# IT INFRA SOLUTIONS - SMARTRACK (1000 CORE HPC)

**SUPPLY | INSTALL | INTEGRATE | TEST | SUPPORT**

## Project Overview

TATA Elxsi had provided an Upgrade Solution for the High-Performance Compute (HPC ) System for this Steel Maker

## Problem

Research & Development (R&D) Team of the client wanted to upgrade its existing 500-core HPC system (Implemented & maintained by Tata Elxsi) to a 1000-core HPC system with a job scheduler for its researchers, which can serve up to 100 of its production BU's working on Steel making & Casting.

## TATA ELXSI Solution

Tata Elxsi has provided a
- Smart Rack Solution that can Provide for up to 3000 core HPC system
- This was accompanied with a Cluster Manager and PBS job scheduler, with all, aspects of safety and security
- An UPS system having up to 180KVA of power strength was also integrated with the solution
- Active Precision Cooling, Remote monitoring with Email alert, NFPA Complaint, Intelligent Fire Detection System
- Incident Alarm, 24 x 7 health monitoring, Performance and Resource Utilization with Bio-Metric access control and CCTV Surveillance