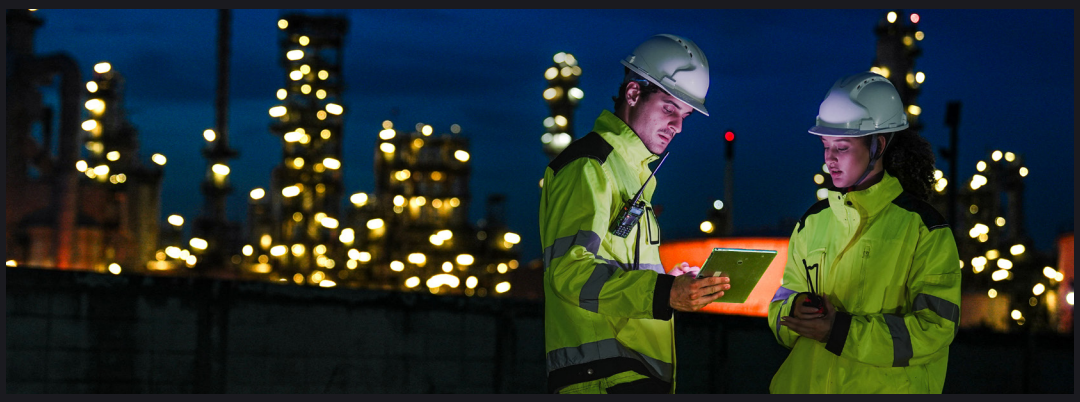
PRODUCT SHEET

Octave Networks Core | Portal

Network model information and tools the whole business can use, even on the move



As part of the Octave Networks portfolio (formerly the HxGN NetWorks Porfolio), Networks Core | Portal enables network operators to improve efficiency, enterprise awareness and data quality.

Across the business and beyond, you can securely search, visualize, analyze and update definitive network information via accessible and easy-to-use browser-based clients.

The portal and supporting web services use Networks configuration and capabilities to ensure conformance with corporate standards, while expediting deployment and reducing development and ongoing maintenance costs.

Universal network insight

Almost every area of a utility or communications company's operations needs access to current, reliable network information, as well as tools to exploit it.

However, finding a solution suitable for universal use is a challenge. Specialized network engineering tools are too complex and costly for general deployment, while web- mapping tools only deliver basic map information and simple spatial functionality.

Portal balances both – it is simple enough for anyone to use but is also capable of handling advanced network workflows. Accessed via standard browsers – using desktops, laptops or tablets for Windows, iOS and Android – it has a responsive user interface for effective operation across platforms.

Network analysis and visualization

With Portal, users throughout the business can access and exploit the richer information and capabilities inherent in the network model, including traversing complex feature relationships, navigating to linked information and leveraging capabilities of Networks products. These include:

- Intelligent detail and schematic views for easy browsing and editing in locations with dense concentrations of assets and features
- Network traces that give essential insight and understanding of the connectivity, status and relationships among the multitude of features that make up a network

Single source of truth

By providing secure, universal access to definitive information, Portal allows the entire organization to base decisions on the same view of the network – reducing the risk of events such as accidents, damaged infrastructure or project overruns. By enabling more business functions to access, visualize, redline and edit network records, Portal helps reduce errors, inconsistencies and latency in data. It allows operators to get closer to maintaining an "as-operated" view of their networks.

Business logic

The consequences of uncontrolled access to core asset records are nearly limitless. A prerequisite of any enterprise system is the ability to easily and reliably control the information each user has access to and what tools or processes can be applied to it. By using existing resources established by Networks products – such as role-based access control, legends, graphic symbology and traces – Portal can ensure adherence to corporate standards while removing the cost and effort required to recreate and maintain equivalent capabilities in an alternative tool.

Extended enterprise support

Network operators increasingly rely on business processes that extend beyond their immediate organizations. Manual interfaces with third parties introduce delay, processing overheads and data errors, while blocking management oversight and tracking. Portal empowers operators to provide secure access to network information beyond the enterprise, including the ability to control data and functionality by roles. It can offer fast, efficient and reliable support for contractors and service delivery partners, check-before-you-dig services, public safety agencies and more. There's even a streamlined consumer interface for public-facing requirements.

Simplified administration

The scope of end-user capabilities delivered by Portal, combined with the range of supported platforms and operating systems, enables diverse use cases and user requirements to be met using a single solution. Its ability to use business rules established in NetWorks products and centralized administration simplify demanding tasks such as managing access control and client software across a large user base.

Client functionality

- **Review, edit, capture:** Edit and add graphical records for greater positional accuracy; navigate and edit attribute records using metadata definitions based on permissions
- **Network traces:** Run traces and visualize results in the map view with a rich selection of symbology overrides, allowing you to highlight results when viewed with different maps
- **Query and analysis:** Utilize generic attribute queries, spatial queries or spatial analysis
- **Graphic display:** Render records as maps using WMS, WMTS or vector service that delivers the same graphic symbology an HxGN NetWorks Core user would see
- **Detail and schematic views:** Experience clearer visualization and easier editing in locations with higher densities of map features
- **Data mashup:** Gain greater insight by viewing and analyzing network records against other sources – both internal and external – from engineering drawings and customer locations to consumer mapping and weather maps
- **Navigation:** Save and recall the current map view and take advantage of support for 3D viewing and a full set of measuring tools
- **Printing:** Define format, page size, scale, DPI and orientation; choose pre-defined templates, with configurable title and textual fields, and relocate the effective print area in the map view
- **User interface:** Enjoy a touch -enabled, responsive UI that adapts to client needs.

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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