Reference for Shunt Reactor

Shunt Reactor

Customer
- ELIA System Operator NV, Belgium

Destination
- STEVIN I - IV
- 4 units delivered 2017 & 2018

Rating
- 130 MVar, three-phase SHR
- 225 kV

Key Features
- Low Noise
- PN Shift
Reference for Shunt Reactor

**Shunt Reactor**

**Customer**
- First Energy Corporation, USA

**Destination**
- Pierce Brook Substation
- Delivery 2018

**Rating**
- 125 MVar, three-phase SHR
- 345 kV

**Key Features**
- First shunt reactor supplied to First Energy Corp.
- Supplied with a monitoring system which includes bushing health monitoring and on line dissolved gas monitoring
Reference for Shunt Reactor

Shunt Reactor

Customer
- Pacific Gas and Electric / Dashiell, USA

Destination
- Bellota Substation
- Delivery 2018

Rating
- 100 MVAr, three-phase SHR
- 230 kV

Key Features
- High seismic qualification level (IEEE 693)
Reference for Shunt Reactor

**Shunt Reactor**

**Customer**
- Hydro Quebec, Canada

**Destination**
- Varennes Storage
- 5 units delivered 2012 & 2018

**Rating**
- 110 MVAr, single-phase SHR
- 735 kV

**Key Features**
- Low Noise
- High seismic requirements
- Tank rupture resistant design

We delivered more than 20 shunt reactors and transformers since 2011 to Hydro Quebec.
Reference for Shunt Reactor

Shunt Reactor

Customer
- BC Hydro, Canada

Destination
- Kelly Lake Substation
- Delivery 2015 and one further unit under manufacturing

Rating
- 135 MVAr, three-phase SHR
- 525 kV

Key Features
- High seismic requirements (dynamic analysis)
Reference for Shunt Reactor

Customer
▪ American Electric Power, USA

Destination
▪ Dumont and other substations
▪ Delivery since 2005

Rating
▪ 100 MVAr SHR
▪ 765/√3 kV

Key Features
▪ ONAN
▪ Low Loss Design
▪ Full Type Tests

68 units have been delivered in the past 13 years to several AEP substations.
Reference for Shunt Reactor

Variable Shunt Reactor

Customer
- Iberdrola S.A., UK

Destination
- East Anglia Offshore Windfarm
- 2 units delivered 2018 to the Onshore Substation

Rating
- 228 MVAR, three-phase SHR
- 220 kV

Key Features
- Regulating range 114-228 MVAR
- The delivery have been included an insulation house

To the East Anglia Offshore Windfarm we also delivered 2 190 MVAR 380kV Offshore Shunt Reactors in 2017.