



Oil & Gas

# The Value of Experience

Manufacturing transformers for the Oil & Gas industry, from drilling and production applications to refining and petrochemicals.

prolec



# Experience in the industry

At Prolec GE, we have a vast and proven experience in the design and implementation of energy solutions for the Oil and Gas Industry in the areas of drilling, production, refining and petrochemicals.

Our solutions are designed in accordance with the particular technical requirements of the industry, guaranteeing optimal performance under the most extreme operating conditions.

- Offshore operations
  - Exploration y production
- Onshore operations
  - Refining and petrochemicals

We provide reliable solutions to our clients' needs, maximizing the performance of their operations.

## Product scope

- **Secondary Substation Transformer (SST)**
  - Ratings up to 15 MVA base capacity
  - High voltage up to 69 kV
  - Low voltage from 0.48 kV to 13.2 kV



- Single and double stage cooling with overload capabilities (28 MVA- maximum capacity)
- Temperature rise 55° C, 65° C, 55 / 65° C
- Delta – Wye connection
- ANSI and special impedances up to 12 %
- Externally operated de-energized tap changer with (2) 2.5% full capacity taps

- **Primary Substation Transformer (Industrial PST)**
  - Up to 67 MVA maximum capacity
  - High voltage up to 145kV
  - Low voltage from 69kV
  - On-Load Tap Changer (optional)
  - Up to three cooling stages
  - Temperature rise 55 / 65° C
  - With or without conservator tank



# 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

These accessories help avoid any probability of a spark that may come into contact with highly combustible 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:
  - Zinc-rich primer epoxy
  - Enlace epóxico
  - High solids polyurethane top coating
  - Stainless steel or galvanized radiators [optional]



## Standards and Certifications available:



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## Sales

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See your local GE sales representative or visit our  
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