

Transforming Utility Data into Insights for the Next Generation

For more than a century, HDR has partnered with clients to shape communities and push the boundaries of what's possible. Our expertise spans 10,000 employees, in more than 200 locations around the world — and counting. Our engineering, architecture, environmental and construction services bring an impressive breadth of knowledge to every project. Our optimistic approach to finding innovative solutions defined our past and drives our future.

One of our strengths is combining GIS professionals with engineers, working hand in hand with our clients to integrate innovative solutions while leveraging the Esri platform. HDR has significant experience working with electric utilities. We're the No. 9 firm in ENR's "Top 25 Transmission & Distribution Plants" ranking.

As an Esri gold-level partner for more than 20 years, our team helps you maximize your technology investment. Esri, the global leader in geospatial software, has identified us as one of the few partners with the capabilities and qualified experience to receive the Utility Network Management and ArcGIS Online specialty designations.



Utility Network Management
Specialty



ArcGIS Online
Specialty



MODERN UTILITY SYSTEMS ARE COMPLEX

The ArcGIS Utility Network is an industry-standard solution for the next generation that supports complex networks, providing a more accurate system of record that's viewable by the entire organization and mobile workforce from a dashboard or mobile device to make real-time decisions. The network provides the foundation for a more intelligent enterprise that supports the industry's investment in grid modernization to enhance safety, reliability, resilience, regulatory compliance, security and affordability.



Access to authoritative information in real time.

The utility network is a digital twin that can be accessed on network-connected devices in real time. The data models are flexible and scalable, with the ability to model both vertical and horizontal assets at high resolution.

Network-enabled data model.

The utility network models assets as they exist. It understands connectivity, modeling impacts to assets and customers due to outages or unanticipated events in the field.

Integration.

The utility network integrates with other enterprise systems, providing access to documents and additional asset information via user-friendly Esri map and dashboard applications.

GET STARTED WITH UTILITY NETWORK

How will your utility benefit from the utility network? Our team of industry experts helps you answer that question, develops a road map and implements the solution that works for your organization.

1

Technology Needs Assessment

- GIS program review
- Stakeholder engagement
- System integration benefits
- Technology road map

2

Digital Transformation

- Migration strategy
- Paper-to-digital workflows
- GIS system model update to Utility Network

3

Implementation

- Secure platform
- Network configuration
- Change management
- Training and support

4

Innovation

- Strategic planning
- ROI reporting
- Network tracing
- New technology
(3D, VR/AR, IOT, Big Data, AI)