ABB Wireless
Utility architecture diagram

Tier 1
- Private fiber
- Public fiber
- Broadband PTMP
- Narrowband PTMP
- Broadband mesh
- Narrowband mesh/PLC
- Cellular data

Tier 2
- Core IP network between data center and substations
- Substation
- Mobile data
- Capacitor bank
- Faulted circuit indicators
- Field area network (FAN)
- Feeder
- Recloser
- Voltage regulator
- AMI collector
- Pad-mounted transformers and service lines
- Manhole
- Underground distribution vault
- Conduit

Tier 3
- AMI system

Legend:
- MDMS = meter data management system
- DMS = distribution management system
- GIS = geographic information system
- IVR = interactive voice response
- OMS = outage management system
- VPN = virtual private network
- DNS = domain name system
- AAA = authentication, authorization and accounting
- DHCP = dynamic host control protocol
- IDS = intrusion detection system
- PTMP = point-to-multipoint
- PLC = power line carrier