



JDSU Smart Grid Test Solutions

Key Features


- Ensure efficient and reliable installation and operation of the grid
- Troubleshoot and monitor life cycle issues for existing and aging equipment
- Maintain service and transition to next-generation capabilities (Fiber and Ethernet/IP)

Applications

- Enables smart metering, grid automation, and substation modernization
- Ensures new communications-based services throughout network
- Supports Ethernet/IP, fiber, and copper
- Standards-based validation, including IEEE 1588v2, IEC 62351, IEC 61968, and IEC 61850


Growth in energy demand will continue to outpace growth in supply for the foreseeable future, which is just one of several major factors driving the need for a smarter, more modern electric grid. Communication networks are a fundamental building block and key enabler of the Smart Grid that spans transmission and distribution systems and ultimately, reaches into the home/business. Migration to newer communications infrastructures, such as fiber to replace copper and Ethernet/IP and/or Multiprotocol Label Switching (MPLS)-based networks to replace legacy Time Division Multiplexing (TDM) architectures, is a vital element of Smart Grid evolution. In an effort to meet the needs of this evolutionary process, JDSU created Smart Grid test solutions that can verify and ensure the low-latency, low-loss, and error-free flow of critical grid-related information across the network.

JDSU offers a flexible range of solutions that support electric grid communications and Smart Grid-related network installation and maintenance. Find a distributor or contact us today at broadbandatwork@jdsu.com.




★ **Fiber**

- LTS
- OTDR
- Inspection
- VFL
- Fiber Identifier



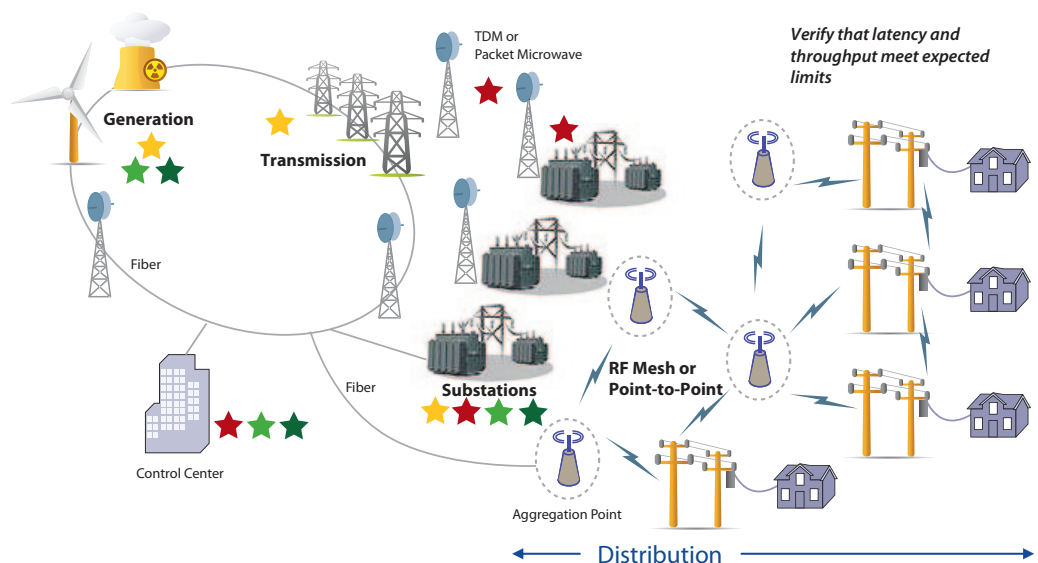
★ **WAN**

- Fiber or microwave
- Ethernet or TDM



★ **Protocol**

- SCADA over IP
- IEC 61850
- LAN
- Hardened LAN
- IP Camera systems
- PoE



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T-BERD® 4000

The T-BERD 4000 is a small compact handheld test platform designed for all phases of the network life cycle, such as the installation and maintenance of Access/FTTx (various fiber) networks and triple-play services. The modular design of the T-BERD 4000 offers field service technicians the highest performance and superior levels of scalability and upgradeability.



SmartPocket™ Optical Meters

SmartPocket Optical Meters combine affordability with flexibility to enable and simplify basic optical power and insertion loss testing.



Fiber Inspection Solutions

The flexible array of fiber inspection solutions eliminates what is typically the greatest cause of fiber problems—dirt and/or contamination on fiber connectors—through easy inspection to ensure that connectors are clean and free of damage.



HST-3000C Network Tester

The HST-3000C Network Tester provides a modular migration path that spans the testing of legacy analog and TDM (DDS, FT1, frame relay), T1, and DS3 to Ethernet. The HST-3000 also performs copper physical layer tests, such as TDR and noise, through IP service testing, including VoIP and IPTV.



SmartClass™ Ethernet

The JDSU SmartClass Ethernet provides a cost-effective Ethernet tester for basic cable, Layer 2/3 traffic generation, and RFC2544 testing. Rugged, easy to use, and battery operated, it enables field users to rapidly turn-up and maintain Ethernet and IP services.



ValidatorPRO-NT™

The ValidatorPRO-NT provides all-in-one copper, fiber, and wireless testing with Ethernet speed certification, integrated optical power meter, power over Ethernet (PoE), and wireless 802.11b/g/n. It is ideal for substation local area network (LAN) and IP security camera cabling and network testing.



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