

NTS Services Spotlight: Energy

Smart Grid Testing



NTS has extensive experience with a variety of smart grid/smart energy product testing. Let us help get your product to market or verify the equipment you're planning to roll-out!



For the latest Smart Grid news, visit <http://smartgrid.testing-blog.com/> or follow us on Twitter at http://twitter.com/NTS_SmartGrid

National Technical Systems

5736 Buckingham Parkway
Culver City, CA 90230

www.nts.com | 1.800.270.2516
sales@nts.com

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Smart Communications Experts

NTS is uniquely situated to assist developers, manufacturers, and utilities in the roll-out of smart grid solutions. As an engineering services and testing provider, NTS has extensive experience in the communications arena in particular. NTS regularly performs testing on a variety of Smart Energy/Smart Grid products with a focus on the communications functionality of these products.

We can cover the latest products and protocols, including:

- ▶ Smart Meters
- ▶ Smart Outlets
- ▶ Thermostats/In-Home Displays
- ▶ Smart Appliances

As a total solutions provider, NTS can perform testing with not just the communications/networking protocols, but NTS can also a wide range of supportive testing, such as:

- ▶ Reliability Testing (repetitive on/off, etc.)
- ▶ Environmental (temperature, humidity, sand/dust, rain, etc.)
- ▶ Safety Testing (EMI/EMC)
- ▶ Regulatory (FCC, CE, Japanese, TELEC, etc.)
- ▶ Accuracy (ANSI C12.1/ C12.20, etc.)
- ▶ Portal Testing (web, backhaul, field, etc.)

In addition, NTS can also assist with field trials, the development and execution of custom certification programs, and even in the creation of your own testing lab through a build-operate-transfer (BOT) project. If you need assistance with your smart grid projects, just give us a call!

Standards Based Testing

NTS is working diligently to keep up with the latest standards being selected for worldwide compliance for Smart Grid products, including the NIST "foundational smart grid standards, including: IEC 61970 & IEC 61968, IEC 61850, IEC 60870-6, and IEC 62351, as well as hardness standards, such as IEEE-1613.

Contact Us

For more information or to discuss your specific needs, please contact:

Michael Bailey Smith
Business Development
National Technical Systems
Phone: (310) 641-7700
Email: smartgrid@nts.com

About NTS

National Technical Systems is a trusted partner that helps organizations to access domestic and international markets. We are your single source for a full range of integrated engineering solutions, product testing, standards compliance, project management, and managed services. Globally accredited by leading regulatory agencies, NTS can provide cost-effective programs to meet your requirements — at your site, or at one of our many US or international facilities. NTS is the nation's largest independent standards compliance and product testing company, serving companies within the aerospace, defense, automotive, wireless and telecommunications, electronics, energy, medical device, software, and hardware markets.