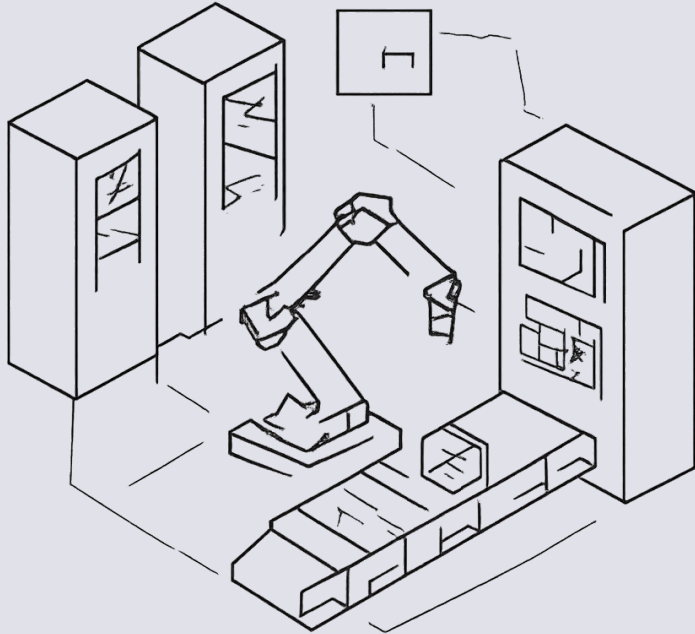


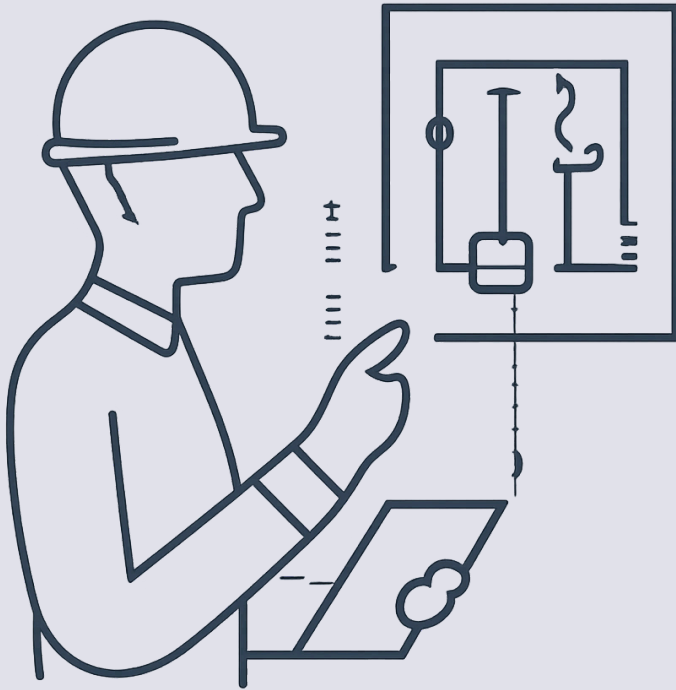


HOSUR META COATS PRIVATE LIMITED

Industrial Coating Plant Electrical & Automation

NEXTTURNER TECHNOLOGIES PRIVATE LIMITED

Challenge & Requirement



Integrated Infrastructure

Replace fragmented electrical systems with a unified, coordinated infrastructure across all manufacturing stations.

Centralized Automation

Establish centralized automation control for consistent, reliable plant-wide operation with minimal manual intervention.

Equipment Protection

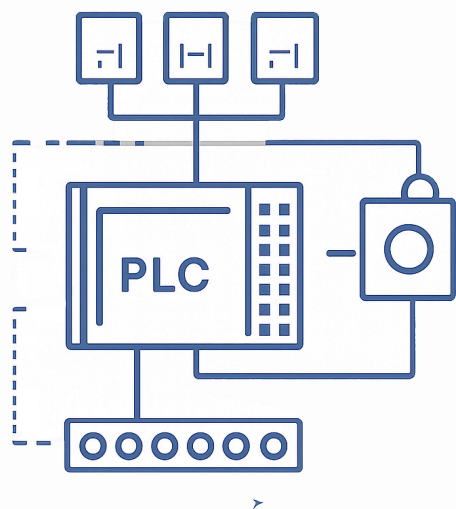
Implement robust interlocking mechanisms to prevent operational errors and safeguard critical plant equipment.

System Diagnostics

Enable faster troubleshooting and comprehensive system diagnostics for improved process control and uptime.

NexTurner's Solution & Implementation

Complete End-to-End Automation Architecture



1 Field Electrical Work

Complete field electrical infrastructure, control systems design, and installation across the plant.

2 PLC Control Panels

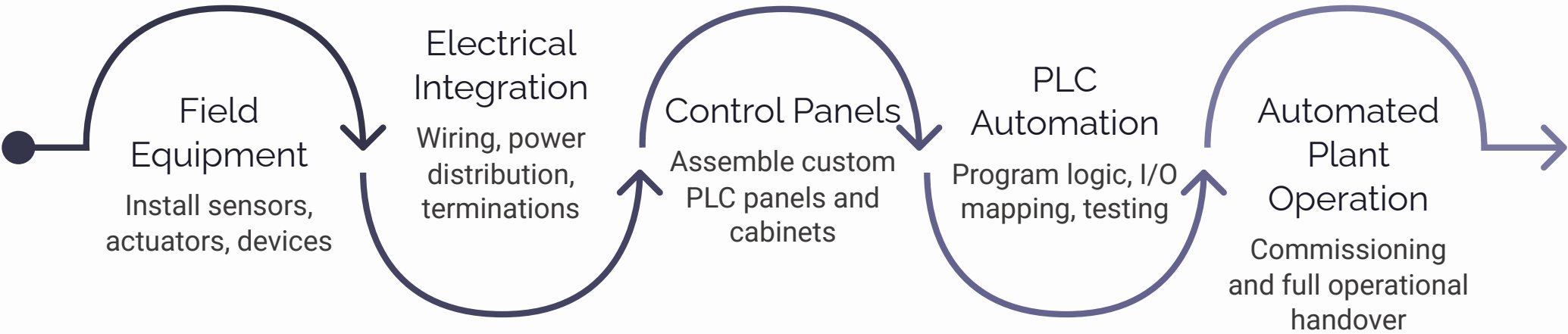
Custom PLC panel development with oven electrical control and automated safety interlocks.

3 Automation Programming

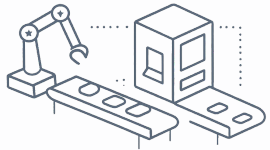
Custom PLC logic for coordinated sequencing, equipment interlocking, and field-device integration.

4 Testing & Commissioning

End-to-end validation ensuring reliable, fully commissioned automated plant operation.



Project Outcome



Fully Automated Operation

Coordinated equipment sequencing with significantly reduced operator workload and manual intervention.



Centralized Control

Unified plant management enabling consistent process control across all production cycles.



Faster Diagnostics

Enhanced troubleshooting capability and structured automation infrastructure ready for future scalability.

❏ Automated interlocking provides continuous equipment protection – preventing operational errors before they occur.

Future Digital Transformation Opportunity

Roadmap for Connected Manufacturing at Meta Coats

The current foundation of field electrical work and PLC automation positions Meta Coats for a structured digital evolution. Each phase builds seamlessly on the last – from operator visibility to full smart manufacturing intelligence.

CURRENT STATE: PLANT ELECTRICAL & PLC AUTOMATION ✓



Automation Built for Today. Ready for Tomorrow.

NexTurner Technologies looks forward to supporting Meta Coats in its continued journey toward efficient, connected, and digitally enabled manufacturing.

