Salem Hospital Regional Health Service
Entellisys™ Low-Voltage Switchgear

End User
Salem Hospital Regional Health Service
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Salem, OR 97309-5014

Consultant
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Electrical Contractor
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Project Description
The Salem Hospital expansion will provide top-quality healthcare to the community for the next 50 years and beyond. It comprises a new patient tower, three new sky bridges that connect buildings, a new parking lot and the new Central Energy Plant (CEP), where the Entellisys equipment is located. The CEP provides the power needs for most of the campus. The hospital expansion will feature:
- Private, adaptable patient rooms
- Operating rooms become interventional suites
- Information technology plays a vital role
- Environmentally responsible healing environments
- Evidence-based design throughout
**Customer Needs**
The customer needed a solution that would focus on system safety and reliability, including:

- Provide a safe environment for maintenance personnel who need to work on the equipment by reducing the arc-flash hazard
- Allow monitoring and alerts of faults remotely so that downtime can be minimized
- Provide easy-to-understand diagnostic information so that a fault can be identified and cleared quickly
- Built-in selective coordination to minimize the impact of faults on the overall electrical power system

**Solution**
GE provided the Entellisys Low-Voltage Switchgear system and other equipment to meet the safety and reliability needs identified by the customer.

**System Solution**
- Entellisys Low-Voltage Switchgear
- Energy Commander™ Paralleling Switchgear
- POWER/VAC Medium Voltage Switchgear
- Evolution Series E9000™ Motor Control Centers
- Full start-up and commissioning services

The Entellisys system included the following options:
- A Near-Gear Human Machine Interface (HMI) to allow operators to work safer away from the live equipment
- Bus differential and dynamic Zone Selective Interlocking (ZSI)
- Waveform capture tool to make it easier to identify and correct faults
- Harmonic metering
- Remote monitoring and communication, including remote alarm indication