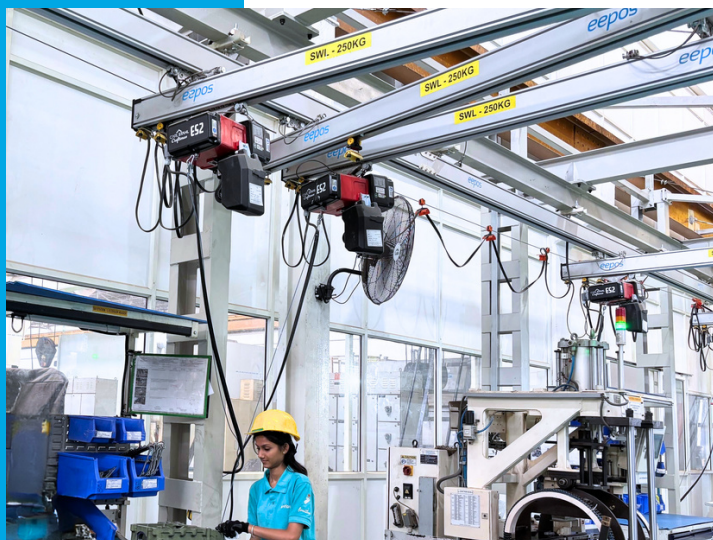




# Customer Success Story

Enhancing Engine Sub-Assembly  
Material Handling with eepos Rail  
System



## OVERVIEW:

- Advanced aluminium rail system implemented for a **manufacturing company**.
- Improved **ergonomics** and **reduced manual handling effort**.
- Enhanced efficiency in **Flywheel, Cylinder Head & Conrod assembly operations**.

## KNOW THE CUSTOMER

- Leading manufacturer of **diesel engines** and **power generation solutions** in India
- Advanced manufacturing capabilities with **high-performance industrial engines**.
- Strong focus on workplace safety and operational excellence.

## CUSTOMER REQUIREMENTS

- Smooth and reliable handling of **heavy engine components**.
- Reduction in manual lifting and operator fatigue.
- Precise positioning support during assembly processes.

## KEY CHALLENGES

- Heavy engine handling caused operator fatigue.
- **Flywheel and Cylinder Head** positioning was difficult.
- High dependency on **manpower** for handling operations.

## OUR SOLUTION

- **Lightweight aluminium rail system** for engine sub-assembly.
- Improved **handling efficiency** and **operator ergonomics**.
- Smooth movement for **Flywheel, Cylinder Head, and Conrod assemblies**.

## CUSTOMER BENEFITS:

- Improved assembly precision and positioning accuracy.
- Enhanced workplace safety and operator ergonomics.
- Increased productivity with smooth and reliable material handling.
- Reduced operator fatigue and manual handling effort.