

HxGN NetWorks portfolio



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, their legacy solutions cannot keep pace with changing technology and market dynamics.

Organizations are quickly realizing outdated GIS solutions and inaccurate physical network models limit their ability to improve services, increase resiliency and ensure sustainability.

HxGN NetWorks is Hexagon's 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

HxGN NetWorks is a flexible and integration-ready 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 600 customers around the world to design, build, manage and maintain physical networks, including electric, gas, water, wastewater, multiutility and fiber.

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toward utilities and telecommunications providers than generic, pure-play GIS solutions and more sophisticated than outdated utility GIS solutions on the market, HxGN NetWorks intuitively responds to the needs of each phase in the asset management lifecycle, including: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

HxGN 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.

Available in the cloud

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

HxGN 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.



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

Solution suites

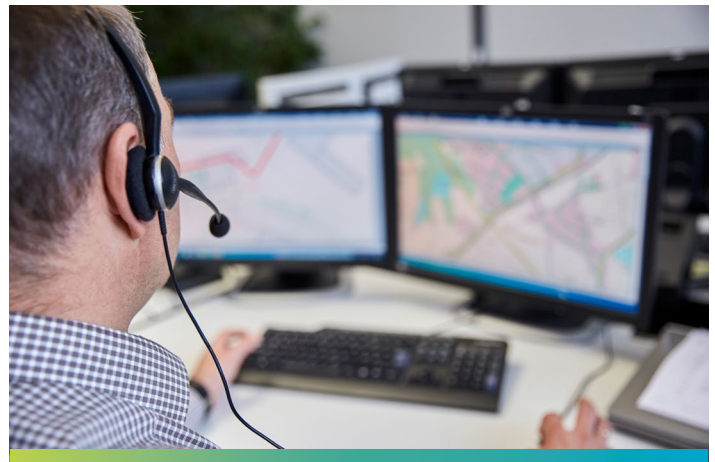
HxGN NetWorks Core

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



HxGN NetWorks Web Services

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



HxGN NetWorks Interface

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





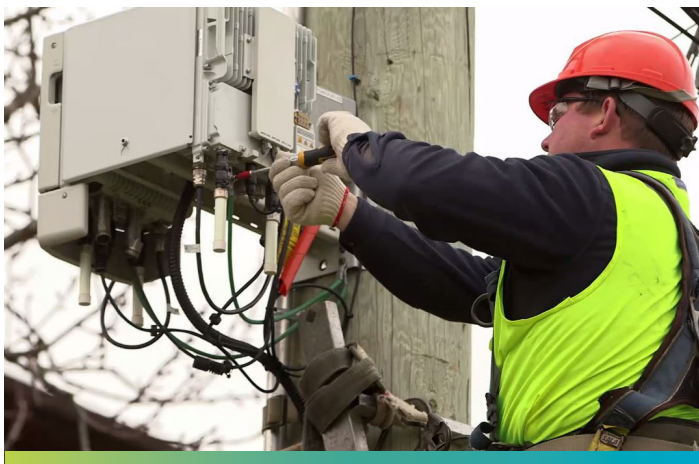
HxGN NetWorks Framework

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



HxGN NetWorks Mobile Workforce

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

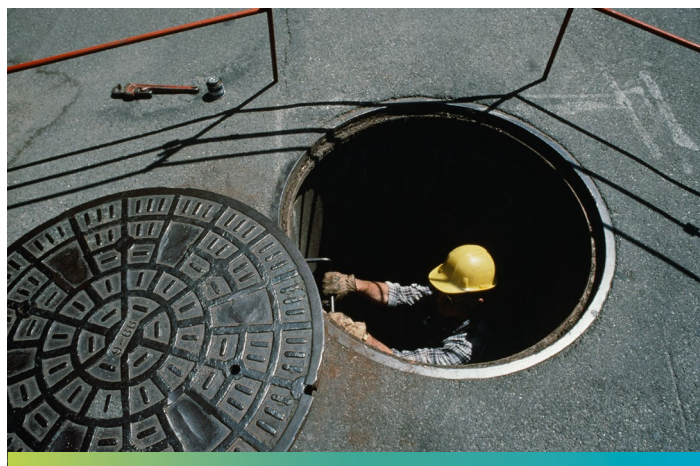


HxGN NetWorks Comms

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

HxGN NetWorks Utilities

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



HxGN NetWorks Data

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



HxGN NetWorks B4U Dig

HxGN 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 Hexagon's more than 45 years of relevant industry experience

HxGN 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 HxGN NetWorks portfolio.



Hexagon is the global leader in digital reality solutions, combining sensor, software and autonomous technologies. We are putting data to work to boost efficiency, productivity, quality and safety across industrial, manufacturing, infrastructure, public sector, and mobility applications. Our technologies are shaping production and people-related ecosystems to become increasingly connected and autonomous – ensuring a scalable, sustainable future.

Hexagon's Safety, Infrastructure & Geospatial division improves the resilience and sustainability of the world's critical services and infrastructure. Our solutions turn complex data about people, places and assets into meaningful information and capabilities for better, faster decision-making in public safety, utilities, defense, transportation and government. Learn more at hexagon.com and follow us [@HexagonAB](https://twitter.com/HexagonAB).