

# Electrical Engineering for LIGHT METALS



## Metals Expertise



H2E has proven expertise in supporting all facets of aluminum and light metal manufacturing including plate and sheet milling in the ISO 9001 quality environment.

## Power Distribution



From Substation to Low Voltage Distribution and Utilization, H2E has the unique in-house expertise to design your complete power Medium and Low Voltage systems.

## Plant Control Systems



H2E's Automation Team understands and can design an integrated plant control system from hardware controls to PLC controls, including your network communications system.

## Start-up & Commissioning



All H2E developed power, control and software engineered solutions are commissioned by H2E engineers on your site ensuring functionality and safety requirements. Our engineers will fully comply with all your site safety requirements.

**H2E looks at your plant the way you do, with an eye on making it safer, cleaner, and more productive.**

## Service tailored to your needs

From the substation down to each HMI screen, we provide all your power and automation support

## Controls and Automation Engineering:

- PLC development and system upgrades
- SCADA and HMI development and upgrades
- Safety system design/FMEA/HAZOP/SPOF
- Instrumentation design
- Burner management systems
- Panel design and fabrication
- I/O drawings
- Network and radio communication systems

## Electrical & Power Distribution Engineering:

- Medium voltage power system design, specification, procurement, and upgrades
- Plant one-lines and motor control schematics
- Power studies: arc flash, harmonics, coordination
- Project analysis and ROM budgeting
- Design and drafting services

