

Grid Integration of Smart Photovoltaic (PV) Inverters

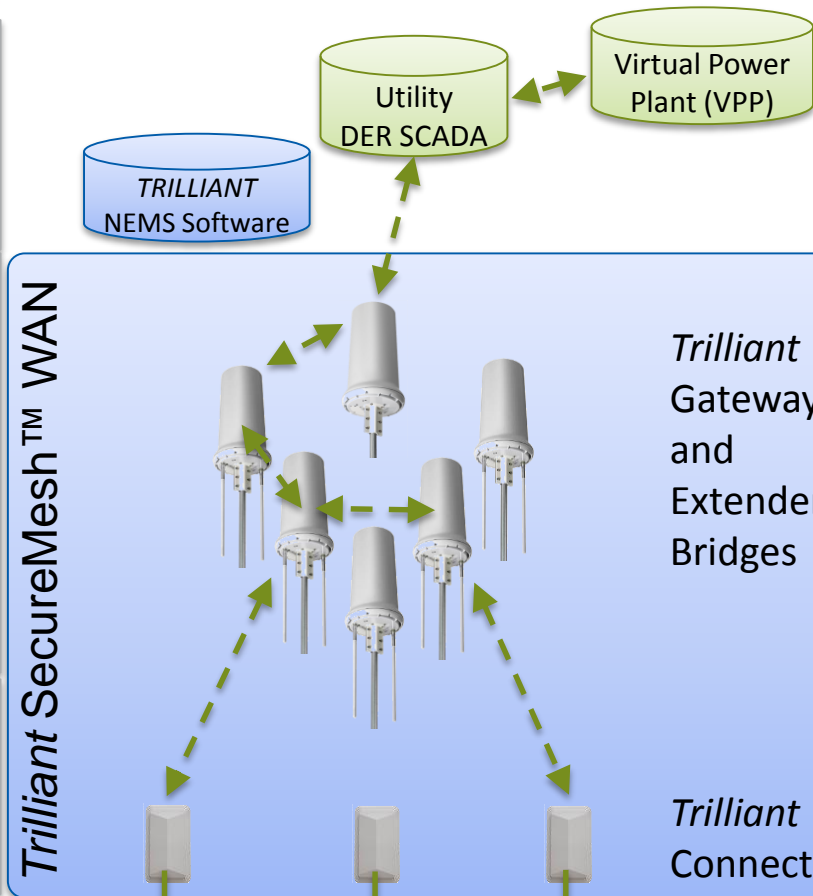
Trilliant SecureMesh™ WAN Field Communication



Utility Intranet / Backbone Network

Utility Field Area Network / Wide Area Network (WAN) / Backhaul Network

Utility Access Network / Last Mile



Trilliant
Gateways
and
Extender-
Bridges

Trilliant
Connectors

- ✓ Energy industry grade communication
- ✓ Globally proven solution
- ✓ 54 Mbit/s airlinks, <7 ms latency over ≈ 10km line-of-sight links
- ✓ Lowest OPEX and TCO through license-free 5 GHz spectrum worldwide
- ✓ Ethernet and IP based
- ✓ Seamless Grid Integration for Distribution Automation and Smart Grid Applications
- ✓ Supports IEC 61850, GOOSE, Modbus-TCP, DNP3, SCADA over IP, Serial over IP
- ✓ Modern Network incl. Cyber Security, Virtual Private Networks, High Encryption
- ✓ Enables Smart City Applications
- ✓ Self-healing communication paths

