



ecomagination™

Prolec GE offers environmentally friendly products

Prolec GE is an organization committed to the environment, and reducing CO₂ emissions is a priority. Wind energy is a very important technology, able to achieve large reductions in power sector emissions and Prolec GE is here to play a major role in this growing industry.

Prolec GE transformers are better-suited to your real-world needs because we rely on extensive customer input and feedback to determine the ideal product performance/features, service levels, efficiency, support procedures, testing and quality parameters.



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Powering reliable solutions for you

WINDFARMS



Powering reliable solutions for you

Renewable energy and energy efficiency technologies are the keys to creating a clean energy future for the world. The wind energy market has been growing due to a number of factors. Oil and gas prices volatility are just one of those factors; they have risen to levels such that the advantages of an energy source independent from the behaviors of the international commodities markets has never been clearer.

An additional factor is the decision of some countries to achieve a certain percentage of their electricity from renewable sources by a certain period of time.

The wind energy industry is playing a major role today; its significant growth in recent years demonstrates its efficiency to generate electricity with less impact on our environment.

Today, **Prolec GE** is a major player in the wind energy industry. It is located in Monterrey, Mexico and is one of the largest transformer manufacturers in the Americas, offering a complete line of transformer products for the generation, transmission, and distribution of electric power.

With its amorphous metal core high efficiency transformer, Wind Farm owners are positioned for a better financial rate of return. The amorphous metal core three-phase padmounted transformers of **Prolec GE** significantly lower no-load losses by 60 to 70 percent as compared with high efficiency silicon steels. Amorphous metal cores technology has a proven record of high reliability and stability with more than 700,000 units are in service today.

Displaying financial and environmental performance benefits, amorphous metal core high efficiency transformers have been certified under GE's Ecomagination initiative. Ecomagination is GE's commitment address challenges such as the need for cleaner, more efficient sources of energy, reduced emissions and abundant sources of clean water.

In response to the worldwide infrastructure capacity expansions and in support of the growth of the electrical industry, **Prolec GE** has expanded its manufacturing capabilities to supply with faster delivery and better service, making it one of the few North American manufacturers of transformers with an annual capacity of 75,000 MVA. This allows **Prolec GE** to offer transformers up to 1,000 MVA with voltage up to 550 kV.

Prolec GE has installed its transformers in more than 50 wind farms, at different locations throughout North America.

Prolec GE is a leading manufacturer of oil-filled transformers in the residential, commercial, industrial and power markets. Its experience and quality systems, as well as its geographical location in Monterrey, Mexico, place it as a strategic supplier to serve North America and international markets.

Prolec GE has distinguished itself by exceeding customer expectations; it has more than 30 years of building commercial and large power transformers under international standards focused on ANSI, CSA, NMX and IEC requirements. Its products are installed in more than 30 countries around the world.

Our services

Complete Turnkey solutions with single point of contact

- Transportation, off loading to pad, complete installation, vacuum fill and test Rigging and Mobilizations

Storage Preparation

Field Services

- Inspections (external & internal) and / or Technical assistance
- Assembly & vacuum fill
- Tests

Maintenance

- Service according to Instruction Manual
- Transformer (outside & inside) and/or LTC (external or in-tank type)
- Refurbishment
- Controls Upgrade (Gauges & Indicators, M&D equipment, LTC controls, etc)

Training

- Personalized transformer seminars at the manufacturing facility
- Can cover all product ranges

Condition Assessment

- Transformer current conditions, risks, life extension, increase load capacity, operating restrictions
- Spare Parts
- Real 24 X 7 availability

COMMERCIAL TRANSFORMERS

Three Phase Padmounted Transformers scope:

- 750 to 5000 kVA in step-up application
- Up to 34500V High Voltage 200 kV BIL
- Up to 12000Y/6928 low voltage 95 kV

POWER TRANSFORMERS

Generator Step Up Transformers scope:

- 1000 MVA 3φ or 500 MVA 1φ
- 550 kV (1675 kV BIL) 50 or 60 Hz
- LTC or DETC in HV

