



JNE

Automation



PROCESS CONTROL INTEGRATORS

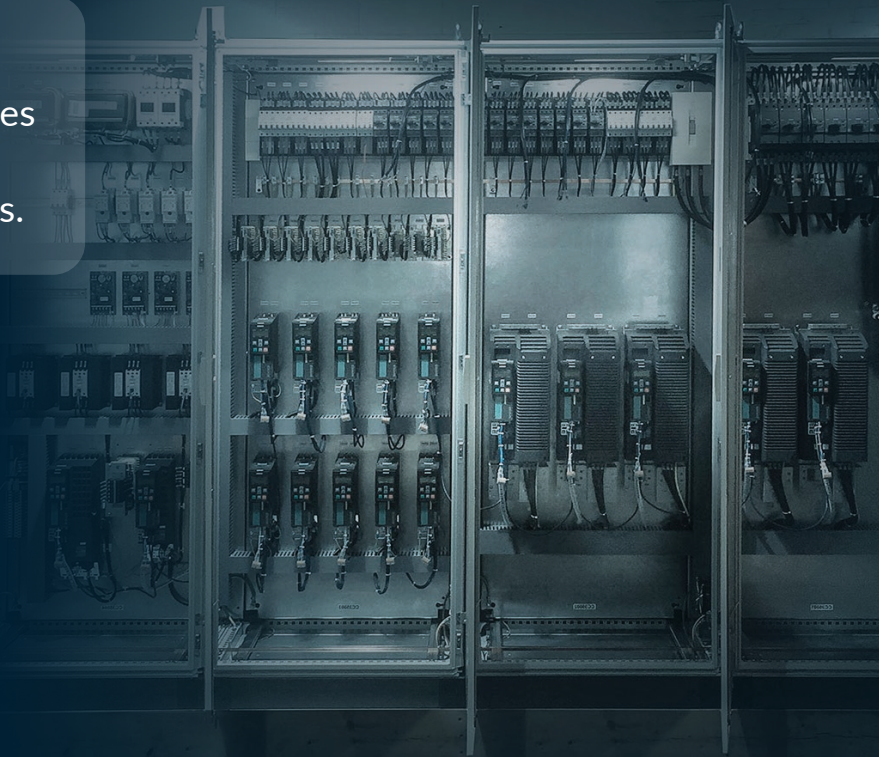
WORLDWIDE EXPERIENCE. WORLD CLASS SOLUTIONS.

About JNE Automation

We work on a global level to equip clients with new installations, upgrades and retrofits that result in improved process control, yield, and lower costs.

Our systems provide an easy, process-specific interface for operations and maintenance. These systems include asset management, change control, data and event history, and network management combined with the added capabilities of HART, Fieldbus, or Profibus enabled intelligent field devices.

We have the ability to supply all types of custom-built operator panels, control panels, and control desks and can arrange for ES&F inspections as well as provide required modifications to pass inspection.



Custom Control Systems

JNE Automation undertakes process control system upgrades, leveraging the diversity and power of integrated architecture systems to replace legacy DCS and PLC solutions.

Quality

We are ISO 9001 registered. From small single discipline to large multi-discipline projects, our work is completed within our Job Quality System (JQS) to ensure that we deliver exceptional quality and consistent products and services to you.

Safety



With TÜV Rheinland Certification, we specialize in machine safety systems and process safety systems, with emphasis on burner management systems and combustion control.

Expertise

- High Level Software and System Development
- Distributed Control System Development
- HMI and PLC System Development
- PLC Software Development
- Object Oriented Programming
- Operating System Integration
- Database Authoring and Integration
- Network/Internet Implementation and Integration

Services

- Conceptual Design
- "Proof of Concept" Testing
- Equipment and System Design with Multi-Discipline Engineering Support
- PLC, SCADA, and High Level Programming
- Schematic and Layout Drawings
- Electrical Control Panel Construction and Installation
- Factory Acceptance Testing (FAT)
- Site Acceptance Testing (SAT)
- Commissioning and Start-Up Services



Hardware and Software Experience

Alliances



PLC Systems

- Siemens S7 and S5
- Siemens Safety
- Rockwell GuardLogix & CompactGuardLogix
- Rockwell ControlLogix & CompactLogix
- Rockwell PlantPAx
- Rockwell SLC
- Schneider Modicon/Quantum
- Omron

Distributed Control Systems

- ABB (Bailey InFi 90) MIGRATION
- Siemens PCS 7
- Schneider – Foxboro IA (Invensys) MIGRATION
- Fisher ProVox MIGRATION
- Honeywell TDC 2000 & 3000 MIGRATION

AC & DC Drives

- TMEIC
- Rockwell
- Siemens

HMI Systems

- Rockwell FactoryTalk View
- Rockwell RSView and PanelView
- Siemens WinCC
- Wonderware InTouch
- Schneider Citect

Database

- OSI PI Historian
- Rockwell FactoryTalk Historian
- Rockwell FactoryTalk VantagePoint
- Rockwell FactoryTalk Asset Management



Select Experience

Mining and Metals

PRIMARY STEEL MAKING

#2 Blast Furnace Control System Upgrade

ArcelorMittal Dofasco • Hamilton, Ontario

Coke Ovens Water Treatment Plant

U.S. Steel • Hamilton, Ontario

#6 Blast Furnace Control System Upgrade

Essar Steel Algoma Inc. • Sault Ste. Marie, Ontario

METAL FORMING

Basic Oxygen Furnace (BOF) AutoTap Systems

ArcelorMittal Dofasco • Burns Harbor, Indiana

Converter K2 Control System

U.S. Steel • Smederevo, Serbia

#2 Slab Caster GEPAC Replacement

Essar Steel Algoma Inc. • Sault Ste. Marie, Ontario

COLD ROLL, PICKLING & GALVANIZING MILLS

#3 Galvanizing Line Passivation Control System

ArcelorMittal Dofasco • Hamilton, Ontario

#5 Pickle Line Upgrade of Control and Operator Interface Panels

U.S. Steel • Great Lakes Division

Four New Galvanizing Process Lines

ThyssenKrupp • Calvert, Alabama

Replacement of Reversing Cold Mill Main Drives

Nucor • Blytheville, Arkansas

New Bar and Rail Process Line Drives and Control, Commissioning and Start-Up

Steel Dynamics Inc. (SDI) • Columbia City, Indiana

Cold Mill Pickle Line Control Upgrade

Essar Steel Algoma Inc. • Sault Ste. Marie, Ontario

HARD ROCK MINING

Ore Conveying System Upgrade

Iron Ore Company of Canada • Labrador City, Newfoundland



Pharmaceuticals and Consumer Products

CLEAN ROOM PROCESS MANUFACTURING

New IC Chip Process Line
Gennum • Burlington, Ontario

Flaker Control System Design
Apotex • Toronto, Ontario

New Skin Care & Hair Care Plants
Procter & Gamble • China, Japan, Vietnam, Thailand, South Korea

SECURITY

New Skin Care & Hair Care Plants
Procter & Gamble • Hamilton, Ontario

New Generic Medication Production Line Facility
Apotex • Toronto, Ontario

PACKAGING

Dry Bag System Control Upgrade
Innophos • Port Maitland, Ontario

Cleaning Product Line Bottling Control System Upgrade
Diversey Inc. • London, Ontario

Bar Soap and Shampoo Bottle Packaging
Procter & Gamble • China, Japan, Vietnam, Thailand, South Korea

REGULATORY PROCESS VALIDATION

New Generic Medication Production Line Product
Blending Data
Apotex • Toronto, Ontario



Utility Services and Management

AIR QUALITY

New IC Chip Process Line Air Filtration Control to Class 100

Gennum • Burlington, Ontario

New Generic Medication Production Line Air Filtration Control to Class 100

Apotex • Toronto, Ontario

Foskor Phosphate Mine Fume De-Dusting Control System

AIR (Advanced Integrated Resources) • Phalaborwa, South Africa Mine Site

STEAM GENERATION

Boiler Burner Management System (BMS) Upgrades on Three Boilers

Campbell Company Canada • Toronto, Ontario

#4 Boiler Burner Management System (BMS) Upgrade

Essar Steel Algoma Inc. • Sault Ste. Marie, Ontario

CONVEYORS & MATERIAL HANDLING

Pick & Place Coil Handling System Turn-Key Solution

Steelcare Inc. • Hamilton, Ontario

Raw Material Yard Conveyor System Controls

ArcelorMittal Dofasco • Hamilton, Ontario

Product Delivery System New Skin & Hair Care Plants

Procter & Gamble • China, Japan, Vietnam, Thailand, South Korea

WATER TREATMENT PLANT (WTP)

#3 Blast Furnace Cooling System Water Treatment Control Upgrade

ArcelorMittal Dofasco • Hamilton, Ontario

HEAT RECOVERY

#1 and #2 Turbo-Generators Control Systems

ArcelorMittal Dofasco • Hamilton, Ontario

WASTEWATER TREATMENT PLANT (WWTP)

Coke Ovens Wastewater Treatment Plant Control System Upgrade

U.S. Steel • Gary, Indiana, Gary Works Division

Primary Wastewater Treatment Plant Control Improvements

ArcelorMittal Dofasco • Hamilton, Ontario



Energy

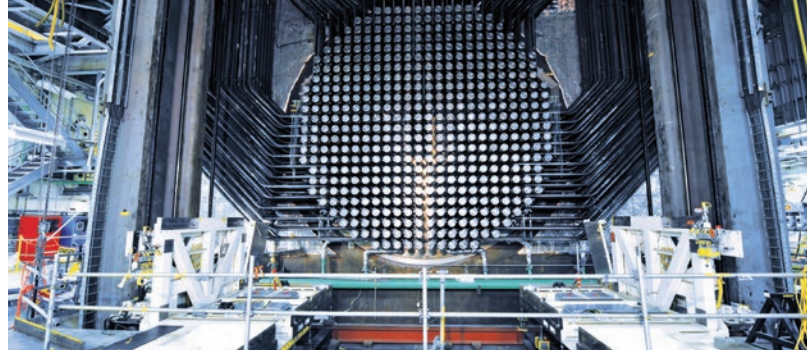
FUEL PROCESS CONTROL & SAFETY SYSTEMS

High-Speed Monitoring System for Load Shedding
GreenField • Chatham, Ontario

New Control System
Found Energy • Rosetown, Saskatchewan

PROCESS EMISSIONS COMPLIANCE

Control System Upgrade on Eight Coal-Fired
Steam Generators
Ontario Power Generation (OPG) • Nanticoke, Ontario



Nuclear

NUCLEAR WASTE HANDLING SYSTEMS

Spent Fuel Rod Handling System Control Upgrade
Sargent & Lundy • Pickering, Ontario

AUXILIARY PROCESS SYSTEMS

Upgrade Hydrogen Dryer Control System Turn-Key Supply
Including Training
E.S. Fox Ltd. • Bruce County, Ontario



Air Products and Chemical

AIR SEPARATION

Oxygen Plant Control System Upgrade
Praxair • Sault Ste. Marie, Ontario

EXOTHERMIC & CRYOGENIC PROCESSES

New Control System
Ningxia Chemical Works Ammonia Plant • Ningxia,
People's Republic of China



Oil, Gas, and Petrochemical

UPSTREAM & DOWNSTREAM PROCESSES

Control System Commissioning and Start-Up
Shell Canada • Albion Sands Mine Site, Alberta

New Deep Sea Oil Platform Control System Programming
ABB • St. John's, Newfoundland Offshore

Safety ESD Processes and Procedures Audit
Plains Midstream Canada (PMC) • Sarnia, Ontario

JNE AUTOMATION

Contact us to learn how we can apply our years of experience to your bottom line:

CANADIAN HEADQUARTERS

176 Shaw Street
Hamilton, Ontario
Canada L8L 3P7
Phone: (905) 529-5122
Fax: (905) 529-1974

US HEADQUARTERS

103 Gamma Drive
Suite 160
Pittsburgh, Pennsylvania
15238, USA
Phone: (412) 963-1950
Fax: (412) 963-1618

EMAIL

info@jnegroup.com

WEBSITE

jnegroup.com/automation

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For further information, please visit JNEGroup.com.*

