BROCHURE

Octave NetWorks portfolio

Enterprise geospatial asset management for utilities and communications

Utility and telecommunication providers need to increase efficiency and enable intelligent operations today, as well as transform to unlock new business value and opportunities for tomorrow. Unfortunately, legacy solutions cannot keep pace with changing technology and market dynamics.

Organizations are quickly realizing outdated Geographic Information System (GIS) solutions and inaccurate physical network models limit their ability to improve services, increase resiliency and ensure sustainability.

Octave NetWorks (formerly HxGN NetWorks) is a portfolio of solutions that help companies perform and transform their planning and operations through a digital twin of their physical networks, topology and assets.

Get to know the portfolio

NetWorks is a flexible and integration-ready enterprise geospatial asset management solution that provides a single source of accurate, up-to-date information and a full spectrum of tools for different users across the business. It is used by more than 600 customers around the world to design, build, manage and maintain physical networks, including electric, gas, water, wastewater, multiutility and communication.

More specialized toward utilities and telecommunications providers than generic, pure-play GIS solutions and more sophisticated than outdated utility GIS solutions on the market, NetWorks intuitively responds to the needs of each phase in the asset management lifecycle, including:

- Planning: Provide a robust model of the proposed and as-built network and share that data with other tools to perform planning and analysis
- Design: Leverage configurable business rules to ensure connectivity is maintained and quality assurance/quality control (QA/QC) checks are performed during the design phase
- Construction: Deliver digital designs to construction crews to track materials used and note as-built changes that differ from the designs
- Operations: Provide accurate, up-to-date physical network models to operational systems to ensure resilient operations
- Maintenance: Equip teams with the tools to perform network analysis and asset inspections

NetWorks includes pre-configured modules for utilities and telecommunications networks that allow quicker implementations and deployments when digitally transforming your organization. Its composable architecture and API-first approach enable quick and easy integration with other systems, such as ADMS, EAM, CIS, DERMS and mobile workforce management that depend on an up-to-date, accurate depiction of the network. And its fully digital toolset supports workflows from the field to the office through desktop, web and mobile support.

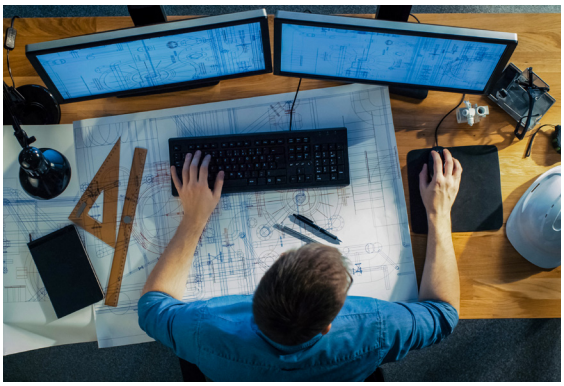
Cloud ready

Many utilities and communications companies are adopting cloud-based solutions to reduce capital expenditures and increase operational agility. NetWorks in the cloud, a fully managed SaaS solution, allows access to advanced software and infrastructure without having to invest in hardware or software licenses upfront.

NetWorks in the cloud provides all the features and functionality of an on-premises solution with the convenience, security and processing power of cloud architecture. The fully managed solution is bundled together with cloud technology from Oracle. Moreover, it is also available as a hybrid solution with Microsoft.

Octave is the only vendor with a fully managed SaaS solution.

Solution suites



NetWorks Core
The prerequisite for all NetWorks deployments, NetWorks Core includes core database, desktop client and administration capabilities.

NetWorks Web Services
NetWorks Web Services extends workflows across the enterprise by enabling other applications to integrate with NetWorks Core.

NetWorks Interface
NetWorks Interface is a web client that allows users to perform create, read, update and delete (CRUD) operations in the field.

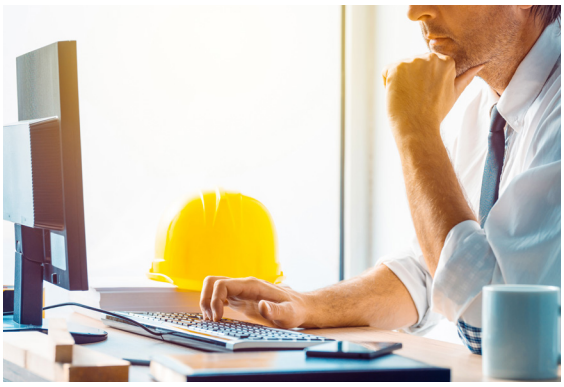
NetWorks Framework
NetWorks Framework is a web portal that allows users to build simple field workflow applications.

NetWorks Mobile Workforce
NetWorks Mobile Workforce provides access to data in the field via disconnected mode.

NetWorks Comms
NetWorks Comms are preconfigured modules that streamline fiber network engineering processes and deliver an operations-ready network model.

Solution suites (continued)

NetWorks Utilities
NetWorks Utilities are preconfigured modules and capabilities for gas, water, electric, multiutility and other networks.



NetWorks Data
NetWorks Data are modules for analyzing, reporting and exporting data in the NetWorks Core database.

NetWorks B4U Dig
NetWorks B4U Dig is an application to coordinate “call before you dig” actions among utilities and with customers.

Benefits

- **Industry specific:** Built specifically for utilities and telecommunications providers
- **Market tailored:** Features pre-packaged modules for electric, gas, water/wastewater, multiutility and fiber networks
- **Fully digital:** Provides a paperless solution
- **Unified inventories:** Delivers a single source of truth for a physical network, topology and assets
- **Integrated workflows:** Integrates easily with other systems via its composable, API-first architecture
- **Accurate digital twins:** Ensures robust modeling for network planning and data quality for network design
- **Cross-functionality:** Supports inside plant (ISP) and outside plant (OSP) functions
- **Versatile delivery methods:** Supports field-to-office work via desktop, web and mobile support
- **Backed by experience:** Leverages Octave's more than 45 years of relevant industry experience

NetWorks supports key company needs

- **Electric:** Just-in-time (JIT) maintenance
- **Gas:** Leak detection and safety
- **Telecommunications:** Fiber-to-the-X (FTTX) complex modeling
- **Water/wastewater:** Shut-off processes
- **Multiutility:** Complex multiple utility operations

Contact us to discuss how you can benefit from the 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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