



Mayura Automation & Robotic Systems

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CORRUGATED CEMENT ROOF MACHINE AUTOMATION

Manufacturing Industry

PLC/HMI BASED SOLUTION



ABOUT THE PROJECT:

The automation of corrugated cement roof manufacturing machine is used to manufacture high quality roofs for industrial and commercial use. The customer is the Manufacture of dry mix cement, dry mix cement plants and cement roofs.

The existing machine which was manually operated was re-designed to semi-automatic operation without much mechanical structural changes by our team of engineers. PLC automated solution was provided with the environment and user friendly options as major criteria.

SOLUTION OFFERED:

PLC: Schneider Electric Modicon Premium Controller

HMI: Schneider Electric Magnelis HMISTU65T

SCOPE OF MAYURAS:

PLC Programming

HMI programming

Integration with existing system

Control Panel Design and wiring

FEATURES:

- Precise cutting options from HMI
- Machine safety and alarm indications
- Cement roofs with industry set norms and thickness.
- PLC, HMI suitable to the rugged manufacturing environment and temperature conditions.
- Operator Friendly semi-automatic operation