For 40 years, VTC has been making custom-built power transformers. Our history in specialty design laid the foundation for a solid engineering based company specializing in transformer and reactor solutions for industrial, commercial and utility applications. The NEW Virginia Transformer now operates 3 manufacturing facilities in North America to service our global markets. Our success comes not only through our dedication to producing a top quality product, but equally through innovations in our processes driving us to the forefront of our markets.

---

Everyday, millions of people rely on mass transit as a means of transportation. In an effort towards fuel conservation, more and more people are turning to this service. Keeping trains running smoothly is a top priority. Running non-stop, day in and day out around the clock. A service often taken for granted. VTC doesn’t take this for granted, we help keep them moving. Since 1977, Virginia Transformer has been a major contributor to the transit industry with our broad product range for Metro and long distance trains.

It can be a very involved process to meet the many requirements involved with transit, but no one is more capable than VTC. These extra heavy duty traction applications require the transformer to withstand 450% overload each time the trains leave the station. The frequent varying overloads coupled with ambient temperature variations present a very demanding situation for transit duty transformers. Through our advanced design and engineering, no one has as much to offer in optional solutions as VTC, a one-stop-shop for the transformer industry. From dry type, to liquid filled, VTC will build the best transformer for any application at any size.

Virginia Transformer’s experience in specialized areas is just one reason to choose VTC. VTC works with most leading consultants in the transit market while the project is still on the drawing board by offering our expertise in drafting specs to shift the transformers values to even floor space planning. See what VTC can do for your transit needs.

---

Providing Reliable Power for Transit

- Extra Heavy Duty Traction (oil and dry type)
- 6 Pulse; 12 Pulse (ckt 31): Closely or loosely coupled
- Interphase Transformer
- Auxiliary Power Transformer
- DC Link Reactors

---

Corporate/National Sales Office
220 Glade View Drive, Roanoke, VA 24012
540.345.9892 – Fax 540.342.7694
sales@vatransformer.com

“The Commitment Company”

www.vatransformer.com

ISO 9001-2008 Certified

Providing Reliable Power for

Extra Heavy Duty Traction (oil and dry type)
6 Pulse; 12 Pulse (ckt 31): Closely or loosely coupled
Interphase Transformer
Auxiliary Power Transformer
DC Link Reactors

For 40 years, VTC has been making custom-built power transformers. Our history in specialty design laid the foundation for a solid engineering based company specializing in transformer and reactor solutions for industrial, commercial and utility applications. The NEW Virginia Transformer now operates 3 manufacturing facilities in North America to service our global markets. Our success comes not only through our dedication to producing a top quality product, but equally through innovations in our processes driving us to the forefront of our markets.

---

Everyday, millions of people rely on mass transit as a means of transportation. In an effort towards fuel conservation, more and more people are turning to this service. Keeping trains running smoothly is a top priority. Running non-stop, day in and day out around the clock. A service often taken for granted. VTC doesn’t take this for granted, we help keep them moving. Since 1977, Virginia Transformer has been a major contributor to the transit industry with our broad product range for Metro and long distance trains.

It can be a very involved process to meet the many requirements involved with transit, but no one is more capable than VTC. These extra heavy duty traction applications require the transformer to withstand 450% overload each time the trains leave the station. The frequent varying overloads coupled with ambient temperature variations present a very demanding situation for transit duty transformers. Through our advanced design and engineering, no one has as much to offer in optional solutions as VTC, a one-stop-shop for the transformer industry. From dry type, to liquid filled, VTC will build the best transformer for any application at any size.

Virginia Transformer’s experience in specialized areas is just one reason to choose VTC. VTC works with most leading consultants in the transit market while the project is still on the drawing board by offering our expertise in drafting specs to shift the transformers values to even floor space planning. See what VTC can do for your transit needs.

---

Providing Reliable Power for Transit

- Extra Heavy Duty Traction (oil and dry type)
- 6 Pulse; 12 Pulse (ckt 31): Closely or loosely coupled
- Interphase Transformer
- Auxiliary Power Transformer
- DC Link Reactors

For 40 years, VTC has been making custom-built power transformers. Our history in specialty design laid the foundation for a solid engineering based company specializing in transformer and reactor solutions for industrial, commercial and utility applications. The NEW Virginia Transformer now operates 3 manufacturing facilities in North America to service our global markets. Our success comes not only through our dedication to producing a top quality product, but equally through innovations in our processes driving us to the forefront of our markets.

---

Everyday, millions of people rely on mass transit as a means of transportation. In an effort towards fuel conservation, more and more people are turning to this service. Keeping trains running smoothly is a top priority. Running non-stop, day in and day out around the clock. A service often taken for granted. VTC doesn’t take this for granted, we help keep them moving. Since 1977, Virginia Transformer has been a major contributor to the transit industry with our broad product range for Metro and long distance trains.

It can be a very involved process to meet the many requirements involved with transit, but no one is more capable than VTC. These extra heavy duty traction applications require the transformer to withstand 450% overload each time the trains leave the station. The frequent varying overloads coupled with ambient temperature variations present a very demanding situation for transit duty transformers. Through our advanced design and engineering, no one has as much to offer in optional solutions as VTC, a one-stop-shop for the transformer industry. From dry type, to liquid filled, VTC will build the best transformer for any application at any size.

Virginia Transformer’s experience in specialized areas is just one reason to choose VTC. VTC works with most leading consultants in the transit market while the project is still on the drawing board by offering our expertise in drafting specs to shift the transformers values to even floor space planning. See what VTC can do for your transit needs.
MARKET REPRESENTATION
Virginia Transformer Corp uses a network of knowledgeable independent Manufacturers Representatives to support customers and create client satisfaction. Our representatives augment our team of Sales Engineers and Application Engineers who work with our clients to provide the right transformer for their application.

HISTORY
- 1971 – VTC established
- 1982 – Current president assumes management
- 1989 – Manufactures first LTC transformer
- 1995 – Opened 2nd manufacturing facility in Chihuahua, Mexico
- 1997 – First achieves ISO 9001 certification
- 2003 – Acquired power transformer facility, Pocatello, Idaho
- 2005 – Testing facilities upgraded enabling “front of wave” and “switching surge” tests
- 2009 – Addition of Vapor Phase Drying
- 2011 – VTC’s 40th Anniversary

WHAT VTC DOES
Providing successful solutions means having the right selection of products. VTC offers a wide range of products, and the ability to customize each one to meet specific needs. VTC meets demanding system requirements such as space constraint, special voltage configurations and tough environmental conditions. Our ability to exceed these needs has gained VTC a solid reputation in supplying power transformers.

Providing High quality, long life units starts with our strength in engineering. VTC boasts a team of engineers that are part of our process from electrical to mechanical to sales application. These resources set VTC apart. All our designs are custom made to client specifications. Through automation, experience and intelligence, we are able to develop the best design for each individual need. We look at all the details of the transformer design to assure electrical and magnetic performance to optimize every phase of production.

ADDITIONAL SPECIAL APPLICATION RELATED VTC TRANSFORMERS
- Three Phase Voltage Regulator
- Single Phase Transformer
- Zig Zag Grounding Transformer
- Scott Tee Connected (Converts 3 phase to 2 phase)
- Load Tap Changing
- Autotransformer
- Multi-Winding Secondary/Drive Duty/Rectifier
- “Green” Transformers (Ultra High Efficiency)
- Large Special Pad Mount

TRANSIT PROJECTS

POWER
- WASHINGTON METRO - Over 50 Mineral Oil Filled 6 & 12 Pulse Extra Heavy Duty Transformers
- NYCT - (8) 3 MW UNIClad® Encapsulated Extra Heavy Duty Rectifier Transformer 26.4 kV, 13.2 kV
- MTA LIRR - Encapsulated Extra Heavy Duty Transformer (2) 4 MW, 26.4 kV
- MTA MARYLAND LIGHT RAIL PROJECTS - Encapsulated Extra Heavy Duty Transformer (2) 2 MW, 12 Pulse
- TURTLE & HUGHES-LIRR UNIClad® Encapsulated Heavy Duty Transformer (2) 4 MW, 26.4 kV

NEW YORK CITY TRANSIT AUTHORITY (NYCTA)
(3) UNIClad® Encapsulated Extra Heavy Duty Transformers, 3 MW, 26.4 kV
- MASS ELECTRIC, UNIClad® Encapsulated Extra Heavy Duty Transformer 3 MW, 26.4 kV

REUEL/DENVER METRO
Extra Heavy Duty Rectifier Transformer - (6) 1.5 MW, 15 kV, VPI

SIEMENS TRANSPORTATION SYSTEM (STS)/HOUSTON METRO
UNIClad® Encapsulated Extra Heavy Duty Transformer (12) 1 MW, 34.8 kV

SMC ELECTRICAL PRODUCTS/BOMBARDIER TRANSPORTATION
Extra Heavy Duty Rectifier Transformer - (15) 2 MW, 12 Pulse VPI

LIRR/METRO NORTH COMMUTER-RAIL
DC Link Reactors

TRANSIT SYSTEMS VTC HAS WORKED WITH:
- NYCT, New York • LIRR, New York • WMATA, Washington DC • JTA, Jacksonville, FL
- RTA, Denver, CO • TRIMEX, Portland, OR • GCRTA, Cleveland, OH • DOT, Hartford, CT
- SANTA CLARA VALLEY TRANSIT, CA • HOUSTON METRO, Houston, TX • AMTRACK
- BOMBARDIER TRANSPORTATION • SEPTA, Philadelphia, PA • DART, Dallas, TX
- MTA New York, NY • SACRAMENTO TRANSIT AUTHORITY • TORONTO TRANSIT AUTHORITY, Ontario, CA

CONTRACTORS: MASS ELECTRIC / WELSBACH ELECTRIC CORP. / GOTTLEIB / F&M

CONSULTANTS: STV ENG. / LTK ENG. / PARSONS BRINCKERHOFF / EDWARD KELCEY / SLATTERY / SOUND TRANSIT

FACILITY LOCATIONS
Pocatello, ID
Oil Filled, Up to 300 MVA, 900 kV BIL
Roanoke, VA
Dry Type: Up to 20 MVA/34.5 kV
Liquid Filled: Up to 33 MVA/115 kV
Chihuahua, Chih., Mexico
Dry Type: Liquid 10 MVA/69 kV

www.vattransformer.com sales@vattransformer.com