AVEVA PI WORLD

Welcome to AVEVA PI World Digital Transmission & Distribution Session

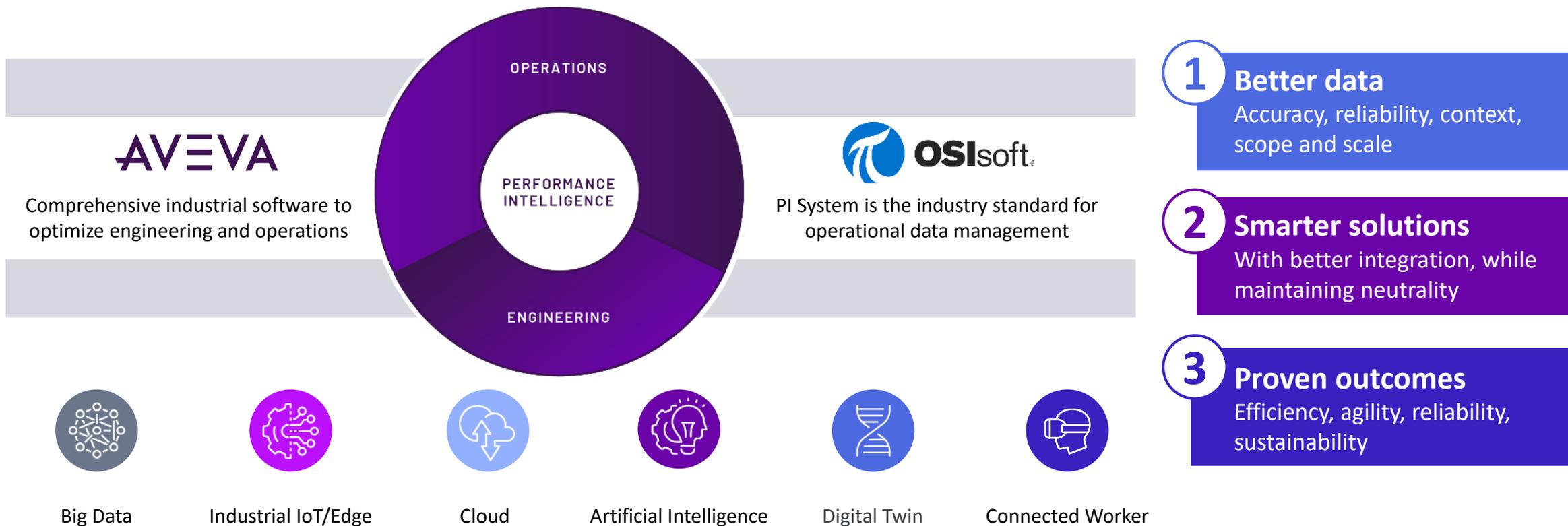Kevin Walsh - Global Industry Principal Transmission Distribution & Smart Grid

William McEvoy – Global Power and Utilities

Bringing together two trusted, world-class software experts

Delivering end-to-end customer value with best-of-breed industrial software

OPERATIONS

PERFORMANCE INTELLIGENCE

ENGINEERING

AVEVA

Comprehensive industrial software to optimize engineering and operations

OSIsoft

PI System is the industry standard for operational data management

1 **Better data**
Accuracy, reliability, context, scope and scale

2 **Smarter solutions**
With better integration, while maintaining neutrality

3 **Proven outcomes**
Efficiency, agility, reliability, sustainability

Big Data   Industrial IoT/Edge   Cloud   Artificial Intelligence   Digital Twin   Connected Worker

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AVEVA Power and Utility Team

Kevin P Walsh - Global T&D and Smart Grids

William E. McEvoy - Global Power and Utilities

David Thomason - Global Power Generation

Ann Moore - Global T&D and Smart Grids

Gary Wong – Global Water

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Today's Presentations for the T&D Session

- **Taiwan Power** - PI System in renewable and distributed energy at Taiwan Power Research Institute

- **SDG&E** - SDG&E's Data-driven community-based approach to attain grid reliability and sustainability

- **TNB** - PI System DGA - PI Vision Custom Symbols at Tenaga Nasional Berhad

- **PNNL/GPA** - Scientific tools for advanced synchrophasor data analytics with the PI System at PNNL

- **ComEd** - Distribution Grid Analytics with OSIsoft PI and PowerRunner to support exception-based analytics

- **Ameren** - Impacts of FERC 2222 on distribution Utilities

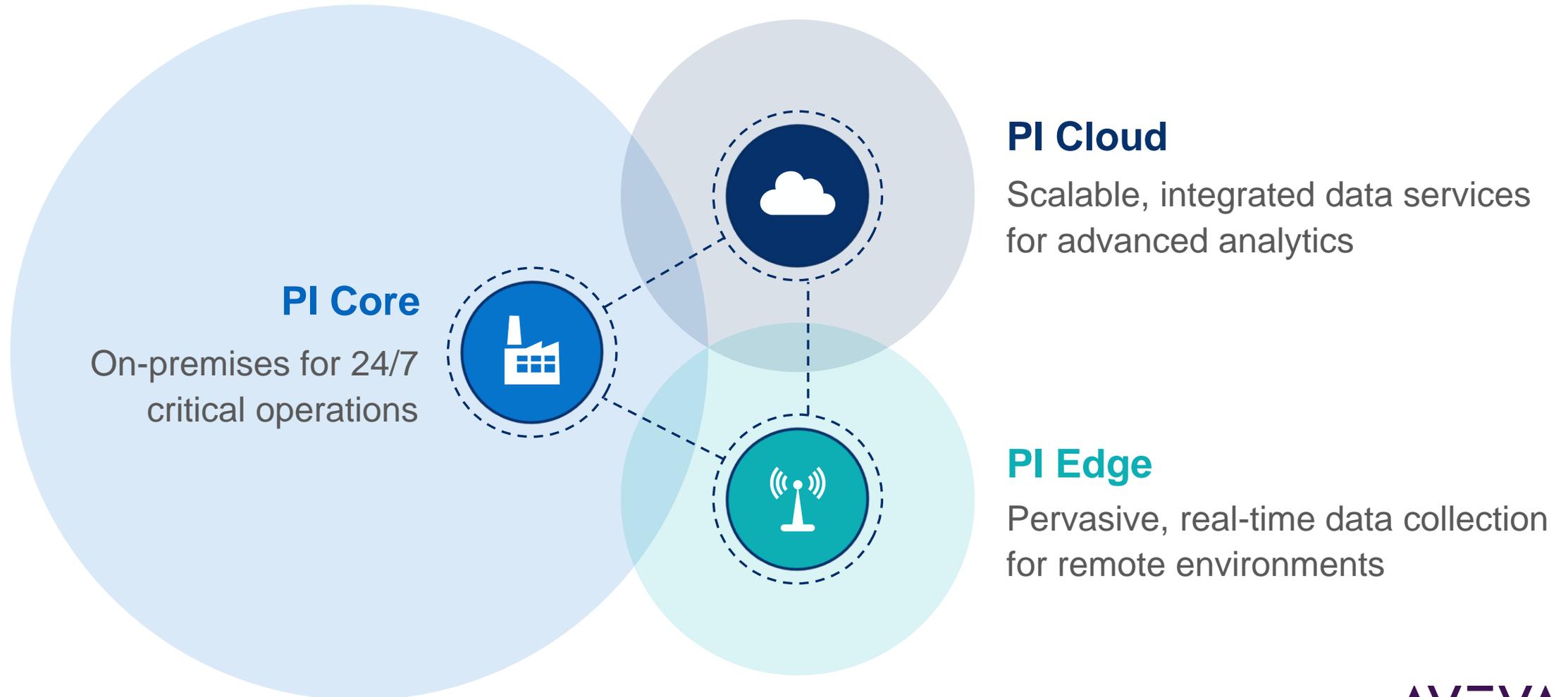- **VELCO** - PI Community Agreement at VELCO

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FERC Order No. 2222 – A Game changer

- FERC Order No. 2222 will help usher in the electric grid of the future and promote competition in electric markets by removing the barriers preventing distributed energy resources (DERs) from competing on a level playing field in the organized <u>capacity</u>, <u>energy</u> and <u>ancillary services</u> markets run by regional grid operators.

- Tariffs also must address technical considerations such as

  - Locational requirements for DER aggregators

  - Distribution factors and bidding parameters

  - Information and data requirements

  - Metering and telemetry requirements; and

  - Coordination among the regional grid operatios, the DER aggregator, the distribution utility and the relevant retail regulatory authority

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"In this case; I rather be a policy maker than a policy taker"

Utility Executive

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AVEVA – The PI System – Continue to add distributed capabilities supporting multiple OT & IIOT use cases

PI Cloud

Scalable, integrated data services for advanced analytics

PI Core

On-premises for 24/7 critical operations

PI Edge

Pervasive, real-time data collection for remote environments

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OSIsoft.
is now part of AVEVA

SAVE THE DATE

2021 PI System T&D and Power generation virtual Users group meeting

December 7-8, 2021

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Kevin P Walsh

Global Industry Principal – Transmission/Distribution/Smart Grids

- AVEVA

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