

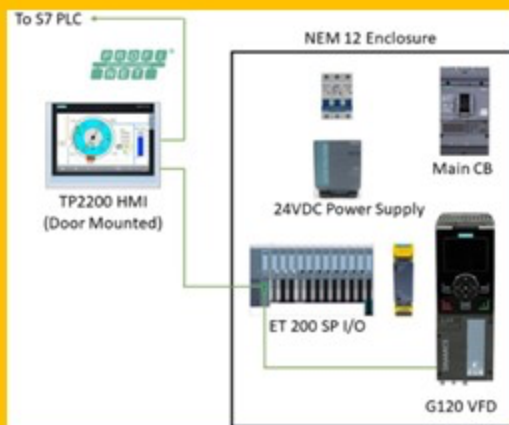
# Project Profile

A leading steel manufacturer engaged Industrial Automated Systems (IAS) to upgrade an outdated Programmable Logic Controller (PLC) and integrate a Variable Frequency Drive (VFD), Human Machine Interface (HMI), and laser sensors for precision measurement. IAS conducted a comprehensive field investigation at the customer's site to assess the existing setup. Subsequently, IAS engineers commenced the design phase, developing a new control panel, crafting the PLC program, and creating the HMI application. Following a thorough design review with the customer, construction commenced.

In collaboration with our partner company, Triune Electric, we provided a seamless turnkey solution, encompassing startup, commissioning, and delivery of a comprehensive documentation package. The project was successfully delivered on schedule and within the allocated budget.

#### Major components:

- NEMA 12 enclosure with circuit protect and pilot devices
- Siemens PSU6200 24VDC power supply
- Siemens SIMATIC ET 200 SP I/O with Profinet communications
- Siemens SINAMICS 20 HO G120 VFD with Profinet communications
- Siemens SIMATIC TP2200 HMI
- Siemens SIRIUS safety relay



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