



OUR SOLUTIONS
Turnkey Projects

PROENERGY

TOTAL DELIVERY. DOUBLE THE SPEED.

PROENERGY is your only call to do it all. We deliver all-inclusive turnkey projects featuring major equipment, balance of plant (BOP) systems, and services from site preparation through commissioning. The cornerstone of these projects is our 2x PE6000 power block: a standardized, modular, and scalable design that is visually indiscernible from one location to the next.

Superior solutions demand experience. We not only manufacture equipment, we own and operate generating sites that face the same challenges as you. Our turnkey solutions are built upon proven engineering and expertise that delivers world-class reliability all over the world. Serving as your sole point of contact, we manage every responsibility, simplify delivery, and get your power solution online in less time.

THE POWER OF ONE

Speed | 50% Faster

Come online in time. PROENERGY plants have consistent designs, spacing, and layouts to reduce engineering time by 33 percent and onsite time by 50 percent.

Reliability | 99% Start Reliability

Generate on demand. As an equipment manufacturer and owner operator, PROENERGY makes continuous improvements to deliver world-class performance and output for your site.

Experience | 6 GW

Reduce project risk. Leveraging our standardized equipment and power block design, our dedicated teams repeat quality installations and carry this rote experience from site to site.



STANDARD

Equipment Supply

- PE6000 aeroderivative engine
- Turbine and generator packages
- Generator
- Water-spray injection and fogging
- Winterization and anti-icing
- Exhaust ducting and stack
- Emissions control system
- Power distribution center (PDC)
- Allen-Bradley control system
- Consolidated auxiliary skid
- Lube oil cooler

BOP Systems

- Natural gas system
- Water treatment system
- Wastewater system
- Instrument and service air system
- Ammonia system
- Low-voltage system
- High-voltage system
- Control and relay system
- Civil and structural systems

BOP SYSTEM OPTIONS

- | | |
|-------------------------|--------------------------|
| • 50 or 60 Hz | • Gas compression |
| • Dual fuel | • Liquid fuel system |
| • Synchronous condenser | • Raw water system |
| • Blackstart generation | • Fire protection system |

SITE CUSTOMIZATIONS

- | | |
|--------------------|--------------------|
| • Stormwater pond | • Fire loop |
| • Evaporation pond | • Piled foundation |

Power Study
PROENERGY

50x UNITS
2,400 MW
48 months to create the world’s largest aero fleet

PROENERGY EQUIPMENT

PE6000 Aeroderivative Engine

Deployed and proven worldwide, our PE6000 aeroderivative engine is the ideal dispatchable generation machine. The 48 MW engine generates fast-start power on demand for either behind the fence applications or renewable support. Operating on multiple fuels from natural gas to diesel to hydrogen blends, it is the lynchpin between modern and legacy assets. Parts, components, and the engine itself are made to PROENERGY design and specification, and to be interchangeable with the LM6000PC.

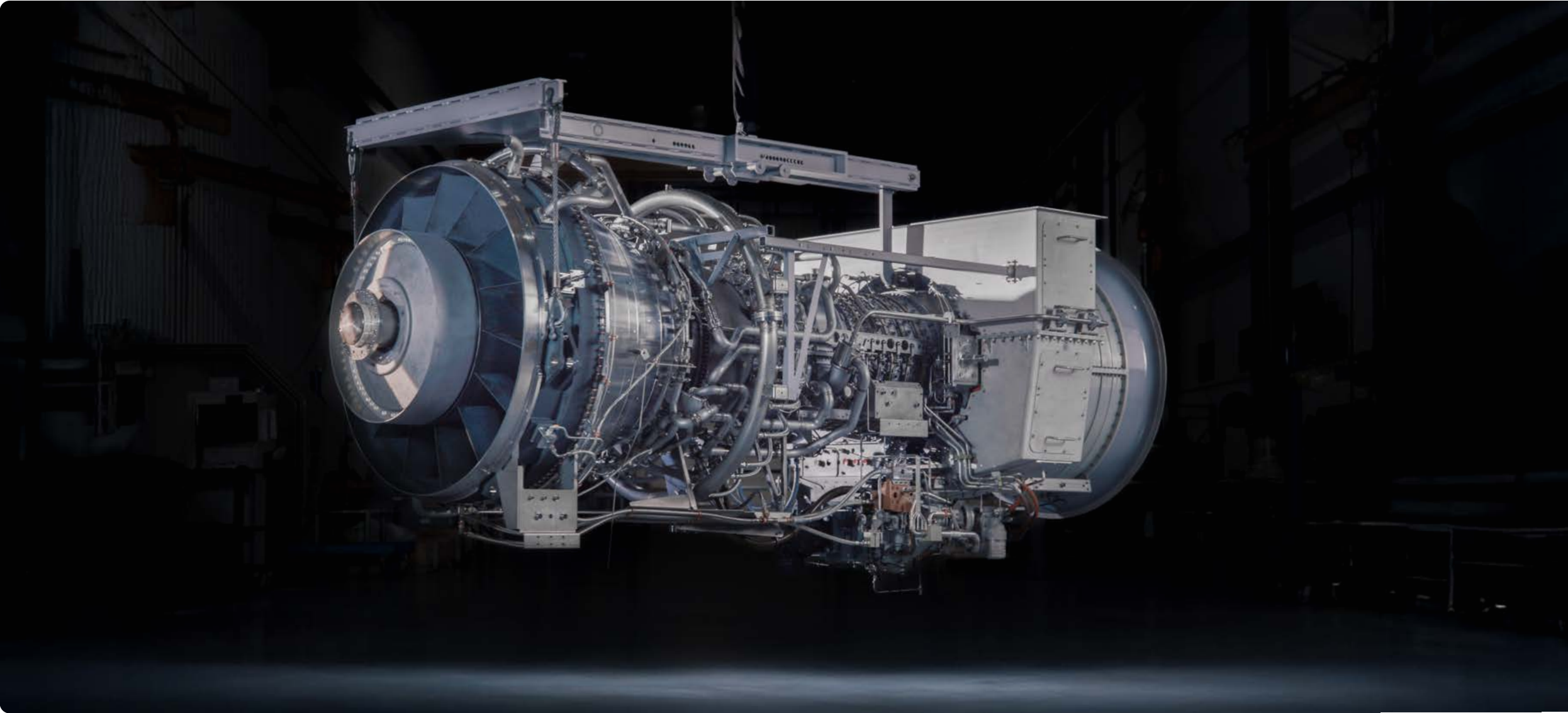
POWER SPECIFICATIONS

Net Output per Unit*	48,972 kW
Net Heat Rate*	8,980 Btu/kWh (LHV)
Startup Time	5 min
Delivery Voltage	Up to 500 kV
Fuel Sources (Flexible SAC Combustor)	Natural gas, liquid distillate, and hydrogen blends

**Based on 60 Hz natural gas operation at ISO conditions with water-spray power augmentation and inlet fogging. Auxiliary loads include standard online systems and generator step-up transformer (GSU) losses measured at the high-voltage bushings.*

TOP OF STACK EMISSIONS WITH THE SCR/COR CATALYSTS

NOx	CO	NH ₃ Slip
2.5 ppm	4.0 ppm	10 ppm



Package, built from raw steel to final assembly, has an identical design from one to the next with features that expedite installation, facilitate maintenance, and lower emissions.



PDC enables operating two generating units and includes a custom-built enclosure, control panels, electrical equipment, and cabinets.



Winterization, using enclosed skids, and **anti-icing system**, offering zero gas-turbine power loss, provide resilience in 40°F (4.4°C) and below.



Emissions control system, with exhaust stack, ammonia system, and selective catalytic reduction / carbon monoxide reduction (SCR/COR), reduces greenhouse gas by 90 percent or more.



Consolidated auxiliary skid cuts installation hours, simplifies maintenance with a gearbox-less water pump, and facilitates winterization using a standard enclosure.

ENGINEERING

At our Kansas City Engineering Center, a comprehensive, in-house engineering function addresses both the constructability and operability of your facility. The team encompasses multiple disciplines, including structural, civil, electrical, and controls, supported by capabilities in drafting, document control, and design.

Certified and licensed as Professional Engineers in multiple states and countries, our teams start with the standardized concept that has been proven across dozens of sites worldwide. Your solution entails a collaborative approach across all engineering disciplines, generating detailed plans that meet your goals while ensuring compliance with site permitting and environmental conditions and constraints.

Next is a seamless transition to procurement. The standardized design, equipment, and engineering makes procurement with repeated specifications and consistent vendors possible.





PROCUREMENT AND LOGISTICS

Our turnkey projects use sourcing strategies that protect against industry shortages and global disruption. Between our Sedalia and Houston warehouses, we maintain a multimillion-dollar permanently stocked inventory. We also maintain long-term supply agreements for critical BOP equipment, including a continual 2 GW slot reservation for generators, generator step-up transformers, and switchgear. Procuring this equipment at high volumes from our supply partners—predominantly in North America—prioritizes our orders, enhances price certainty, and minimizes tariff impacts.

In addition to strategic procurement, our projects centralize logistics through a single point of contact. We manage all deliveries, which includes import requirements and customs clearance. Coordinating this transportation eliminates the administrative burden on customers for smooth, on-time border transitions. Further, packing, shipping, and transport are engineered specifically for our standardized items so high-value and long-lead items arrive in good working condition.

PEOPLE

Our turnkey project crews are dedicated to PROENERGY equipment. Whatever the task, our crew members have internalized knowledge building standardized, repeatable power blocks the same way on every project. This engrained experience applies wherever they go for consistent quality and unmatched speed.

Our in-house teams span all managerial levels and all trades from site engineering to pipe fitting to deliver superior quality for even the most basic functions.

TRADES

- Project Manager
- Site Construction Manager
- Superintendent and Foremen
 - Civil / Structural
 - Mechanical
 - Electrical
 - Instrumentation & Controls (I&C)
- Craft Labor, Including Journeymen
 - Pipefitters, Welders, Millwrights, Steel Erectors, Concrete Finishers, Scaffolders, Riggers, Heavy Equipment Operators, Electricians, I&C/HVAC Technicians, General Laborers
- Logistics, Materials, and Tools Coordinator
- QA/QC Manager and Inspectors
- HSE Manager and Representatives

SAFETY

TOP 10%

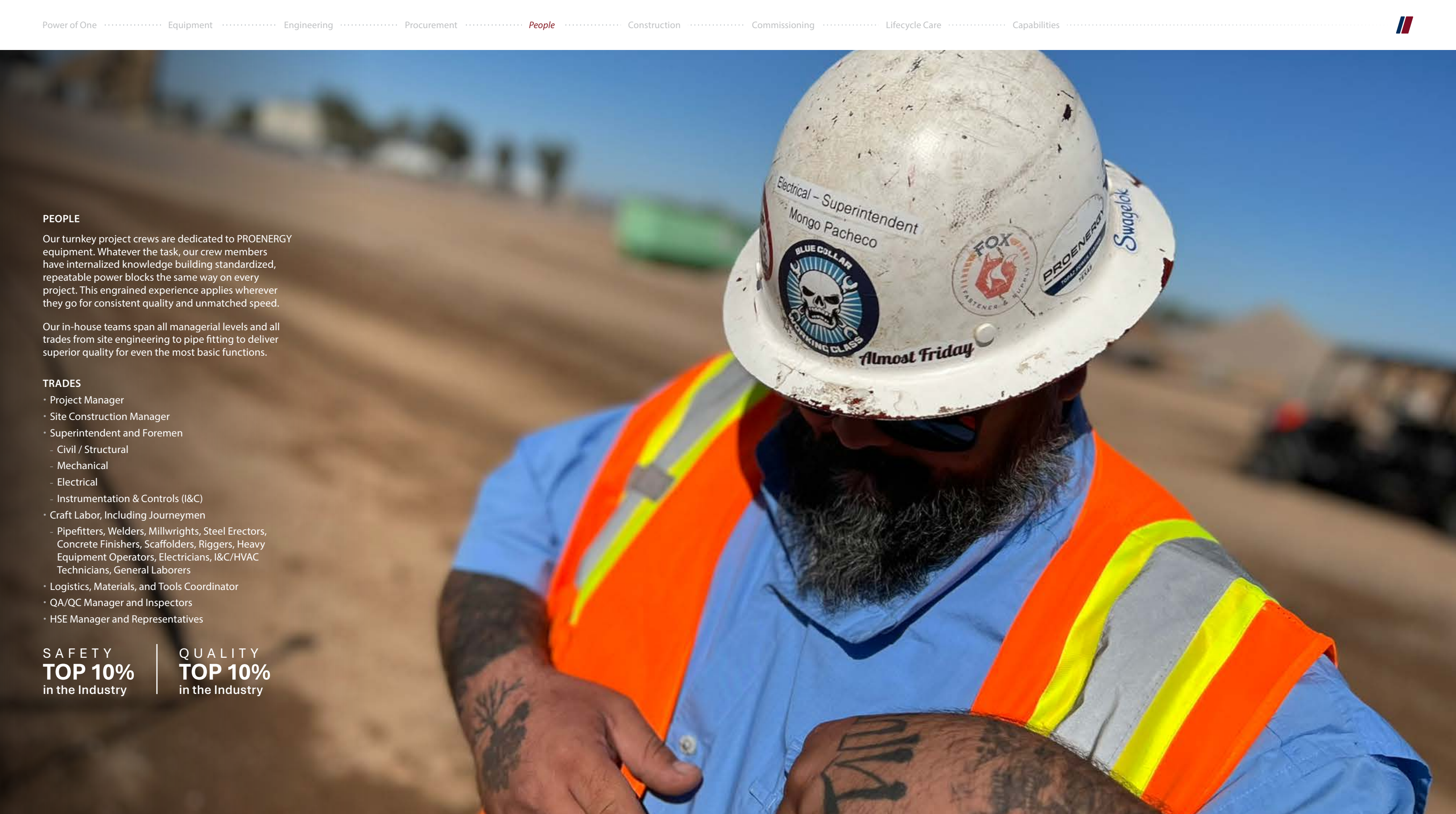
in the Industry

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QUALITY

TOP 10%

in the Industry





CONSTRUCTION

Our turnkey services include all activities to transform your site from greenfield to construction-ready. While engineers finalize your project, our turnkey crews kick off concurrent work to erect your made-in-Missouri equipment. Our standardized layout enables predictable execution as they set equipment packages, connect pipe and cables, integrate BOP and high-voltage systems, install the turbine, and ready the site for commercial power generation.

Offsite work accelerates construction time in the field. At our shop, we integrate and test input / output (I/O) landing points to make connections faster, and we color-code electrical wires to make finding them at the termination location easier. In addition, we perform fit, form up, and alignment at the factory. This ensures the construction crew places packages in minimal crane moves without leaks or gaps, while the standard design ensures that the layout and the pipe and cable routings are the same each time.

STARTUP AND COMMISSIONING

Our specialists reduce commissioning time and achieve successful first button starts. The PROENERGY standard includes our in-house startup and commissioning team to bring your facility online. Their experience with dozens of self-owned and third-party projects ensures a smooth, efficient process for each and every unit.

PERFORMANCE TESTING

PROENERGY single-point accountability includes a wrap guarantee that assures you of net generation inclusive of all BOP loading. Our performance testing is based on industry-standard ASME PTC protocols and includes comprehensive operation of all generating equipment, auxiliary systems, and emissions systems. At final commissioning, you receive proof that your plant is ready to deliver the guaranteed net output and heat rate within permitted compliance.





LIFECYCLE CARE

Protect fast-start equipment with PROENERGY. We put our aeroderivative experience, infrastructure, and inventory to work for customers with one comprehensive agreement. Facilities stay up and running through our O&M services, on-call field service teams, and a global aero depot network.

Depot services. We extend engine lifespans by delivering complete in-house capabilities, ranging from service bulletin implementations to hospital visits, rotatable exchanges, and major overhauls. With a 99 percent on-time project turnaround, we overhaul your PE6000, LM6000, and LM2500 turbines in 120 days guaranteed. An engine test for power and heat rate at our test cell can confirm performance.



Lease engines from an extensive inventory enable power generation in the event of an outage.



Technical services cover all onsite troubleshooting, maintenance, and aftermarket needs.



O&M services manage all plant procedures, training, compliance, and beyond from day-to-day operations to major maintenance.



Remote Operating Centers (ROCs) offer real-time monitoring, control, and diagnostics 24/7 by qualified operators at redundant NERC-compliant facilities.



Advanced Monitoring and Predictive Solutions (AMPS) helps to maintain uptime by predicting potential issues early and sending recommendations immediately.

OUR CAPABILITIES

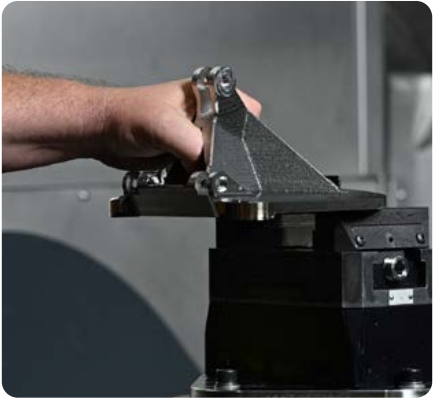
PROENERGY is an engineering, R&D, and manufacturing powerhouse. Where others see impossible challenges, we seize opportunities to lead aeroderivative innovation. Our company delivers fast-start, dispatchable generation solutions through comprehensive capabilities.

Engineering and R&D. PROENERGY created a world-class turbine, standardized package, and reliable balance of plant by owning and operating the equipment ourselves. Leveraging in-house expertise and a robust infrastructure, we wrote the origin story for the next era of fast-start power. We continue to pioneer by accelerating product development, executing turnkey projects, and supporting commercial fleets.

Fabrication and assembly. We manufacture packages with the user front and center. Our in-house process, including heavy fabrication, paint, and assembly, transforms raw steel to installation ready. We also manufacture maintenance-friendly, all-in-one auxiliary skids; design and build modern, open-source control systems; and research and develop multiple power augmentation solutions.

Turbine manufacturing. We manufacture engines that meet today’s challenges. Every PE6000 part is manufactured to our specifications and assembled by our skilled technicians. Using technology on the cutting edge, our advanced manufacturing center helps to deliver exceptional precision and meet exact tolerances in the making of our aeroderivative gas turbine.

Aero depot. We deliver quality and reliability through a global network of aeroderivative depots. Our Service Center of Excellence uses a five-gate process to induct, disassemble, repair, and reassemble turbines entirely on campus. While a multimillion-dollar inventory supplies spare parts and components, our proven condition-based approach—typically factoring in such things as a borescope inspection, fired hours, reversals, and an engineering analysis—restores others in an economical, sustainable way for continued engine operation.





PROENERGY