

# CASE STUDY

## AMERICAN MULTINATIONAL CONGLOMERATE

AMRs enable safety and automation as per global processes

### ● CHALLENGE WITH AUTOMATION OF MATERIAL MOVEMENT

- Objective was to increase plant throughput with reduced manpower
- Real time tracking required for material movement
- Existing process not compliant with Industry 4.0



### ● SOLUTION

- AMR for automating material movement for assembly operations
- Existing trolley used without any design modification

### KEY FEATURES

- Auto-docking charging system to eliminate battery handling by operator
- AMR interface with line side machines for automatic dispatching & sequencing
- On-board safety interlocks

## RESULTS



Head count optimized by 75%



ROI of 26 months



Higher safety at work area



Real time tracking of material movement