



DISCOVER THE *Power Of Choice*
for utilities & smart cities

Discover UnitySuite®... our Proven, Device-Independent Head-End System (HES)

UnitySuite® is a multi-technology software platform that enables utilities and cities to gather and analyze data, create actionable results, and bring together open, secure, and flexible solutions for other 3rd party software applications.

Trilliant is dedicated to providing utilities and smart cities with next-generation technologies, applications, firmware, and hardware that deliver successful endpoints and outcomes, and support their strategic Energy Transition goals.

A mission-critical component in Trilliant's Advanced Metering Infrastructure (AMI) solution that serves as the central hub for data collection and management is our UnitySuite Head End System (HES).

This proven, device-independent HES integrates with over 340 meters and applications, worldwide. It serves as a customizable, scalable, and flexible multi-technology platform for device management, capable of deploying any solution on Trilliant's powerful and secure network.

UnitySuite is a virtual control center that aggregates thousands of data points to evaluate and implement reliable solutions for managing electricity generation and distribution. It supports the connection and integration of more devices and future-ready network technologies.

Capabilities

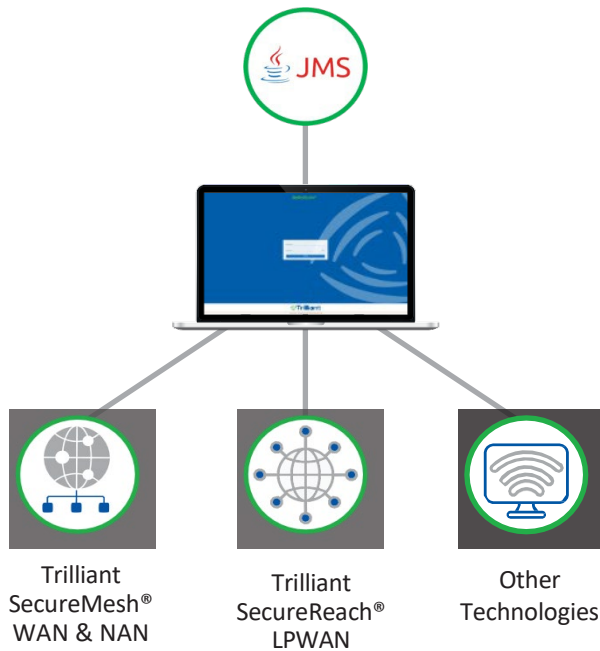
UnitySuite® is purpose-built to:

- Support multiple vendors (models, firmware and communication methods), diverse network types, and existing devices to securely, future-proof Smart Grids and Smart Cities
- Implement an advanced Smart Grid solution featuring Smart Metering, Smart Distribution, and Smart Consumer applications
- Access all smart grid networking and end-point device information collected via the UnitySuite software platform and 3rd party applications
- Facilitate two-way communication between the utility and its smart meters
- Support multiple device vendors, types, models, firmware versions, protocols, and communication methods via its secure management platform
- Drive informed business decisions through efficient data collection, analysis, and validation
- Achieve greater efficiency with Trilliant's scalable, flexible, and future-ready technology solution

UnitySuite's device-independent platform eliminates the risk of vendor lock-in, which can reduce costs for customers. By mitigating this risk, eliminating unnecessary costs, and improving interoperability, UnitySuite is at the core of Trilliant's Power of Choice value proposition.

UnitySuite® Head-End System

Supporting Multiple Networks and Protocols



Trilliant's next-generation network technologies encompass Wide Area Networks (WAN), Neighborhood Area Networks (NAN), and Low Power Wide Area Networks (LPWAN). These technologies communicate with the HES through the Smart Energy Access Layer (SEAL API). The Java Message Service® (JMS) API manages messages, stores events, data, etc. for end users to evaluate.

Key Integration Use Cases for Communication Interfaces

Explore our advanced communication that interfaces at both the physical and data link layers to seamlessly integrate a wide range of use cases, including but not limited to:

- Commissioning/Decommissioning
- Meter Connectivity/Power Status Verification Data Aggregation and Storage
- Remote Connect/Disconnect Meter Firmware Updates
- On Demand/Scheduled Tasks
- Meter Reads (Billing, Daily, & Load Profile) Meter Events
- Power Outage Notification/Restoration Tampering and Theft
- Two-way Communication OTA FW Upgrade
- OTA Configuration Update

Trilliant's Power of Choice value proposition gives smart utilities and cities customers the flexibility to select only the solutions they need to support their unique Energy Transition goals.

KEY FUNCTIONS

	Scalability	Deploy multiple applications across any utility or any city of any size
	IIoT Opportunities	Leverage the Industrial Internet of Things for superior connectivity and device management
	Data Collection	Ensures accurate data by validating information from smart meters
	Flexibility	Integrates with diverse meter types and communication protocols, across different utility environments
	Two-Way Communication	Enables seamless interaction between utilities and smart meters for remote operations
	Data Aggregation	Efficiently gathers and temporarily stores data for further processing
	Interoperability	Supports hundreds of metering systems and standards for smooth integration
	Operational Efficiency	Enhances service reliability by reducing manual interventions and speeding up response times

Questions, comments: info@trilliant.com

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