

WITH ELECTROMECHANICAL SYSTEMS AND AUXILIARY MACHINES RUNNING SMOOTHLY, YOU CAN STAY FOCUSED ON BIGGER CHALLENGES.

Healthy machines stay on schedule safely

Electric rotating systems and custom controls used in chemical plants

Expert and agile, FLANDERS works with some of the world's largest chemical producers, as well as smaller batch plants, to keep feedstock, processes, and products moving safely and efficiently.

With a focus on power, control, and electrical systems, FLANDERS offers quick-response field service 24/7 and a fast turnaround on critical repairs, rebuilds, and upgrades of machines used in chemical production:

- Blenders
- Tumblers
- Extruders
- Burners
- Incinerators
- Rectifiers
- Compressors
- Pumps
- Filtration systems
- Blowers
- Dryers
- Exhaust fans
- Conveyors
- Cranes and hoists
- Packaging machines
- Standby generators
- And other machines

SEVERE-DUTY TECHNOLOGY, SAFETY-VIGILANT PEOPLE

We've spent decades field-servicing and improving technology for severe-duty industrial machines used in inherently hazardous environments. So you can be sure safety is never a place we'll compromise – in design, materials, or action.

Power Systems

THE FOUNDATION OF HIGH, RELIABLE PRODUCTION

The specifics of power-system demands throughout chemical production vary greatly; a submersible pump, a burner, a rectifier, and a compressor face quite different challenges.

As end-to-end experts in power conversion and electric rotating equipment, we can recommend the best options for your particular operation, machine, and scenario. Then, whether that's a drop-in replacement or a more advanced FLANDERS motor – existing or custom, we can deliver, install, and commission whatever you need:

- 1-10,000+ horsepower DC and AC motors and drives
- Generators, alternators, and starters
- Transformers, switchgear, harmonic filters,
- MCCs, line and load reactors, etc.

Services

FROM BREAK FIXES TO TECHNOLOGY ENGINEERING

- 24/7 troubleshooting and field services
- Rapid motor exchanges; spares storage
- Repairs, rebuilds, upgrades of motors, drives, MG sets, generators, and alternators
- Onsite rewinding, cryogenic cleaning, and laser alignment
- Vibration routes and balancing
- Standby generator load testing
- DC to AC conversions
- Machine audits and PdM
- Systems integration
- Custom manufacturing of new or improved technologies and obsolete parts

Control Systems

ADVANCED MOTOR CONTROL AND MACHINE OVERSIGHT

FLANDERS controls and application experts can work with your team to improve motor control, energy efficiency, operator experience, and handoffs of materials – or data – between machines. We can do everything from control system migrations to telemetry and SCADA development to standardizing HMI across different brands and types of machines.

EXAMPLE PROJECT: A PLC-ENABLED, HAZARDOUS-GAS-LEAK RESPONSE SYSTEM

For a large petrochemical plant, we developed and implemented a hazardous-gas-leak response system that processed gas-sensor data through a custom PLC to govern automatic HVAC shutoff, control room isolation, and alarms.