



**BESTEN**<sup>®</sup>

## CLIENT CASE STUDY



**Global manufacturer of automatic lift doors with manufacturing plants in India**

**Fermator**  
AUTOMATIC DOORS FOR LIFTS



## About Techno Doors - Fermator

Fermator Group is the largest manufacturer of automatic doors for lifts in the world with its headquarters in Spain. Tecno Doors is the wholly owned subsidiary of Fermator in India.

## Project Summary

**Project: Industrial Plant for the Manufacture of Automatic Doors for Lifts.**  
**Location of the Project: SIPCOT Industrial Park, Sriperumbudur, Chennai, Tamilnadu.**  
**Land Area – 6 Acres**  
**Built-up Area – Factory: 14000Sq.Mtrs**



### Challenges

They were looking for Flexi-Layout design to encrease production and speed up delivery



### Solution

Delivered a single-view holistic design for flexi-Layout and maximum mobility of machines in shop floor



### Impact

Maximum machine productivity capacity and ergonomic designs for people at work

# ABOUT THE PROJECT



This plant has become one of the landmark project in the industrial area it is located. The manufacturing plant building is constructed in PEB structure with 72 Mtr span. The flooring is FRC with inbuilt light green colour, non-dusting, and non penetrating finish without any surface coatings. The factory floor construction is suitable for flexi layout which means any machine can be kept on floor at any location without the need for separate foundations. Press Brakes, Automatic Turret Punching Machines, Paint Shop Equipments and other manufacturing equipment is installed directly on the floor. The office is in RCC construction and attached to the PEB building based on a corner office concept.

## SOLUTION DELIVERY

Set up of a industrial architecture design team, developing standardized design sharing channels with the customer. Releasing the approved concept and with a holistic design, comprising all engineering design disciplines in one single view.

Delivered optimized designs, resulting in ease of change over and increased ease of plant operation and maintenance, thereby saving time and effort. The office building is centrally air-conditioned and also accommodates training centre, multiple meeting rooms, board room, air-conditioned canteen and welfare facilities.

The site is extensively landscaped and paved with true international styling.



## BUSINESS IMPACT

Provided optimised designs with easy service, maintenance and passed on 20% cost savings on the project.

Design based on pro-environmental production, ergonomic and for smooth business activities.

Design focused to reduce resources avoid wastage of resources & maximum space utilisation for machines.

Focused implementation of green-building that helps, today and future expansions.

**“ THE SITE IS EXTENSIVELY LANDSCAPED AND PAVED WITH TRUE INTERNATIONAL STYLING. ”**



## ABOUT BESTEN

**Besten is a 25 years old design house specializing Industrial designs, Industrial factory layouts and production plants.**

**As design specialist for Industrial architecture, our industrial design solutions cover green energy design, lean manufacturing and robotic productions.**

**Besten provides innovative design solutions to both green field and brown field industrial projects for optimised design, save cost and increased production capacity.**

For more information - [roshini@besten.in](mailto:roshini@besten.in)