



## CLIENT CASE STUDY



**Industrial machinery manufacturer want manufacturing plant in Tamil Nadu**



### About Rico Auto Industries Ltd

Rico Auto Industries Ltd is a world-class engineering company engaged in design, development, tooling, casting, machining assembly and supply of a wide range of high precision, fully machined aluminium and ferrous components and assemblies to automotive OEMs across the globe

### Project Summary

**Industrial Manufacturing Plant to produce high precision, fully machined aluminum and ferrous components and assemblies, location at SIPCOT Industrial Park, Chennai. Land Area: 23.50 Acres, Built-up Area – Factory: 8000.00 Sq.Mtrs & Built-up area – Office: 2000 Sq.Mtrs**



#### Challenges

Specified zero discharge of water.



#### Solution

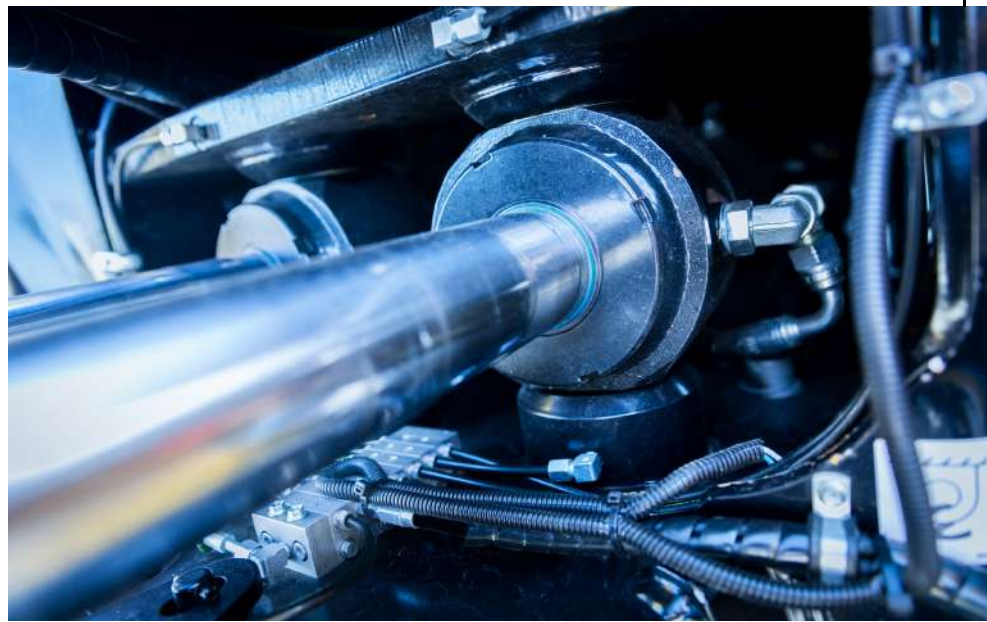
Followed research-based discovery process. design optimisation, value engineering and world class factory design



#### Impact

Increased production through-put, saved huge amount of investments. Met the challenges 100%

# ABOUT THE PROJECT



The master plan for the project provides for complete setup for design, development, tooling, casting, machining assembly and supply of high precision, fully machined aluminium and ferrous components and assemblies. The present construction was targeted at the immediate requirements of the project. Besten designed various manufacturing buildings, utility buildings and the complete infrastructure for the project considering the future requirements. The factory is constructed in PEB structure with crane loading of 30 Tons capacity. The factory accommodates pressure die casting and machining centres.

## SOLUTION DELIVERY

- Master Planning
- Infrastructure Design
- Architectural Design
- Structural Design
- Detailed Engineering
- Procurement Support and Tendering
- Statutory Approval Drawings and Documentation for Local Authorities and PESO



### Utilities and Services

- Compressed Air
- Electrical System
- Effluent Treatment & Recycling
- Fire Protection System
- Rain Water Harvest

## BUSINESS IMPACT

Delivered design based on the clearly define goals and minimum requirements for sustainability/efficiency, safety and security as part of an organization's business.

Project cost optimization and saving of infrastructure budget up to 18%.

The effects of sustainable building practices on employees and other stakeholders are the primary benefits that have been impacted

**“  
INCREASED  
FEELING OF  
LOOKING FORWARD  
TO WORK AND  
BEING IN GOOD  
SPIRITS AT WORK  
”**



## 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.**

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