

dastur business
& technology consulting
— A Division of M.N.Dastur & Company (P) Ltd —



Level-1 Automation Software development and commissioning for one of the largest steel plant equipment and process suppliers - Germany



Case viewpoint:

Situation: The client being one the largest and most renowned equipment suppliers in the world the challenge lies in meeting their quality standards, large complex algorithms, complex functional descriptions and high standards in the quality check and tests. Some of the projects are more than two years. The projects are for large integrated plants in South America, East Europe, Northern Africa, Far East and India.

Role: DBTC is responsible for preparing the complete functional description, building the ladder logic, developing the software, simulating and testing and finally commissioning at site. The team has to work closely with the client process group to develop the logic and then build the software and finally go to the site and be part of the commissioning team.

Platform ,Technologies and Environment :

1. Siemens S-7 PLC with PCS -7 platform, simatic manager and for SCADA WINCC and simmit for simulation.
2. I/O modules with both digital and analog inputs/outputs.
3. Profibus and Ethernet integration to drives and higher level systems.
4. Operator control panels design
5. Simulation, Verification, testing and integration tools

Processes:

1. Submerged Arc Furnace
2. Electric Arc Furnace
3. Ladle Furnace
4. Argon Oxygen Decarbunisation Furnace
5. Material Handling System
6. Dedusting Plant
7. Gas Cleaning Plant
8. LD convertors