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NovaTech LLC
Volume 11
Winter 2015

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2014 UTILITY TECHNICAL SYMPOSIUM SERIES

Please stay tuned for locations and dates for the 2015 technical symposium series. This valuable series focuses on customer application papers and tutorials on Cyber Security, IEC 61850, IEC 61131-3, PRC-002 Recording and web-based SCADA and HMI. Certificates will be provided to attendees for the non-commercial application and training portion of each symposium; typically four to six hours.

Register for all upcoming events and webinars online
<http://www.novatechweb.com/events/>

LATEST SOFTWARE

Orion5/5r Firmware Version: 1.41.0

OrionLX Release: 8.5

Orion NCD3 Version: 3.27

Bitronics M87x firmware: v4.08.2

Bitronics 70 Series Configurator: v4.06

Bitronics M57x firmware: v4.08.2

Bitronics 50 Series Firmware: v3.09

Bitronics 60 Series Firmware: v2.00

BiView: v3.04



Best Wishes for the New Year!

FROM ALL OF US AT NOVATECH

NovaTech Services Extend to the Edge of the Continent.

Keys Energy Services ("KEYS" in Key West, FL) recently embarked on a program to upgrade critical RTUs and substation communications (to Ethernet fiber) as part of a disaster recovery and back-up control center project.

KEYS selected the OrionLX as their new RTU and contracted the NovaTech Systems Group for the following services: Design and fabricate five RTUs, configure RTUs, install RTUs in KEY substations, commission and integrate with KEYS operations and control center.

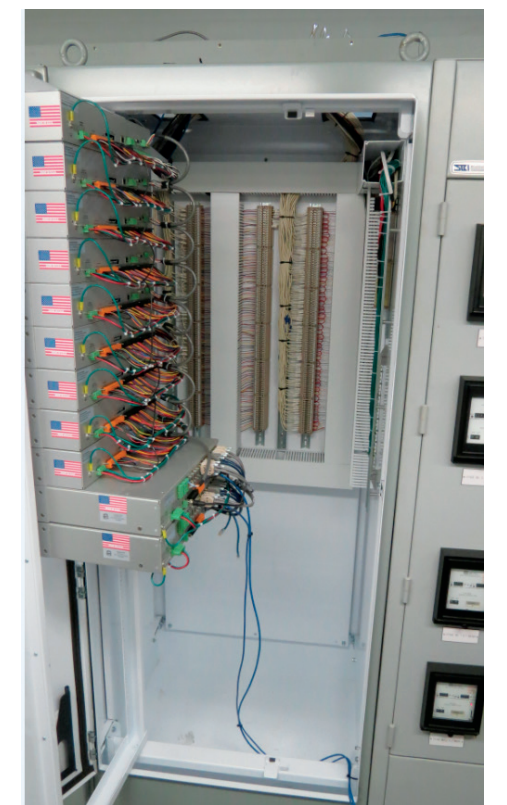
NovaTech maintains the ability to provide a full range of competitive systems engineering, RTU and relay panel fabrication, on-site installation and commissioning services in support of our clients' specific project requirements. These systems and services offerings now make up about half of the NovaTech substation automation business and over three dozen US utilities now use NovaTech-designed RTUs.

About Keys Energy Services (KEYS)

Keys Energy Services is the public power utility for the Lower Florida Keys. Headquartered in Key West, Florida, KEYS provides electricity from Key West to the Seven-Mile Bridge and serves more than 28,000 customers. KEYS is a nationally recognized Reliable Public Power Provider (RP3) by the American Public Power Association and a local leader with GREEN initiatives that help conserve energy and improve the environment.



Rob DePhillips, Keys Energy Project Engineer, pictured above in front of the new RTU cabinet located at Thompson Street Substation.



The new RTU cabinet located at Thompson Street Substation.

NovaTech Solutions at DistribuTECH

DistribuTECH 2015

February 3 - 5
San Diego Convention Center
San Diego, California
Booth 3631

Come visit NovaTech in San Diego and see the latest automation products we offer, including:

New I/O and Serial Cards for the OrionLXm

See the three new optional cards for the OrionLXm:

Discrete I/O Card

- 12in / 4out (two Form A and two Form C)
- One model supports both high range (125V dc) and low range (12, 24, or 48V dc)
- Monitored Output Circuit
- Up to two modules per OrionLXm

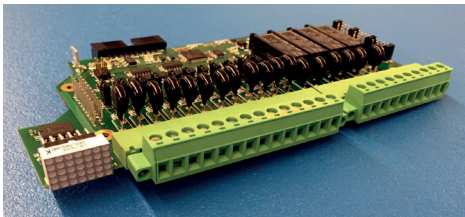
ST Fiber Serial Card

- Four ST Fiber ports
- Up to two modules per OrionLXm

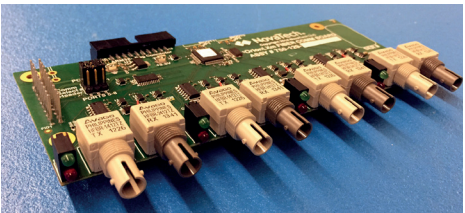
Bit Synchronous Card

- One DB9M bit synchronous port for Conitel, CDC and REDAC protocols
- Three RS-232/485 DB9F ports
- Up to two modules per OrionLXm

Discrete I/O Card



ST Fiber Serial Card



Bitronics 60 Series



NovaTech NERC CIP Cyber Security Solutions

Come see a working hands-on demonstration of the latest developments:

- NovaTech Connection Manager (NCM) making secure remote connections to SEL® relays and to the OrionLX
- NovaTech Identity Manager (NIM) supporting user groups, role-based access, and SEL relay password changes
- OrionLX Configuration Manager Agent transferring SEL relay settings to the PAS Cyber Integrity server

Bitronics 60 Series IEC 61850 SCADA Panel Metering Solutions

Come see the Bitronics® 60 Series of IEC 61850 SCADA Meters and Indicators designed to provide value and simplicity in SCADA metering applications. With advanced Ethernet communications, web-based configuration, rugged design and unmatched flexibility, the 60 Series reduces cost of ownership in all areas: configuration, integration, commissioning and spares.

The 60 Series builds upon the 50 Series but with the addition of IEC 61850 protocol. Following are the key features:

- Direct import of IEC 61850 CID files generated by off-the-shelf system configurator tools (SCTs)
- Fully-configurable Unbuffered or Buffered report generation for communication to other equipment
- Optional 100BaseFX fiber option with LC connector
- Supports DNP3 or Modbus TCP/IP Protocols as well, allowing for future upgrade to IEC 61850 if not currently employed
- UL certified, CE marked

NovaTech IEC 61850 Solutions

NovaTech offers the OrionLX exchanging IEC 61850 data with Bitronics 70 Series IEDs (M87x recorders and 878 High Density I/O). In addition, there is the new Bitronics M660 IEC 61850 SCADA Meter/Measurement Center.

Bitronics PowerPlex II Automation Transducer

The PowerPlex II is a new Ethernet Transducer built in the same package as the original PowerPlex Digital Transducer. Following are the key features:

- 24 V dc power supply with universal power supply planned
- Ethernet switch that allows pass-through to other devices
- Fast updates (1-cycle) – excellent for high speed control applications
- Two sets of three-phase voltage inputs – allows for synchronizing applications
- 600 V rms direct connect
- Modbus and DNP3 TCP/IP Protocol support
- UL certified, CE marked



Bitronics PowerPlex II

Bitronics Solutions for PRC-002 Recording

See a demonstration of Bitronics M87x recorders that provide a complete solution for all three parts of the standard:

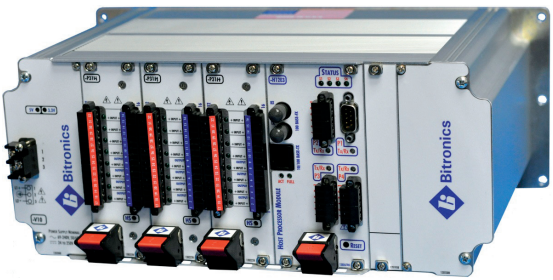
- Dynamic Disturbance Recording
- 4ms SOE Recording
- Fault Recording

See also our version of SoftStuf, Inc.'s Wavewin Device Manager software that works with Bitronics M87x Devices to automate and manage the retrieval of record files. Up to 2000 IEDs can be supported.

Bitronics 878 High Density Substation I/O

Come and hear about the Bitronics 878, a self-powered, high density I/O device that provides combinations of digital inputs, digital outputs and transducer inputs. All I/O is accessible via IEC 61850, DNP3 or Modbus protocols for substation equipment monitoring. Hear about how the 878 is being used with OrionLX in fast control applications. Come see how setup is easy with new version of the 70 Series Configurator. It offers an 878 mode that reduces the amount of options to be selected for basic setup, greatly simplifying and speeding up configuration. The 878 has international appeal with CE mark and supporting IEC 61850.

Bitronics 878 High Density I/O



NovaTech Packaged SCADA RTU Assemblies

Check out a complete free-standing OrionLX RTU assembly, including functional HMI, DDIO, DCIO and IEDs. Learn about NovaTech's capabilities to engineer, package, install and commission RTU assemblies.

