



Connectivity for monitoring and control of grid assets using your existing infrastructure

Utilities are faced with a growing number of assets deployed to the grid by customers, private entities and the utility themselves, such as:

- ▶ Electric vehicles and charging stations
- ▶ Energy storage systems and microgrids
- ▶ Large and small-scale distributed generation
- ▶ Fault detectors / locators
- ▶ Above-ground and under-ground transformers
- ▶ Other high-value critical assets

Utilities need cost effective and reliable methods to connect, monitor and control grid assets without requiring radical changes to existing infrastructure in order to maintain grid stability and comply with evolving security standards. Prolucid's energy products and solutions ease the adoption of modern smart grid and clean energy technologies while requiring minimal investment in infrastructure, software or training.

Products

Intelligent Node

Low-cost device which enables bi-directional communication to new, existing and legacy assets. Two types of nodes are available:

▶ **Communication Node**

Uses the DNP3 protocol to connect and control any grid assets from any vendor with minimal infrastructure investment.

▶ **Monitoring Node**

Provides electrical power quality monitoring of grid assets to help utilities maintain grid stability and find faults.

Solutions

Asset Monitoring

Wide area asset monitoring solution for data collection, event detection, fault identification and condition monitoring to support planning of asset replacement before problems occur.

Distributed Generation Optimization

Software, hardware and connectivity system for increasing levels of distributed generation beyond fixed limits through active network management, forecasting and distributed control.

Services

Systems Integration

We can help you design and deploy an Intelligent Node network for scalable, reliable and secure asset monitoring with bi-directional communications to SCADA.

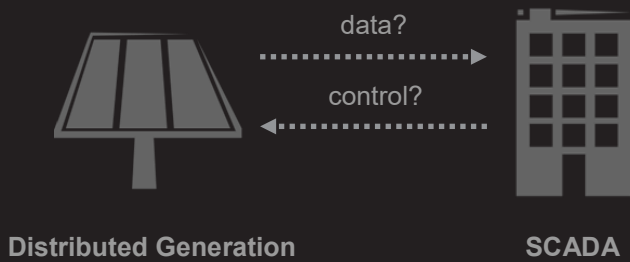
Data Transformation and Integration

We are utility communication protocol experts. We can help translate device data from one protocol to another to simplify your systems.

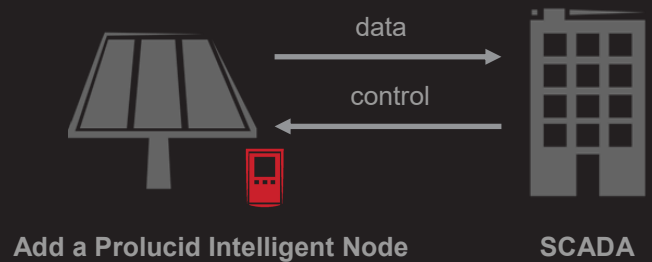
For more information, contact us at:
info@prolucid.ca

How does it work?

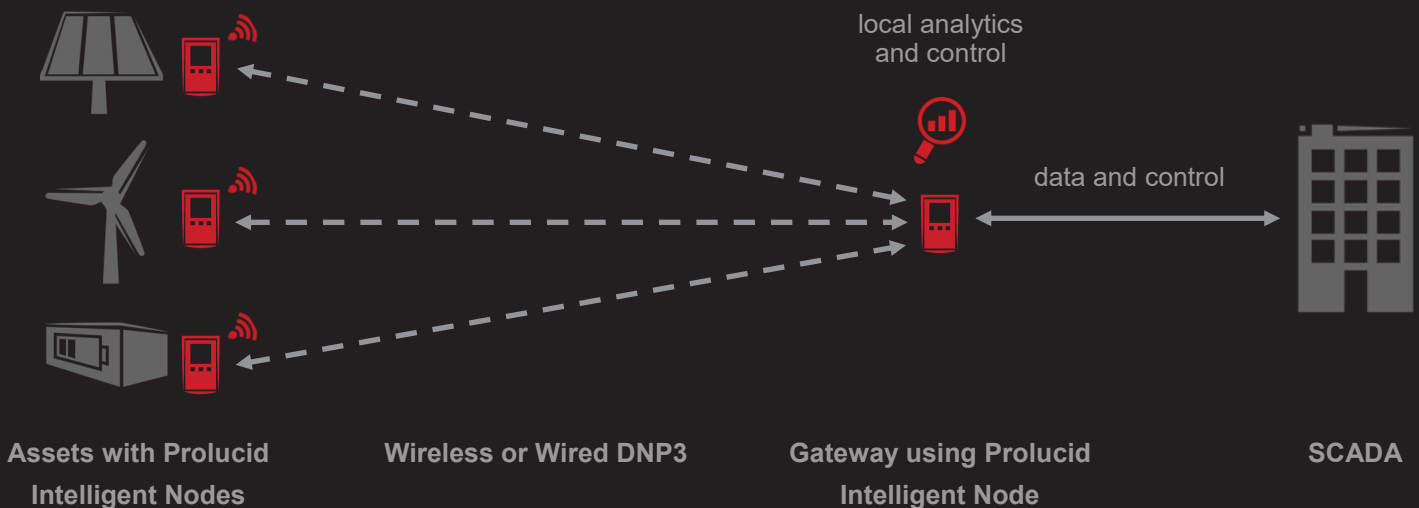
► We take unconnected assets



► Connect them for data and control



► Connect multiple assets to perform local analytics and in-field control



Who are we?

Founded in 2008, we are software and connectivity experts who provide solutions serving industrial and regulated markets where reliability, interoperability and security are critical. We use the latest technologies to solve connectivity problems and work with our customers to help deploy them to their systems. Some other industries we serve include:

- Medical Devices
- Agriculture
- Transportation
- Infrastructure
- Manufacturing

We work with small-to-medium sized companies as well as large multi-national organizations in highly regulated industries and understand the complex requirements for success. With offices in Mississauga, Ontario and Calgary, Alberta — Prolucid has extensive experience working with and supporting customers across North America.

For more information, visit us at www.prolucid.ca