



# Utility Systems & Services

Capabilities Overview



## Overview

NovaTech has been successfully designing, delivering, and supporting utility systems and services for over 30 years.

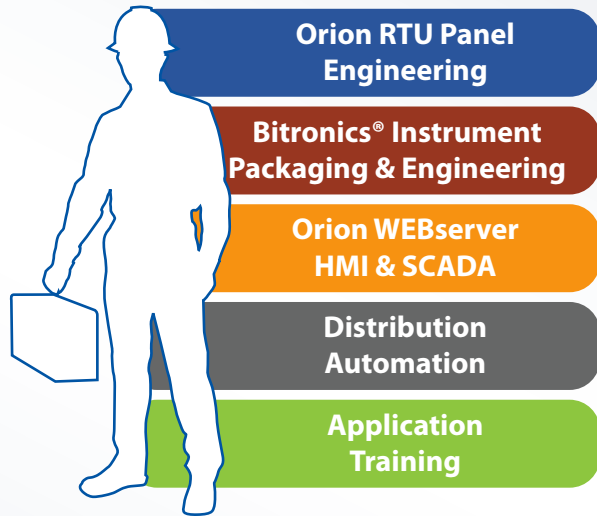
The Utility Systems and Services staff in Lenexa, Kansas includes project engineers, SCADA engineers, panel assemblers, software engineers, quality engineers and training instructors. The Lenexa staff works with other NovaTech locations – in Bethlehem, PA; Owings Mills, MD; Aiken, SC; Shelby, NC and Quezon City in the Phillipines - to coordinate field installation and commissioning.

Our 37,000 square foot facility in Lenexa features a professionally designed climate controlled manufacturing area, state of the art testing laboratories, and fully equipped engineering areas.

## An Extension of Your Organization

NovaTech engineers can work under the supervision of a utility engineer as an extension to the utility organization. Whether on a first project to get utility engineers up to speed or on a longer term contract to provide engineering services, NovaTech enables customers to get up the learning curve faster and to accelerate project schedules.

## Services At-A-Glance



**“We’ve used NovaTech to provide turnkey Distribution Automation engineering, panel manufacturing, and onsite commissioning and testing, all of which has worked well for us.”**

-Elton Veenstra, Manager of Engineering and Operations Systems, Green Lakes Energy

## Orion RTU Panel Engineering

NovaTech Orion RTU panels are custom-designed to meet specific customer requirements, and typically include Orion-based automation, third-party IEDs, HMI, communication gear, power supply, terminal strips and optional battery monitor. NovaTech will take full responsibility for configuration of all equipment and testing prior to shipment.

### Services Include

- Panel design
- Third-party equipment procurement
- Panel assembly and wiring
- Factory Acceptance Test
- Onsite installation and commissioning
- Documentation
- Training
- Project Engineering



Panel fabrication at our Lenexa facility



Large Orion-based RTU panel with Orion I/O

**We've standardized on NovaTech Orions as our Smart RTU platform to communicate with relays and DDIOs, to download and archive fault records from feeder and line relays, to provide webpages for our local touchscreen HMIs, and to supervise and verify our controls with logic. We use NovaTech programming and integration resources occasionally to augment our own in-house resources.**

-Jeremy Anderson, Automation Engineer III, Tucson Electric Power



## Bitronics Instrument Packaging and Engineering

NovaTech can provide Bitronics instruments packaged, wired, configured and ready for installation, complete with display, clock, isolation switch, mounting hardware, etc. Upon request, NovaTech will create a special, single part number for the entire "standard" assembly to simplify order placement.



Bitronics instruments packaged and wired by NovaTech



Front and rear views of M571 and remote display mounted to panelboard



Small Orion-based RTU panel with optional 48V dc NovaTech Battery Monitor





## Other NovaTech Products and Services



### D/3<sup>®</sup> DCS

Open, configurable, and highly reliable, the D/3<sup>®</sup> Distributed Control System (DCS) provides continuous and batch process automation worldwide. The D/3 DCS combines state-of-the-art features like Online Upgrades with a guaranteed migration path unmatched by any other process automation supplier.



### Engineering Services

NovaTech provides custom hardware engineering, SCADA integration, panel engineering, Orion configuration, substation automation system design, HMI and SCADA configuration, and on-site commissioning support.



### Orion Automation Platform

Orion provides rapid integration and secure SCADA and engineering access to substation IEDs. OrionLX and Orion Distributed I/O can be used with the 70 Series IEDs to provide a distributed RTU with a web-browser interface and automatically consolidate high resolution fault and disturbance recordings.



### Bitronics<sup>®</sup> Electric Power Measurement and Recording Products

From traditional SCADA monitoring to distributed event recording, Bitronics Power Measurement and Recording Products have set the gold standard for reliability in the electric utility substation for decades. 70 Series IEDs are IEC 61850-compliant and ideal for integrating intermittent renewables like wind.



## About NovaTech

With more than 30 years of experience, NovaTech is a proven supplier of solutions for process automation, electric power measurement and substation automation. NovaTech products and services are designed around open automation standards and latest technologies – this provides customers with long product life cycles and superior long-term value. We are committed to improving and expanding our solutions with a level of versatility and ease-of-use unmatched by the competition.

For more detailed information on NovaTech products, services, or electric utility customer references, contact the NovaTech representative in your area, email [info@novatechweb.com](mailto:info@novatechweb.com) or call us at **800.253.3842**

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