

Project Profile

Tire & Rubber Industry

A major, global tire manufacturer engaged Industrial Automated Systems for an upgrade to their Banbury Mixer and associated systems. The upgrade encompassed conveyors, weigh belts, the slab loader, and the dust collection system, along with the provision of thirteen (13) new control panels. These panels comprised power and VFD panels, the main PLC panel, operator panels, and remote I/O panels.

The electrical design, including power distribution, ControlLogix PLC programming, PowerFlex VFD parameterization, HMI application development, and a safety assessment was provided by IAS engineers. They seamlessly transitioned the Rockwell Automation PLC 5 code to the new ControlLogix platform, while also developing new communication protocols and networking to interface with utilities for safety communications and alarms, as well as IT for batch and recipe download.

Furthermore, our team extended installation support, managed startup procedures, and supervised commissioning. Collaborating closely with our sister company, Triune Electric, who handled the electrical installation, we ensured a turnkey solution was seamlessly executed. To guarantee the project's smooth conclusion, a meticulously prepared comprehensive documentation package was delivered.



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