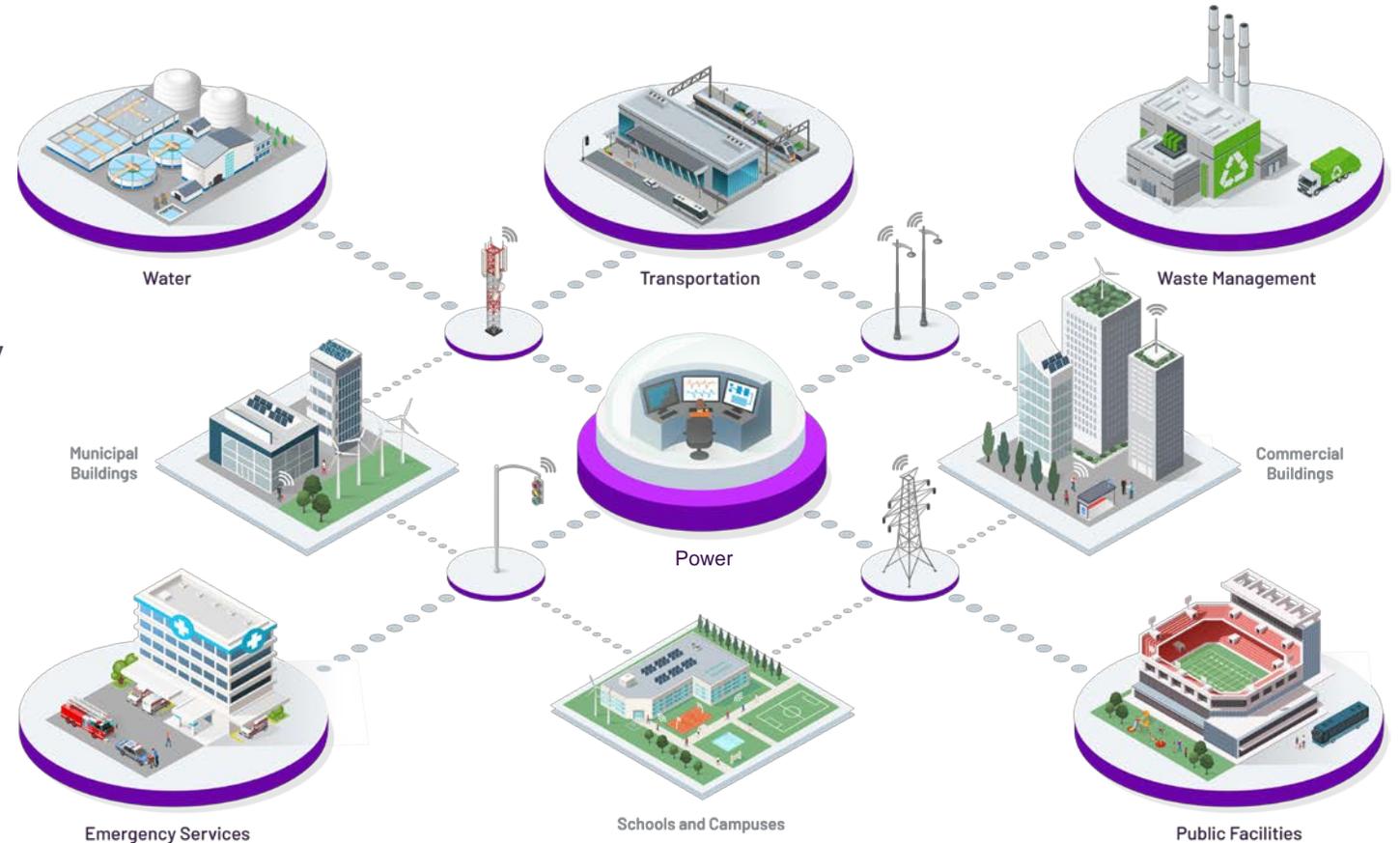
# Infrastructure Management Market Drivers

## Trends and Market Pressures

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

## Business Imperatives

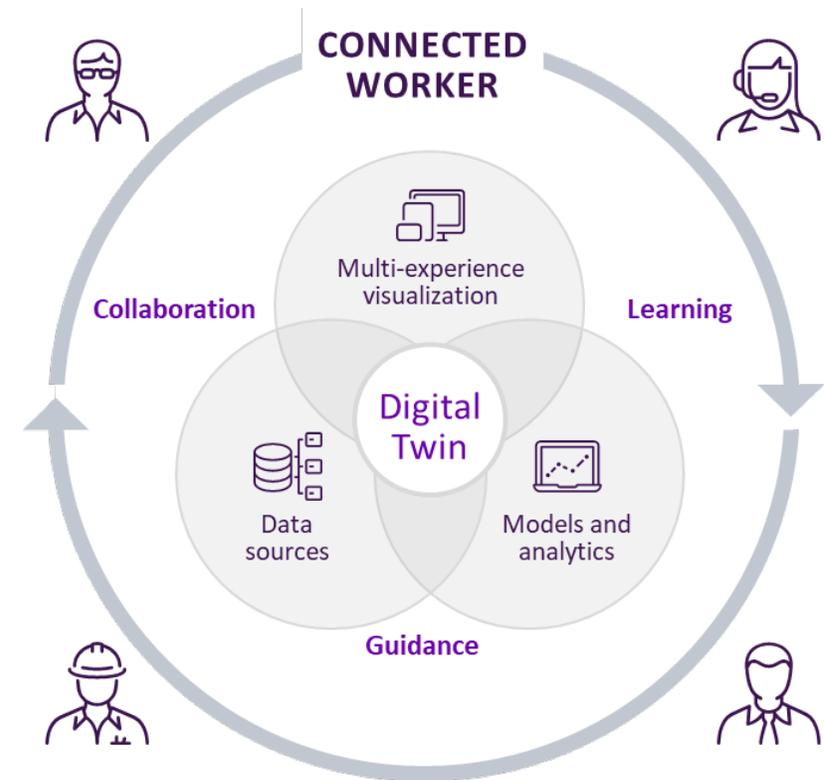
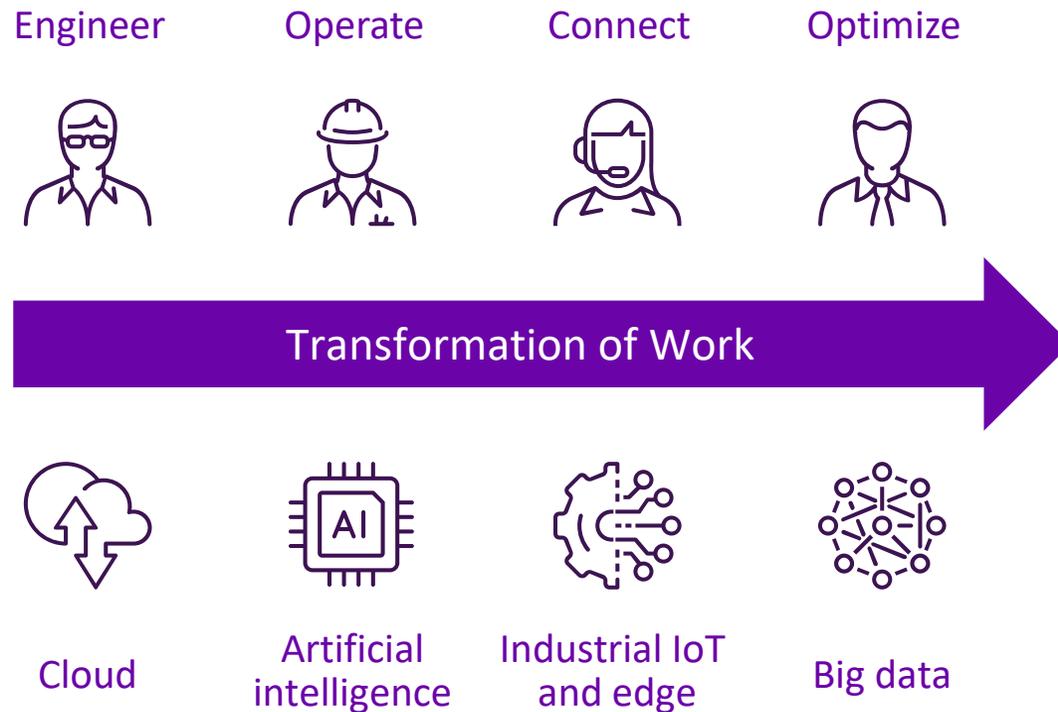
- Operational Agility and Resiliency
- Operational Efficiency
- Transformation of Work
- Asset Reliability and Safety
- Sustainability and Net Zero



# 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



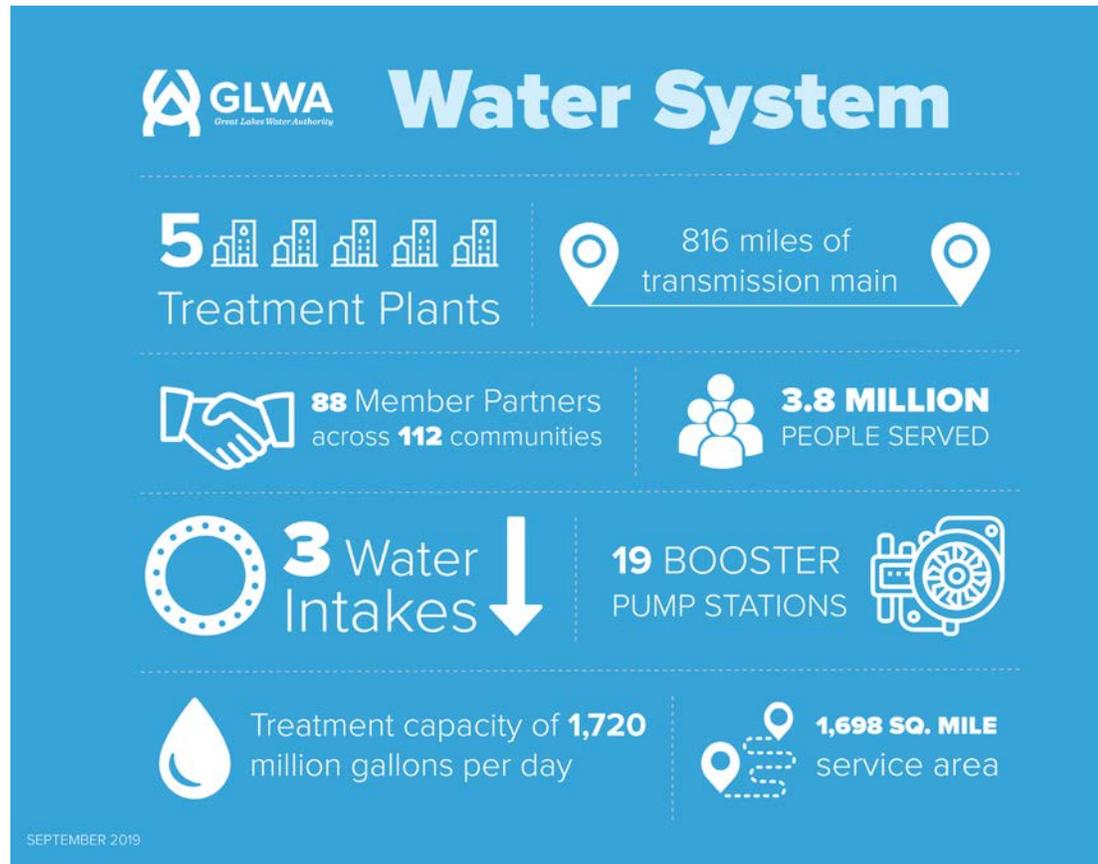
### System services

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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СИПОС

WAZVIITA

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