

OIL & GAS



PROLEC  [®]

Powering reliable solutions for you

Experience in the industry

Prolec GE has a long experience in advanced technology transformers for the Oil & Gas Industry, from drilling and production to refining and petrochemical. Designing its products according to any particular requirements, delivering advanced performance under the most demanding operating conditions.

Transformers for...

- Offshore operations
 - Exploration and production
- Onshore operations
 - Refining, petrochemical and storage



We provide custom engineered solutions to maintain and enhance performance over the oil and gas customer's assets.

Photo courtesy of GE Oil & Gas.

Product scope

- Ratings up to 15 MVA base capacity
- High voltage up to 34.5 kV
- Low voltage from 480 V to 13.2 kV
- Cooling: single and double stage cooling with overload capabilities ONAN, ONAN/ONAF, ONAN/ONAF + 12%, ONAN/ONAF/ONAF, ONAN/ONAF/ONAF + 12% (28 MVA maximum capacity)
- Temperature rise 55° C, 65° C, 55/65° C, 45° C
- Delta – Wye connection
- ANSI and special impedances up to 12 %
- Hydran provision
- Externally operated de-energized tap changer with (2) 2.5% full capacity taps above and below nominal
- Primary Substation Transformer (Industrial PST)
 - Up to 40 MVA nominal capacity
 - High Voltage from 60 kV to 138 kV
 - Low Voltage from 12 kV to 34.5 kV
 - On-Load Tap Changer (optional)
 - Up to three cooling stages
 - Temperature rise 55/65° C
 - With or without conservator tank
- Secondary Substation Transformer (SST)
 - Up to 15 MVA nominal capacity
 - High Voltage up to 34.5 kV
 - Low Voltage from 4.16 kV to 13.2 kV
 - One and two cooling stages with overload capacity (28 MVA maximum capacity)
 - Temperature rise 55° C, 65° C, 55/65° C, 45° C
 - Delta - Wye connection
 - Special impedances and ANSI up to 12%
 - Hydran provision
 - De-energized Tap Changer with 2.5% on each step

Solutions for...

Hazardous locations

Designed and manufactured to be installed in classified areas with hazardous conditions.

- > NEMA 7 (Explosion Proof) control box
- > Explosion proof fans
- > Instruments and control devices with gold plated contacts
- > Intrinsically safe barriers (inside control box)
- > High flammability point fluids

All of these features avoid any possibility for a spark to be in contact with any combustible gas or vapor elements that could generate an explosion.



Corrosive environments

Coatings specially designed to operate on several conditions for the Oil and Gas Industry, including high humidity environment, ultraviolet radiation and chemical pollution or saline fog.

- > Coast and marine environments painting for onshore and offshore applications
 - Riched zinc primer epoxy
 - Epoxy catalyzed intermediate. coating
 - High solids polyurethane top coating
- > Stainless steel radiators (optional)



Standards and certifications:



Main Offices

Monterrey, N.L., Mexico

Blvd. Carlos Salinas de Gortari
Km. 9.25 Apodaca, N.L.
66600 Mexico
Tel: +52 (81) 8030-2000, +52 (81) 8030-2400
Fax: +52 (81) 8030-2500

Sales & Service Offices

Mexico City

Paseo de la Reforma No. 222 - 8vo. Piso
Col. Juarez, Delegacion Cuauhtemoc, C.P. 06500
Mexico, D.F.
Tel: +52 (55) 5329-2700
01-800-377-6532
Fax: +52 (55) 5329-2727

USA & Canada

Contact your local GE sales representative or call
1-800-437-7653 or +52 (81) 8030-2341

Latinamerica

Call +52 (81) 8030-2400 (Spanish) +52 (81) 8030-2341 (English)
Fax: +52 (81) 8030-2323 or 2325

ADDITIONAL CONTACT INFORMATION:

See your local GE sales representative or visit our website

www.prolecge.com

or email

sales@prolecge.com

services@prolecge.com



Powering reliable solutions for you