

TRANSFORMERS FOR OIL & GAS



ISO 9001-2015 Certified

Oil & Gas is one of the largest sectors of the global economy, providing the world population with most of its' daily energy needs, and serves as a critical part of the global economic framework. The electrical power needs of this industry require equipment that can handle the complexity and exacting demands of the processes while ensuring reliable, safe supply of power with state-of the art monitoring & diagnostic service capabilities.

Virginia-Georgia Transformer solutions for Oil & Gas

Virginia-Georgia Transformer (VT-GT) is a market leader in power transformers and has been in business for nearly 50-years. Our expertise in providing a full range of Transformer solutions to Offshore, Mid-Stream and Down-Stream projects stems from our leadership in design and manufacturing knowledge – that enables us to custom-engineer to specific requirements of Oil & Gas applications, including special considerations for:

- Process Industry Practices (PIP)
- Hazardous Area Classifications
- Highly Corrosive Environments
- Fire Retardant Insulation Oil
- Arc Flash Safety Requirements
- Meeting all major US and International Engineering Standards
- 24 X 7 Continuous Monitoring & Service

VT-GT is a proud American manufacturer – complying with the President's Executive Order on bulk power systems and majority domestic sourcing with regard to SEC 232. VT-GT offers transformers with a 60-year life through best-in-class design and manufacturing, boasting a large installed base and some of the best lead times in the industry. All VT-GT's transformers are custom built to client specifications.

VT-GT Installed Base

- Supplied to over 2000 projects over the past 10 years
- Total installed capacity > 20000 MVA
- Ratings: Up to 140 MVA, 230 kV
- Serving majority of Oil & Gas producers and EPC's

VIRGINIA - GEORGIA TRANSFORMER
ONE SOURCE-ONE COMMITMENT

Oil & Gas Value Drivers

Solutions

ROBUST ENGINEERING for HAZARDOUS ENVIRONMENTS

➔

Design and Manufacturing technology for Oil & Gas special requirements:

- ✓ Process Industry Practices (PIP)
- ✓ DOE-2016
- ✓ Area Classification (Class I DIV2 Group B, C, D)
- ✓ Operating in highly corrosive environments
- ✓ Zinc rich Paint system
- ✓ Meet dimensional constrains for unit replacements
- ✓ FM Approval, UL Certifications and other NRTL
- ✓ Motor Starting/Harmonic/Profile Variable Load Designs
- ✓ Power Factor

SAFETY

➔

Safety Engineered as part of the design:

- ✓ FR3 (Fire Retardant) Oil Design
- ✓ Arc Flash Safety Design Features
- ✓ Kirk-Key Interlocks
- ✓ Tamper Proof

MINIMAL DOWNTIME

➔

60 YEAR LIFE THROUGH:

- ✓ Industry Leading MTBF*
- ✓ Flawless Execution
- ✓ 5Q Quality Model
- ✓ World Class Partial

MTBF*-Mean Time Between Failures

24/7 SERVICE SUPPORT

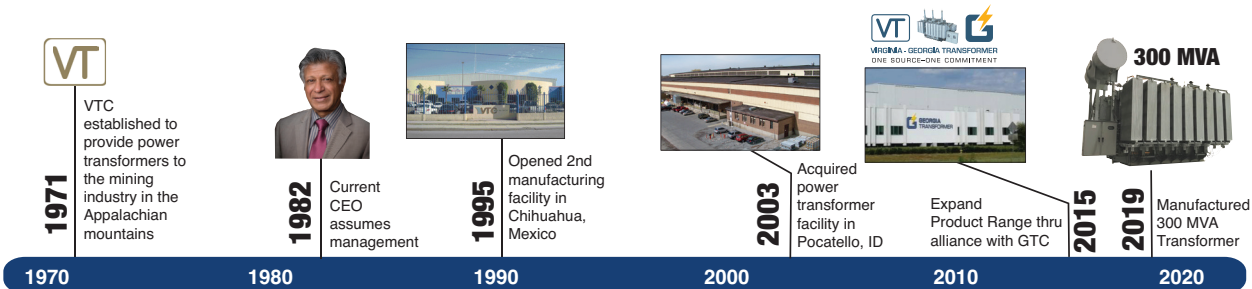
➔

24 / 7 SERVICE SUPPORT:

- ✓ Experienced Service Team with state-of-the-art equipment & Pan-US coverage
- ✓ Monitoring Capability at SCADA and Remote level
- ✓ Aftermarket Spare Parts & Service Team
- ✓ 24 / 7 Call Support

Minority Business Enterprise

VIRGINIA - GEORGIA TRANSFORMER
ONE SOURCE-ONE COMMITMENT



OUR HISTORY

ABOUT US

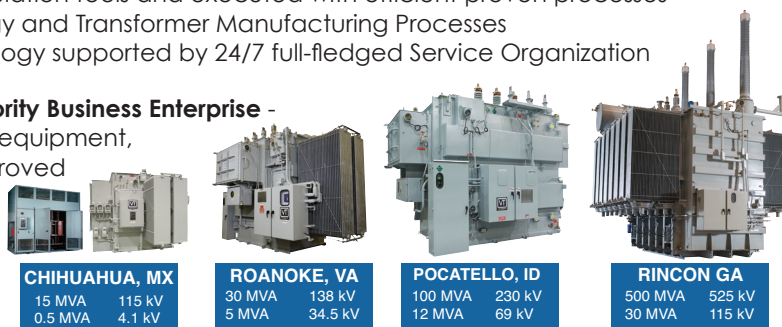
Virginia Transformer – Georgia Transformer is a US-based Corporation that has been in business for nearly 50 years with 4 plants in North America designing and manufacturing a full line of Power Transformers from 500 kVA to 500 MVA, and up to 500 kV class.

Our Value Proposition: We promise to supply the most “Resilient” Power Transformer designed for 60 years life, that will meet 24/7/365 resilient power needs of the Customer.

Our value proposition is based on three key process philosophies:

- Robust Design** developed by expert engineers with over 300 years of electrical design experience using proprietary digital design tools, verified by off-the-shelf arsenal of digital simulation tools and executed with efficient proven processes
- Flawless Execution** based on 3T-Pillars: Training, Technology and Transformer Manufacturing Processes
- Continuous Monitoring** of Transformers using VCM Technology supported by 24/7 full-fledged Service Organization

Virginia – Georgia Transformer takes pride in being a **Minority Business Enterprise** - equipped with cutting edge technology, state-of-the-art equipment, highly qualified & experienced engineers and overall improved processes – which allows us to provide the most reliable products, and the shortest lead time in the Industry.



Select O&G Projects



CHEVRON ANCHOR PROJECT – Offshore/Upstream Project.....	(2) 4 MVA, (2) 2 MVA, (1) 1 MVA
PHILLIPS 66 REFINERY ALLIANCE – Downstream Project.....	(2) 75 /125 MVA
AUBREY SILVEY – RAGING WIRE.....	(2) 16/29.8 MVA
KBR - METHANEX G3 Project.....	(4) 2500 KVA; (2) 1000 KVA; (4) 1500 KVA; (2) 2000 KVA; (4) 3750 KVA
LYONDELL BASELL - HOUSTON REFINERY.....	(2) 7.5 / 10.5 MVA, (1) 5/7 MVA, (2) 2.5 MVA
DASHIELL – XTO ENERGY.....	(2) 50/83 MVA, 115 KV
BECHTEL – SABINE PASS LNG - Phase 1, 2 & 3 and CCLNG - Phase 1, 2.....	170 Units, multi-rating
MUSTANG/IAG.....	(4) 20 MVA, 13.8 kV; (2) 2 MVA, 13.8 kV
EXXON MOBIL.....	(3) 30 MVA, 13.8 kV
POWELL/CHEVRON TAHITI PROJECT.....	(2)2000 KVA, 6.9 kV
AUBREY SILVEY / QUICKSILVER.....	(2) 50 MVA, 138 kV, LTC
CBI/LNG TERMINAL EXPANSION.....	20 MVA, 13.8 kV; 7.5 MVA, 13.8 kV, 750 KVA, 4.16 kV, 500 KVA, 4.16 kV
ENBRIDGE OIL PUMPING STATION from Alberta to MN and IL.....	18 units up to 20 MVA, 35 kV; 115 KVA, 138 kV
ANDARKO PETROLEUM GAS PIPELINE COMPRESSION - UT and WY..	(5) 20 MVA, 34.5 kV; (1) 10 MVA, 24.9 kV; (1) 36 MVA, 138 kV; (1) 15 MVA, 34.5 kV
SHALE CRUDE PIPELINE.....	(4) 1000 KVA, 4.160 kV; (2) 750 KVA, 4.160 kV; (1) 500 KVA, 4.160 kV