

# Tantalus Grid Modernization Platform™

Accelerate grid modernization with the Tantalus Grid Modernization Platform

## Description

The Tantalus Grid Modernization Platform (TGMP) is a technology architecture that provides a secure, flexible and affordable path to grid modernization by delivering true data interoperability across new and existing devices, systems and vendors. By accessing data from devices deployed throughout the entire distribution grid, TGMP delivers unprecedented levels of visibility, command and control to improve a utility's operations.



## The platform comprises several layers of technology, including:

**Connected devices** that deliver the right data at the right time to the right system – and are reverse-compatible with existing utility infrastructure. One of our most important devices, the TRUSense Gateway™, provides substation-level power quality measurement at the electric meter socket AND control of Distributed Energy Resources (DERs), such as electric vehicle chargers, solar and storage inverters and smart appliances located behind the meter.

**Communications**, such as the TRUConnect™ Network which delivers the necessary flexibility and compatibility to evolve as the edge of the grid expands to include DERs deployed behind the meter.

**Grid data management**, such as TRUSync™ Grid Data Management, our revolutionary grid data management system that automates the integration of all data across every device, system and vendor.

**Software applications**, such as TRUConnect™ AMI and TRUFlex™ Load+DER Management, that include an intuitive user interface and a customer portal that takes advantage of having all a utility's data in one place.

**Data analytics**, such as our TRUGrid™ Transformer and TRUGrid Reliability analytics offerings that leverage Artificial Intelligence (AI) to protect assets and prioritize investments, proactively anticipate critical problems before an event occurs and respond in real-time to problems.

The TGMP is data-centric, not device-centric. While Tantalus offers a suite of cutting-edge and innovative connected devices, such as the TRUSense Gateway, a true platform must support connected devices and systems from multiple vendors through true, standards-driven interoperability.

## Benefits

- Automate the integration of any grid data for visibility, command, and control across your entire grid, including from devices located behind-the-meter
- Eliminate the need for costly and complex integration projects
- Mitigate the cost of stranded assets through unparalleled reverse-compatibility across generations of edge-devices
- Provide true data interoperability across any device, protocol, data model, or vendor, which helps you avoid vendor lock-in and needless rip-and-replace costs and delays
- Generate a single version of truth that bridges OT and IT
- Delivers unparalleled scalability in terms of memory, processing power and servers

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## **Harness The Power of Data and Modernize Your Distribution Grid**

Tantalus is a technology company dedicated to helping utilities modernize their distribution grids. We help our customers harness the power of data across all their devices and systems deployed throughout the entire distribution grid – from the substation to the EV charger. We offer smart grid solutions across multiple levels: intelligent connected devices, communications networks, data management, enterprise applications and analytics.