



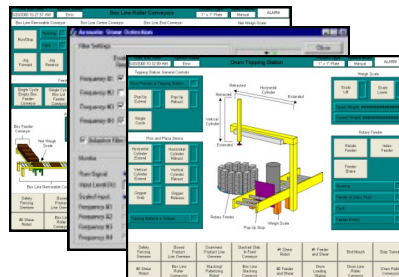
CONSULTING ENGINEERING

Ionic provides mechanical, electrical, instrumentation, controls, and civil/structural engineering consulting services, specializing in heavy industrial applications. We can help at all stages of the project, from scoping and budgeting, through detail design and commissioning.



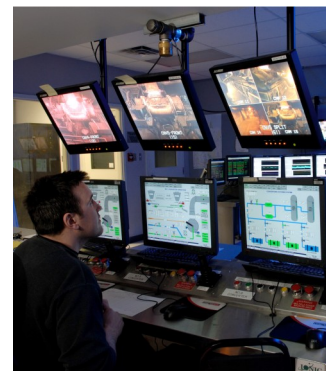
We work with your team to achieve designs that suit your application and environment.

We have experience with hot metal and harsh environments.



We can design and implement HMI/SCADA control systems using any interface package.

Ionic designs and builds custom controls systems for new and existing applications.



Electrical/Controls Engineering

We provide all general electrical engineering services for entire plants, mines or individual systems, such as:

- Power distribution
- PLC/DCS systems
- SCADA/HMI systems
- Motor controls—low voltage through 4160V
- Machine safety systems
- Process controls and instrumentation
- Power and energy management

Civil Engineering

Ionic's civil/structural engineering services include:

- Structural steel and concrete design & analysis
- Civil works, foundations & piling
- Repairs & modifications to existing structures

Mechanical Engineering

Ionic offers mechanical engineering services in broad range of disciplines:

- Fan, blower and compressor systems
- Pumping and piping
- Medical Devices
- Bulk material handling
- Pneumatics & hydraulics
- Special-purpose machinery and robotics
- Materials engineering and abrasion resistance
- Vibration analysis & control

Project Management

In addition to engineering, we provide project management services such as:

- Feasibility and cost studies
- Construction management
- Project commissioning