ReliaGear® ND Digital integrates innovative and unique technologies, enabling customers to meet current performance requirements, while adapting to the increased sophistication of future power distribution systems.

Instead of conventional current transformers, ReliaGear ND Digital incorporates current sensors, which do not saturate, and voltage sensors instead of bulky PTs which require compartments, making it the smallest, most configurable, 15 kV, two-high, metal-clad switchgear design in the industry.

In addition to being compact, the ReliaGear ND Digital solution also offers:
- Flexibility
- Increased safety
- Efficiency in engineering
- Lower operation costs
- Lower environmental impact

ReliaGear ND Digital switchgear is:
**Safe and reliable**
- Ferro-resonance-free solution without conventional PTs
- No access to dangerous CT secondary signals
- Current sensors based on Rogowski coil mean no saturation
- Fewer wires to install, commission and maintain
- Fewer live parts create fewer failure opportunities and increase safety
- Uses less material, with less aging stress and reduced chance of failure

**Simple and efficient**
- Size of current and voltage sensors reduces weight
- Complete PT compartments are eliminated resulting in the need for less switchgear space
- Reduced space requirements result in lower costs for switchgear housing
- Broad application range of sensors reduces inventory requirements
- No core losses result in significant energy savings during operation

**Intelligent and flexible**
- Improved accuracy and range of current and voltage measurement for protection and control
- Changes in loads do not require changes in hardware
- Continuously self-supervising, with maximized error detection
- Protection and communication based on latest standards
- Universal and state-of-the-art standards (IEC 61850) enable future system expansion
Additional highlights

Quick delivery time from order to operation
- Optimized set-up for quick and easy switchgear sourcing
- CT/PT data not required at early project stage, supporting a reduction in time to receive project documentation
- Reduces engineering and allows easier configuration selection
- Reduces project administration costs

Late changes/late customization
- Flexible for last-minute changes
- Unlike instrument transformers, changing loads can be accommodated within the same frame
- Most changes can be realized within the IED’s logic. Only minor changes in wiring and schematics (if any)

Lower environmental impact/green solutions
- Less material is used including steel, copper, and epoxy
- Less energy required to operate the switchgear
- Saves up to 150 tons of CO2 (for a typical substation with 14 conventional switchgear frames over 30 years of operation)