SOLUTION SHEET

Manage multiple utility commodities in a single solution



In the evolving world of utilities and telecommunications, handling multiple networks at once requires versatile solutions. Your asset management system needs to cover standard functionality, but also meet the unique needs of your networks. Combining asset data and information from multiple commodities – gas, electricity, water and telecommunications – into one solution can streamline your operations and provide more efficient service to your customers.

All needs in one solution

With Octave NetWorks Utilities (formerly HxGN NetWorks Utilities), you can select the commodities you need and quickly deploy them in a single modern system, available on-premises or as a managed cloud offering. It is a unified, prebuilt solution that provides a common operational picture for gas, electricity, water, wastewater and/or telecommunications networks. New commodities can be added in the event of expanding services or mergers and acquisitions.

With NetWorks Utilities, all your data can be consolidated into a single digital twin.

This includes digital storage for all your assets, their network topologies, inter-feature relationships to structures and relationships to the outside world – all in a 3D-capable model.

This not only provides visibility into the assets used to deliver various services to customers, but also helps pinpoint loading and clearances on poles, the availability of ducts, opportunities to use abandoned pipes as conduit and more. This allows a utility to proactively manage its networks to optimize asset performance and make operations more efficient.

Easily handle a multicommodity network

Utilities and communications companies around the globe have different needs, but all of them, even if they only supply one commodity to their customers, need to be able to model multiple networks in a single system.

For example, a gas or water utility must model the flow of the product, as well as the flow of electricity for cathodic protection. Similarly, an electric utility not only models the electric network, but also the manholes, ducts, poles and strands that have their own

connectivity. They might also have their own communications network for monitoring devices in the field and data lines between stations.

The accurate model provided by this solution gives you valuable insight into your assets' locations, their surroundings and the interplay between them. A unified data-driven approach to asset optimization can transform your network and offer insights that individual systems cannot expose.

Features and benefits

Scalability: Scale to your network needs as the utility adds more commodities or deploys internal networks

Integration: Integrate all interfaces in a single solution

Unified view: Get a unified view, online or offline, of your data

Asset management: Understand your asset characteristics and manage each asset class through its entire lifecycle

Versioning: Manage multiple network scenarios and evaluate cross-network dependencies

Shared structures: Manage multiple commodities on shared structures, without the need to duplicate structures in a separate system

Shared objects: Gain support for shared objects like premises or addressing in the model

Business rules: Allow network designers to validate inter-commodity design rules

Simplification: Make network validation easier

Topology view: See the true relationships between assets – more than just graphically

Access control: Allow visibility to all networks in a single system, but maintain control over who gets to view and make changes to each

Single vendor: Enjoy full support and integration services from one solution fully offered by one vendor

Explore Octave NetWorks Portfolio

About Octave

Octave is a leader in enterprise software, turning data into decisive action and intelligence into your edge. Our software solves for and simplifies complexity, from the design and build to operations and protection of people, property and assets – for any scope, at any scale. For decades, we've partnered with customers to sharpen performance, elevate efficiency and amplify results. From factory floors to entire cities, our solutions are tuned to scale up what's possible from day one onward.

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