



SIEMENS
Ingenuity for life



The background of the advertisement features a person's head in profile on the left, looking at a digital interface with charts and data. In the center and right, there is a scene of a military or police formation in front of a red brick building. The entire scene is overlaid with a network of glowing blue lines and binary code (0s and 1s) in the background, suggesting a smart infrastructure theme.

Siemens Smart Infrastructure

Creating Perfect Places to Achieve Your Mission

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usa.siemens.com/federal

About Us

Helping Federal Agencies Create the Perfect Place to Achieve their Mission



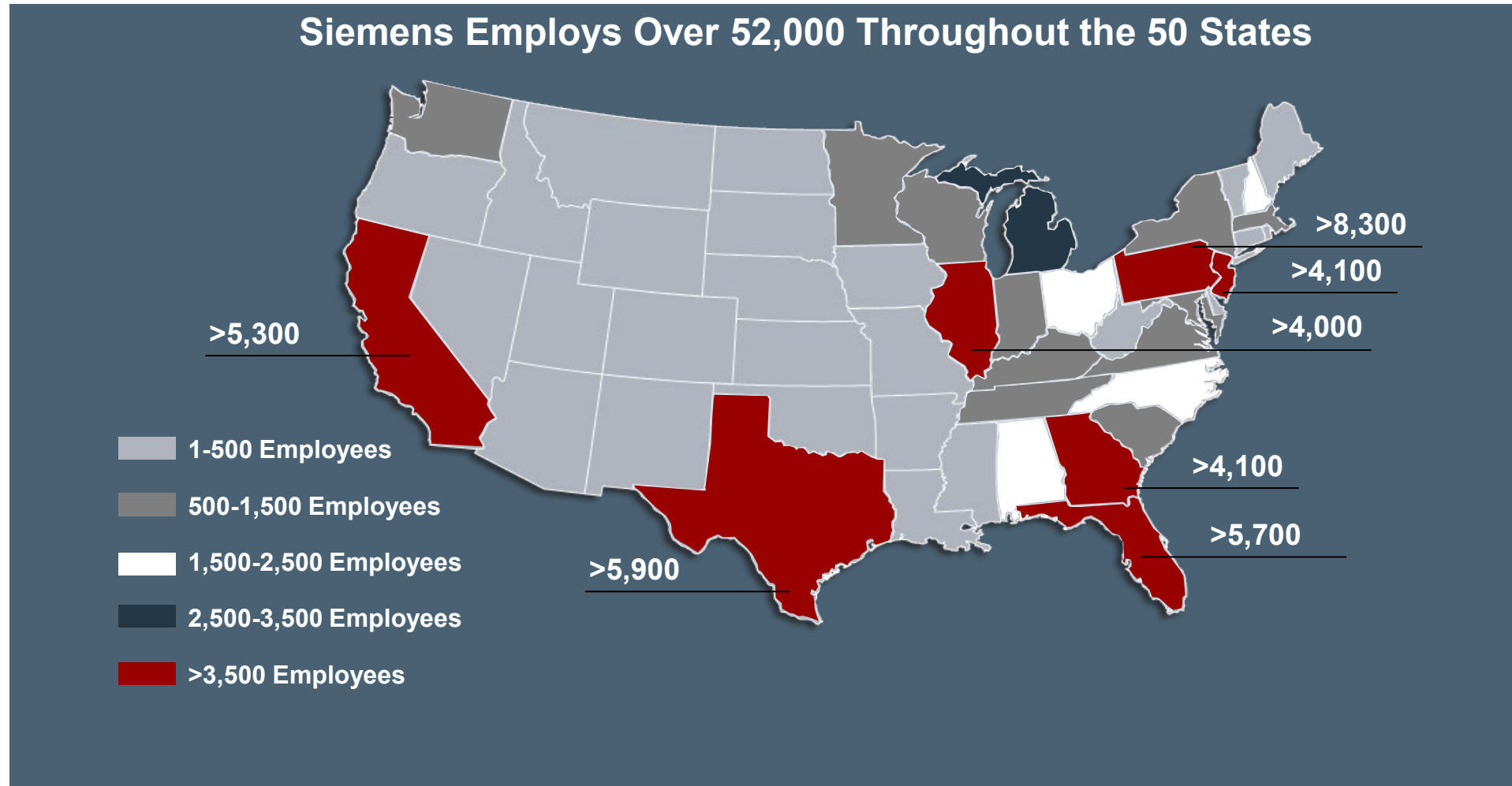
We Provide Products and Solutions for:

- EV Charging
- Energy Efficiency
- Fire & Life Safety
- Integrated Security
- Cybersecurity
- Building Automation
- Energy & Advantage (Digital) Services
- Decentralized Power Distribution
- Energy resilience and smart grids
- Transmissions & Transformers



About Us

We Are Where You Are



Electrical Services

- OSHA and NFPA 70E Arc Flash Compliance
- Coordination Studies
- PM Maintenance on
 - ❖ Low Voltage and Medium Voltage gear
 - ❖ Switchboards
 - ❖ MCCs
 - ❖ Breaker Testing
 - ❖ Relay Testing
 - ❖ Gas Insolated Switch Gear (GIS)
- Predictive and Assessment Services
- Modernization
 - ❖ Breaker upgrades
 - ❖ Relay upgrades
 - ❖ Arc Flash Mitigation Solutions



Medium-voltage, gas-insulated, arc-resistant switchgear

Type 8DA <https://www.youtube.com/watch?v=FTEZzVZPetw>

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Ratings

- 4.16 kV to 38 kV
- Up to 200 kV lightning-impulse withstand voltage
- Interrupting ratings up to 40 kA

Improved safety for operators

- Tested to ANSI/IEEE C37.20.7-2007/IEC 62271-200 for internal arcing faults
- Arc-resistant internal arc classification type 2B (front, side, rear with low-voltage compartment door open)
- Reduced level of PPE permitted by NFPA 70E® for arc-resistant switchgear
- Single-phase design eliminates phase-to-phase faults inside the switchgear
- The position of the switches is indicated by contact position indicators and can also be visibly verified from the front of the unit using a convenient camera system and laptop computer.
- Capacitive voltage indicators – avoids need for hot-stick for checking energization of primary
- Integral grounding switch – grounding cables are unnecessary



Compact footprint saves real estate

Up to 75% smaller footprint compared to traditional air-insulated switchgear



Low maintenance

- Visual inspection every 5 years; condition inspection every 10 years
- After 1,000 operating cycles of the disconnectors & grounding switches or after 10,000 operating cycles of the circuit breaker
- Sealed pressure system protects against environmental influences (IP65)

Vacuum for interruption; SF₆ for insulation

- Vacuum interrupter mounted in circuit breaker pole housing
- No oxidation inside of enclosure
- Non-poisonous, non-flammable, inert, self-restoring insulation
- Dielectric strength six times that of air
- Low current arcs are self-extinguishing
- SF₆ only insulates therefore no arcing by-products
- Gas leakage rate < 0.1% annually; 24/7 monitoring of gas pressure via internal manometer connected to alarm contacts
- Gas insulation eliminates derating due to altitude

