



2026

Designed for emergency standby. Built for certainty.

ENGINEERED BACKUP POWER FOR DATA CENTERS

Mission-critical diesel generation systems
designed, validated, and supported by Ingersoll Rand.



DOWNTIME IS NOT AN OPTION

Backup power must work the first time—every time.

Modern data centers operate on the assumption of constant availability. Even brief power disruptions can result in significant financial losses, operational risk, and reputational damage.

Backup diesel generators sit idle for months or years. But when the grid fails, they must:

- **Start immediately**
- **Carry full load reliably**
- **Integrate flawlessly with UPS systems**
- **Perform without manual intervention**

This is not where generic, off the shelf solutions belong.

A Complete, Engineered Backup Power System

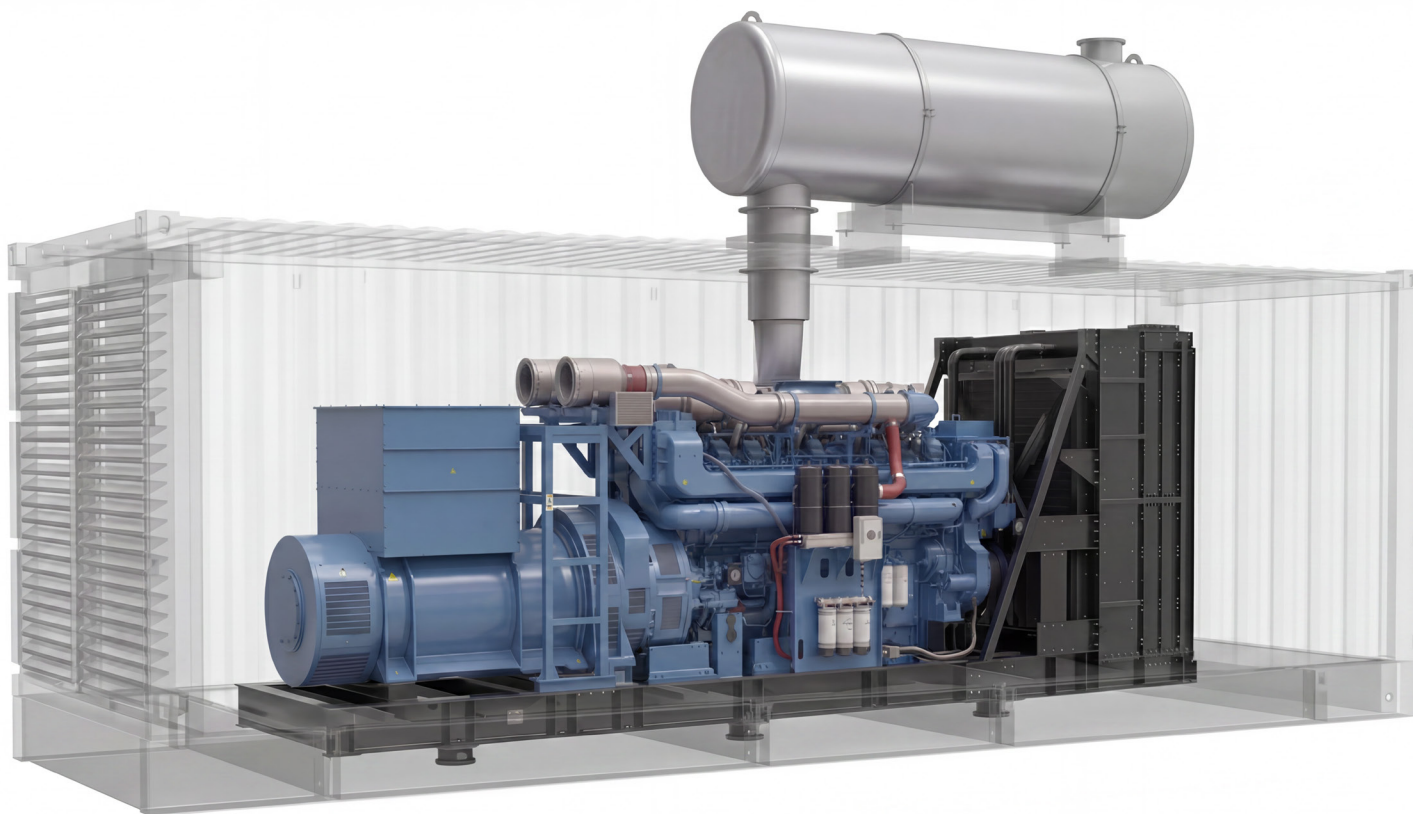
Not just a generator—an integrated, validated solution..

Ingersoll Rand delivers containerized diesel backup generator systems engineered specifically for data center standby applications. Each system is designed as a coordinated package—mechanical, electrical, acoustic, and structural—under a single accountable integrator. From controls integration to enclosure design, every element is engineered, tested, and documented before delivery.

Containerized Power System

Available configurations:

2-5.4 MW containerized diesel generator systems for emergency standby power



One integrator. One engineered system. One accountable partner.

Engineered as a System Not Assembled

Designed holistically for performance, reliability, and compliance.

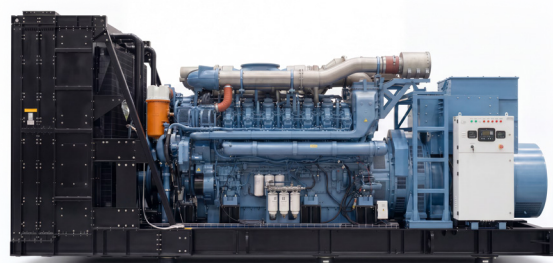
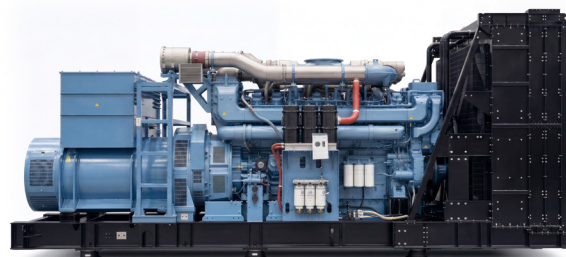
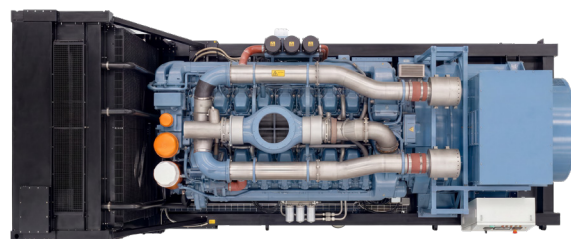
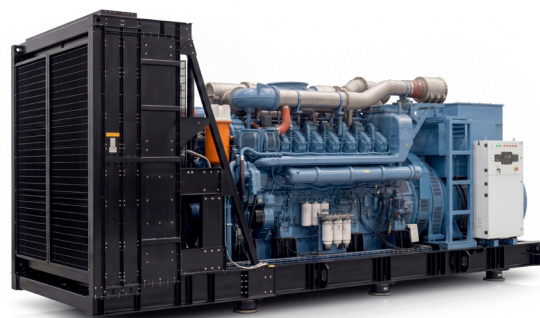
Through Ingersoll Rand's Engineered to Order (ETO) capabilities, each generator system is developed as a fully engineered solution—not a generator placed inside a container.

Our engineering teams coordinate:

- Generator and controls integration
- Radiator and airflow design
- Exhaust silencer geometry
- Fuel system sizing
- Louver selection and placement
- Acoustic treatment and noise mitigation
- Structural and enclosure design

Specialist consultants (acoustic, structural) are integrated into the design process to ensure compliance with data center requirements.

The result: a purpose built, validated standby power system with documented design history and IR branded accountability.



Designed for Data Center Realities

Optimized for emergency standby—not continuous operation.

Backup generators in data centers face a unique paradox: they must remain idle for extended periods, yet perform flawlessly under extreme demand.

Ingersoll Rand systems are engineered specifically for this operating profile:

Our engineering teams coordinate:

- Faststart capability aligned with UPS ride-through requirements
- Thermal and airflow design optimized for enclosed, containerized operation
- Acoustic performance engineered for proximity to occupied or regulated environments
- Controls selected and integrated for reliable automation and monitoring

These systems are built to support hyperscale, colocation, and enterprise data center environments where reliability is non-negotiable.



2-5.4 MW Containerized Diesel Generator Systems Engineered for emergency standby. Delivered as a validated system.

Ingersoll Rand delivers containerized diesel generator systems spanning the 2-5.4 MW class, engineered for mission-critical emergency standby applications including data centers. Systems are provided as fully integrated, documented packages—designed, validated, and delivered under a single accountable integrator.

Electrical & Performance

- **Power Range:** 2-5.4 MW MW emergency standby configurations
- **Frequency:** 60 Hz
- **Voltage Options:** 480V or 13.8kV
- **Main Circuit Breaker:** Freestanding main circuit breaker (FSCB) included
- **Cooling Design:** Radiator systems engineered for high-ambient operation

Integrated System Scope

- Factory-packaged diesel generator set installed on sub-base fuel tank
- UL 2200 FTSR—certified finished acoustic enclosure
- Integrated fuel, cooling, exhaust, and electrical systems
- Delivered as a complete, coordinated system by Ingersoll Rand

Acoustic & Environmental Performance

- Acoustic performance engineered to meet site-specific requirements
- Containerized enclosure with mineral wool sound attenuation
- Designed for deployment near occupied or regulated environments

Fuel System & Runtime

- Sub-base fuel tank with double-wall construction
- Runtime configurable to meet project requirements
- Secondary containment and overfill protection standard

Compliance & Certification

- UL 2200 FTSR – Finished enclosure assembly
- UL 142 – Double-wall sub-base fuel tank
- NFPA 37 compliant design

Confidence When It Matters Most

Engineered for the moment you hope never comes.

Backup power is insurance you never want to use—but when the grid goes dark, everything must work exactly as designed.

With Ingersoll Rand, you gain:

- A fully engineered backup power system
- Proven integration and factory validation
- A single partner accountable from design through service
- Global support backed by 165 years of mission-critical experience

Contact

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Ingersoll Rand

Engineered uptime for the world's most demanding environments.



Rating Definitions: DCCP — Unlimited operating hours; data center backup only. No prolonged parallel utility operation. Standby / ESP — Variable load; up to 200 hrs/year. Utility outage or test conditions only.

Scaled Engineering. Global Support. One Accountable Partner.

165 Years of Mission-Critical Innovation

For more than a century and a half, Ingersoll Rand has delivered engineering innovation for environments where downtime is not an option.

Our global manufacturing footprint and expansive worldwide service network provide the scale, speed, and resilience demanded by today's data center and IT infrastructure leaders.

What this means for you:



Worldwide Production capabilities
supporting complex engineered systems



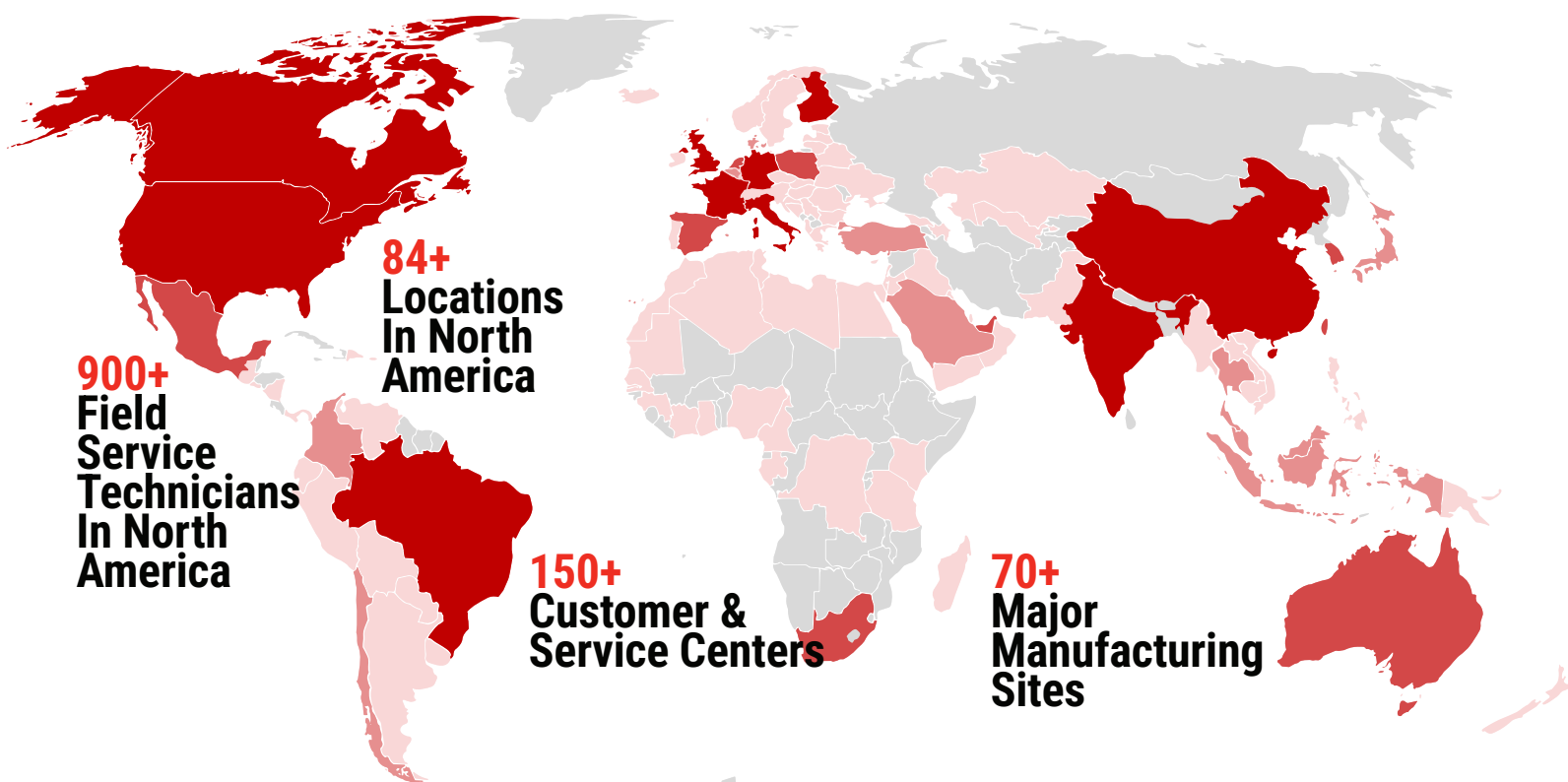
Scale of Supply
to meet aggressive project timelines



24/7 Global Support
with emergency response readiness



Proven expertise
across mission critical infrastructure



Extensive North American service footprint

From design and delivery to longterm maintenance, Ingersoll Rand remains accountable across the full lifecycle of your backup power systems.