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## MANUFACTURING REP AGENCY

### Advanced Power Technologies

- Integrated digital temperature control system for transformers
- Replaces traditional mechanical gauges with advanced digital accuracy
- Aggregates and analyzes data from multiple transformer monitoring systems using agnostic sensors
- Backed by a lifetime warranty for unmatched reliability and quality



- Full line of Stationary VLA & VRLA Batteries
- DC Charging Systems by Hindle
- Substation Racks & Outdoor Enclosures



- Composite Distribution poles
- Steel Transmission & Distribution Poles
- Built-to-order poles with tough, corrosion-resistant design.



- Electrical contacts, tap changer assemblies, & transformer components
- Bushing stud connectors, cable & NEMA pad connectors, custom leads & connectors
- Valves & valve rebuild kits
- Remanufactured tap changers in inventory
- Custom flanges
- Braided Shunt leads



- Nitrogen generation, transportation, sampling, and filling solutions
- Reduces O&M costs and enhances safety for transformer maintenance
- Mobile Nitrogen Unit (MNU-30) enables on-site bottle refills at substations
- WindSuite system designed for servicing nitrogen systems in wind turbines



- Medium Power Transformers & Auto Transformers
  - from 10MVA to 300MVA
- Mobile substations, mobile transformers, & mobile substation equipment
- Portable/skid/unitized substations
- Transformer maintenance, service, testing, & field refurbishments
- Mobile substation repair, refurbishing, & upgrade



- Transformer filter & dry out systems
- LTC, regulator, & oil circuit breaker filter & dry out systems
- Solutions for generator & turbine lube oil filtration
- Remote oil sampling system
- Oil filter press carts & wagons
- Mobile filter systems
- Filter elements for filtering systems for transformer processors & oil filter systems
- Desiccant Breathers by Guardian



- Online dissolved gas monitoring (Single Gas & Multi-Gas)
- Kelman Portable DGA
- Online Bushing monitoring, Breaker Monitoring
- Asset Fleet monitoring



### Electric

- Wire & Cable (EHV, MV, HVDC)
- XLPE & EPR (MV) Power Cables for underground distribution & lighting.
- Tree Wire
- HV Underground cable 60kV-400kV
- MV Underground cable 11kV-36kV
- Overhead T Line - AAC, ACSR, TACSR, HTACSR, HSTACIR, & ASCC



- Continuous PD Monitoring for high-voltage assets to detect early signs of insulation failure.
- Cloud-Based Analytics to track asset health and support predictive maintenance.
- Non-Intrusive Testing Tools like for safe, online diagnostics.



- Mobile energy storage systems
  - 250kW to 1MW (2.0MWH)
- Emergency power or peak load support
- Islanding power supply for equipment maintenance, special events
- Black starting support for power plants



- Design and implementation of full scale virtual reality solutions.
- Target models include:
  - Safety Training
  - Recurrent Maintenance Training
  - Remote Troubleshooting
  - Simulation of failures and interruptions



- Substation control panels, buildings, & consoles
- Control racks, custom fabricated enclosures
- Maintenance, installation, upgrades, and startup of control panels & buildings
- Line, distribution, cap bank protection, RTU, transformer protection, bus differential, annunciator, feeder, metering, communication, & SCADA/RTU panels



- Transformer fan cooling solutions
- Extended lifetime fan with self-cooling motor
- Components are safe for corrosive environments



- Pad & pole mounted transformers
  - from 25kVA to 5000kVA (1 and 3 phase)
- Power transformers up to 10MVA
- Dry-type transformers up to 5000kVA
- AC/DC reactors up to 5000kVA



- Touchless Monitoring & Security with remote monitoring
- Infrared & Visual cameras for condition-based monitoring
- Mobile thermal & visual monitoring for rapid deployment
- Monitoring solutions for Substations, Underground, Vaults



- Supply of new or replacement radiator cooling systems, coolers, valves, & manifolds
- Engineering services for up-rating cooling for transformers
- Ballistics protections for radiators for new & retrofit applications
- Mobile Auxiliary Cooling (MAC) systems



- Manufactures new and replacement coolers, pumps, and shut off valves for
  - Power Transformers
  - Mobile Transformers
  - Generators
  - Mobiles
- Plug and play solutions for:
  - Westinhouse
  - GE
  - ABB
  - Hitachi and more!

Disclaimer: Not all product lines or their complete offerings are represented by NexGen at all customers