

Providing Reliable Power to

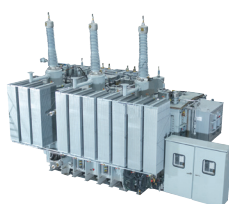
# DATA CENTERS

*Where Failure Is Not An Option*

In this electronic age, storage, back-up and security of data is invaluable. From megabytes to terabytes, saving information securely is a basic requirement, and failure simply is not an option. For data centers to ensure this peace of mind, they depend on the most reliable components for their electrical power value chain. Power transformers from **Virginia-Georgia Transformer** are a critical part of this value chain.

With nearly 50 years of engineering and manufacturing experience and expertise, **VT-GT** can offer solutions for the primary value drivers of a data center: Low Power Usage Effectiveness (PUE) ratio, Minimal Downtime, Sustainability, and monitoring capability at Data Center Infrastructure Management System.

Comprehensively meeting the requirements of the transformer application is the first consideration for **VT-GT**. All aspects of the transformer are given full, and thorough analysis. **VT-GT** maintains a rigid standard of quality throughout the manufacturing process, and our engineers will develop the best transformer for the application with the best quality, and Best-In-Class Service.



**VIRGINIA - GEORGIA TRANSFORMER**  
ONE SOURCE-ONE COMMITMENT

## Data Center Value Drivers



LOW PUE



**HIGH EFFICIENCY DESIGN**  
60 Year Life



MINIMAL DOWNTIME



**60 YEAR LIFE THROUGH:**

- Industry Leading MTBF\*
- Robust Engineering
- Flawless Execution
- Continuous Monitoring
- 5Q Quality Model
- 24/7 Continuous Monitoring & Service
- World Class Partial Discharge Levels

MTBF\*-Mean Time Between Failures



SUSTAINABILITY



**BIODEGRADABLE OIL DESIGN**  
up to 150 MVA

- Low Sound
- Low Loss



**MONITORING CAPABILITY at DATA CENTER INFRASTRUCTURE MANAGEMENT SYSTEM**



**Monitoring Capability at SCADA:**

- Diagnostic & Protection
- Trending & Alarms
- Loss of Life Calculation



Pad Mount Transformer



Large Power Transformer

# DATA CENTER PROJECTS

Customer Representation



**Supplied 35 Data Center Projects to date: 70 Units, 1665 MVA Total**  
**Rating: 2MVA – 150MVA, 13.8 kV – 138 kV**

Date	Customer	User	User location	Qty	KVA	KV	Type
2020	TierPoint Data Center	TierPoint Data Center	Allentown, PA	2	37240	69	Mineral Oil
2020	Franklin Electric	Aligned Energy	Ashburn, VA	1	3600	34.5	Biodegradable Oil
2020	Aubrey Silvey	Raging Wire	Santa Clara, CA	2	29870	60	Biodegradable Oil
2019	Cyrus One	Cyrus One	Santa Clara, CA	2	100000	60	Mineral Oil
2019	Franklin Electric	Aligned Energy	West Jordan, UT	1	56000	138	Mineral Oil
2019	Iron Mountain Data Center	Iron Mountain	Edison, NJ	2	40000	26.4	Mineral Oil
2019	Aubrey Silvey	Digital Realty Trust	Chandler, AZ	2	60000	69	Mineral Oil
2019	Compass Data Centers	Compass Data Centers	Goodyear, AZ	2	15000	69	Biodegradable Oil
2018	Franklin Electric	Aligned Energy Data Center	Ashburn, VA	2	36000	34.5	Biodegradable Oil
2018	EBAY	Topaz Data Center	Salt Lake City, UT	1	42400	138	Mineral Oil
2017	Z Power & Distribution	Core Site Data Center	Los Angeles, CA	2	10000	34.5	Biodegradable Oil
2016	GEXPRO	Raging Wire Data Center	Garland, TX	2	15000	138	Mineral Oil
2016	Codale Electric Supply	Super Nap Data Center	McCarran, NV	1	24000	120	Mineral Oil
2013	Digital Realty Trust	Digital Realty Trust	Totowa, NJ	2	50000	69	Mineral Oil
2013	Holder Construction	Chevron Data Center	San Antonio, TX	13	2000	13.8	Dry Type
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2012	Turtle & Hughes, Inc.	Telus Data Center	Kamloops, BC	2	8000	24.42	Biodegradable Oil
2011	Holder Construction	Chevron Data Center	San Antonio, TX	2	14000	33	Mineral Oil
2010	Turtle & Hughes, Inc.	Credit Suisse	Clifton, NJ	2	20000	26.4	Mineral Oil
2009	Ameren Services Dept.	Sister of Mercy	Washington, MO	2	5600	34.4	Mineral Oil
2009	CED-City Electric Supply	NASA Ames Research Center	Moffett Field, CA	2	15000	125.6	LTC
2009	Samson Electrical Supply	Johnson & Johnson	New Brunswick, NJ	2	15000	26.4	Mineral Oil
2009	Cooper Electric Supply	Topaz	West Jordan, UT	2	22700	138	LTC
2009	Oracle	Oracle	West Jordan, UT	2	15000	138	LTC
2008	B&S Electric Supply	AT&T	Lithia Springs, GA	1	20300	24.9	Mineral Oil
2008	Turtle & Hughes	Citigroup	Rutherford, NJ	2	10000	26.4	Biodegradable Oil
2008	Alfa Tech Cambridge	Symantec	Tucson, AZ	2	10000	46	LTC, Veg. Oil
2008	Turtle & Hughes	Goldman Sachs	Bridgewater, NJ	2	20000	26.4	Beta Fluid
2007	Turtle & Hughes	Bear Stearns	Whippany, NJ	2	16000	34.5	LTC, Silicone
2007	Turtle & Hughes	AT&T	Middletown, NJ	1	7500	34.5	Mineral Oil
2007	Siemens E&A	McGraw-Hill	Highstown, NJ	1	15000	34.5	LTC, Beta
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2007	Turtle & Hughes	JP Morgan Chase	Carlstadt, NJ	2	20000	26.4	Mineral Oil
2007	Satin American	AT&T	Secaucus, NJ	1	12000	26.4	Mineral Oil
2000	Parsons	AT&T	Lithia Springs, GA	1	20300	24.9	Mineral Oil