



"MIDDAS worked closely with the Jaguar Land Rover & Tata Motors engineers to successfully design & deliver a bespoke solution which has transformed the facility beyond our expectations. India is an incredibly difficult environment to work & do business in, however, MIDDAS managed to quickly adapt, whilst maintaining professional at all times. I hope that MIDDAS & Jaguar Land Rover can continue to maintain a strong relationship and work together on future projects."

Mr J. Vickers
Senior Manager,
Global Facilities Engineering

Mr I. Bugby
Equipment and Installations Manager,
Global Facilities Engineering

TATA MOTORS LTD PUNE, INDIA

Project Overview

Project	Tata Motors Ltd, Jaguar Land Rover, Engine Manufacturing Centre
Location	Pune, India
Application	Advanced manufacturing facility
Walls	Bespoke fire rated solutions developed from the tried and tested M100 product. 2hr fire rated walls and wall lining solutions
Ceilings	M-WOC walk-on ceilings to vestibules
Doors	Flush glazed and fire rated solutions
Glazing	60-minute fire rated, secondary flush glazing
Miscellaneous	Bespoke solutions to meet complex design criteria
Performance	Heavy Duty rating to BS 5234: Pt: 2, 60-minute & 120-minute fire rated to BS 476 Part 22, thermal enhancement to building envelope

Background

To support their global expansion, Jaguar Land Rover and parent company Tata Motors Ltd have invested in a new Engine Manufacturing Centre at TML's vast Pune manufacturing facility in the Maharashtra region of India. Initially the plant will produce the latest Ingenium family of advanced, ultra-efficient petrol and diesel engines to supply cars sold in the Indian market, with plans to eventually expand this to worldwide sales in support of their halo Engine Manufacturing Centre in the UK. After demonstrating our capabilities at their UK facility, MIDDAS were selected by TML & JLR to provide our M100 bi-panel product and bespoke walling solutions for the complex fit out and upgrade to the Pune facility.

Brief

A requirement for a fully-flush wall system to encapsulate existing building structure and services, providing a clean envelope to control air quality and thermal performance. The division of the proposed manufacturing space with fire performance of up to 2hrs

Solution

Using a development of our M100 bi-panel, wall system, MIDDAS provided a bespoke solution of a self-supporting, 90-degree, 7.5m high, fire rated partition to enclose the existing building services and steelwork within the inner walls of the facility. Dividing walls with performance of 2hrs integrity & insulation using the 200mm variant of our M100 partition system, with enclosures, wall lining and flush secondary glazing to compliment the package from the same M100 family of partition solutions.



BEFORE



AFTER



BEFORE



AFTER



BEFORE



AFTER



BEFORE



AFTER

