

THREE-PHASE PAD-MOUNTED TRANSFORMERS

Secure Underground Distribution for Utility, Commercial, and Residential Applications.

OMEX three-phase pad-mounted transformers are engineered for secure, reliable underground distribution and are available in standard and custom configurations with project-specific voltage, impedance, fluid, switching, fusing, enclosure, and monitoring options.

Built for demanding applications, our transformers deliver long-term reliability, enhanced safety, and ease of service in utility, commercial, industrial, and critical power installations.



BAA-compliant configurations available by project requirement
Content compliance is confirmed per project sourcing and approved documentation

Phase
Three Phase
Selected & standard custom

Rating Range
45-15,000 KVA
Availability varies by phases

Voltage Class
Up to 35 kV Class
Final selection by load profile



Tamper-Resistant Design
Rugged, all-weather enclosures with secure, lockable compartments.



Flexible Feed Options
Application driven designs and quick delivery



Winding & Fluid Options
Aluminum or copper windings with mineral oil or natural ester FR3.



Nationwide Support
Strategically stocked inventory and responsive technical support across the U.S.

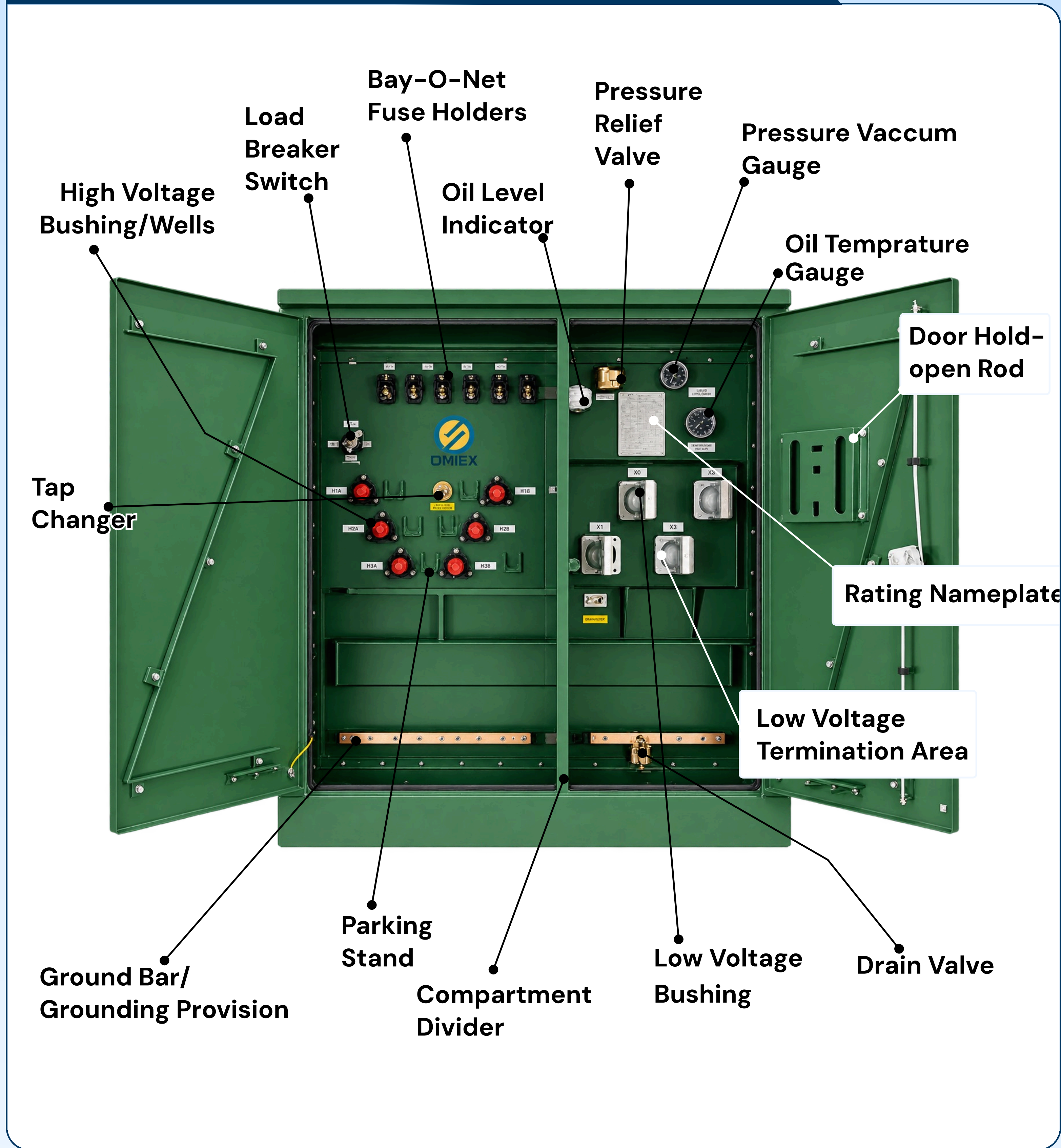
Key Benefits

- ✓ Ground-level lockable compartment construction
- ✓ Dead-front or live-front configurations
- ✓ Project-specific voltage, impedance, and accessory options
- ✓ Engineered for reliability, safety, and ease of maintenance
- ✓ Suitable for utility, E&S, EV, and industrial distribution projects

Standards & Compliance

 UL Available	 IEEE IEEE C57.12.34	 IEEE IEEE C57.12.28	DOE DOE 2016	DOE DOE 2029
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Transformer Compartment Layout



Specifications

Parameter	Standard Range / Options
Phase	Three-phase
Rating Range	up-to 15000 KVA
Primary Voltage Class	Up to 35 kV class
Primary Connection Options	Delta, Wye Grounded, Wye, or Ungrounded Wye
Secondary / LV Wiring Options	208Y/120 V, 480Y/277 V, 600Y/347 V; Delta secondaries and project-specific MV secondaries available
Frequency	60 Hz; 50 Hz by project
Feed Configuration	Loop feed or radial feed
High-Voltage Interface	Dead-front or live-front
LV Connection	Cable lugs or bus
Windings	Aluminum or copper
Tank Material	Mild steel or stainless steel
Insulating Fluid	Mineral oil or natural ester FR3
Cooling	ONAN standard; KNAN, ONAF, and KNAF available by design / project
Temperature Rise	65°C standard; 55°C or 65°C available by project
Impedance	Typical 4% – 8%; project-specific impedance available
Taps	Off-circuit tap changer; standard and project-specific tap arrangements available
BIL	Based on system voltage class / project requirement
Standards	IEEE C57.12.34, IEEE C57.12.28, IEEE C57.12.38, ANSI, NEMA, DOE 2016, DOE 2029
Compliance	UL listed as applicable; BAA-compliant configurations available by project requirements

Available Accessories

- ✓ Bay-O-Net fuse
- ✓ Current-limiting backup fuse
- ✓ Load-break switch
- ✓ Off-circuit tap changer
- ✓ Surge arresters
- ✓ Pressure-relief device
- ✓ Monitoring and project-specific accessory packages
- ✓ Dead-front wells & inserts or live-front bushings
- ✓ Parking stands and grounding pads
- ✓ Liquid-level, pressure/vacuum, and temperature gauges
- ✓ Drain valve and sampling provisions
- ✓ Nitrogen blanket/gauge package
- ✓ SCL Relay, Contact sensors

Applications



Utilities



Data Centers



Renewable Energy/BESS



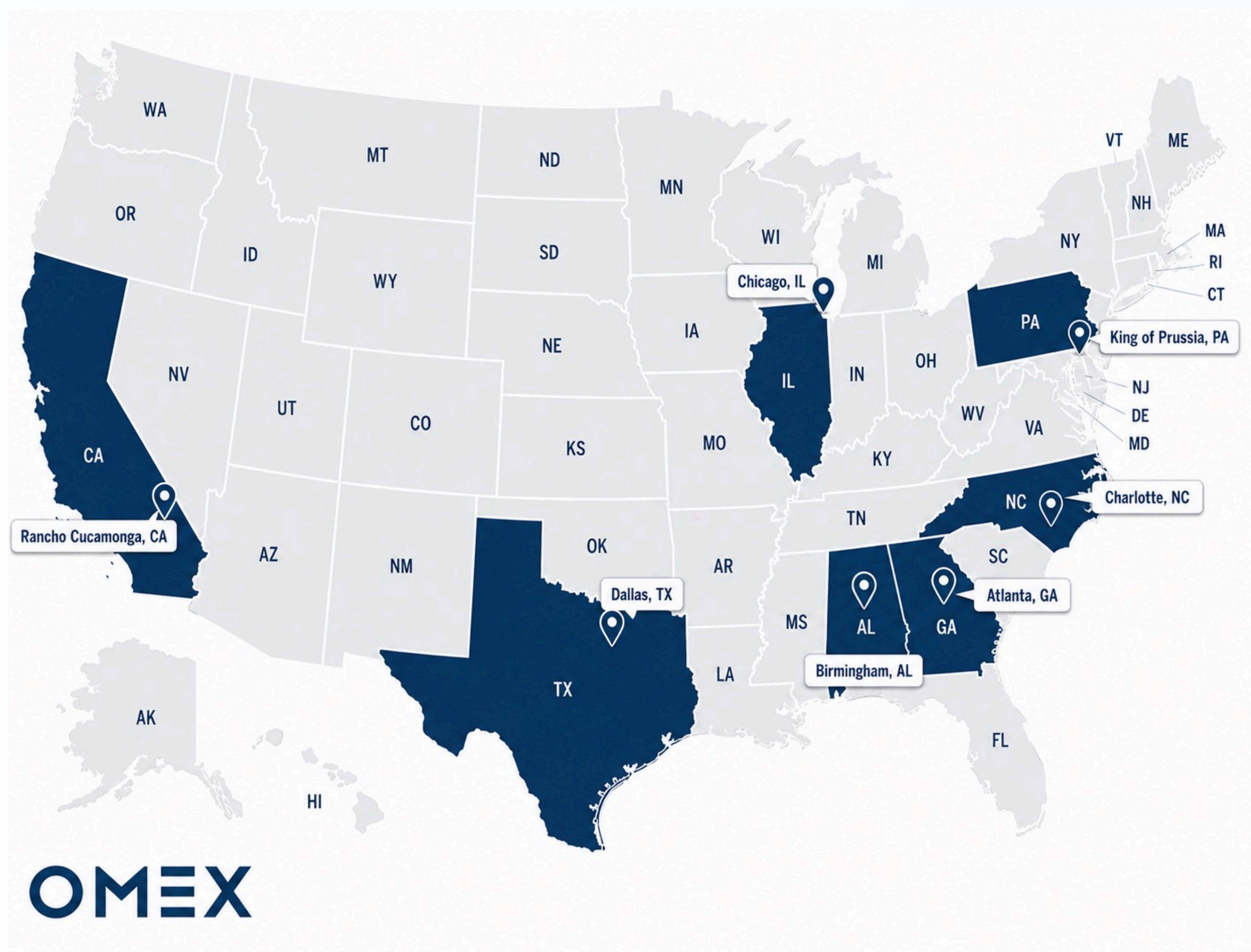
EV Charging



Commercial Campuses



Industrial/ Facilities



Explore **OMEX** Transformers

Scan the QR code to learn more about our complete transformer portfolio.

For the Ones // Powering America