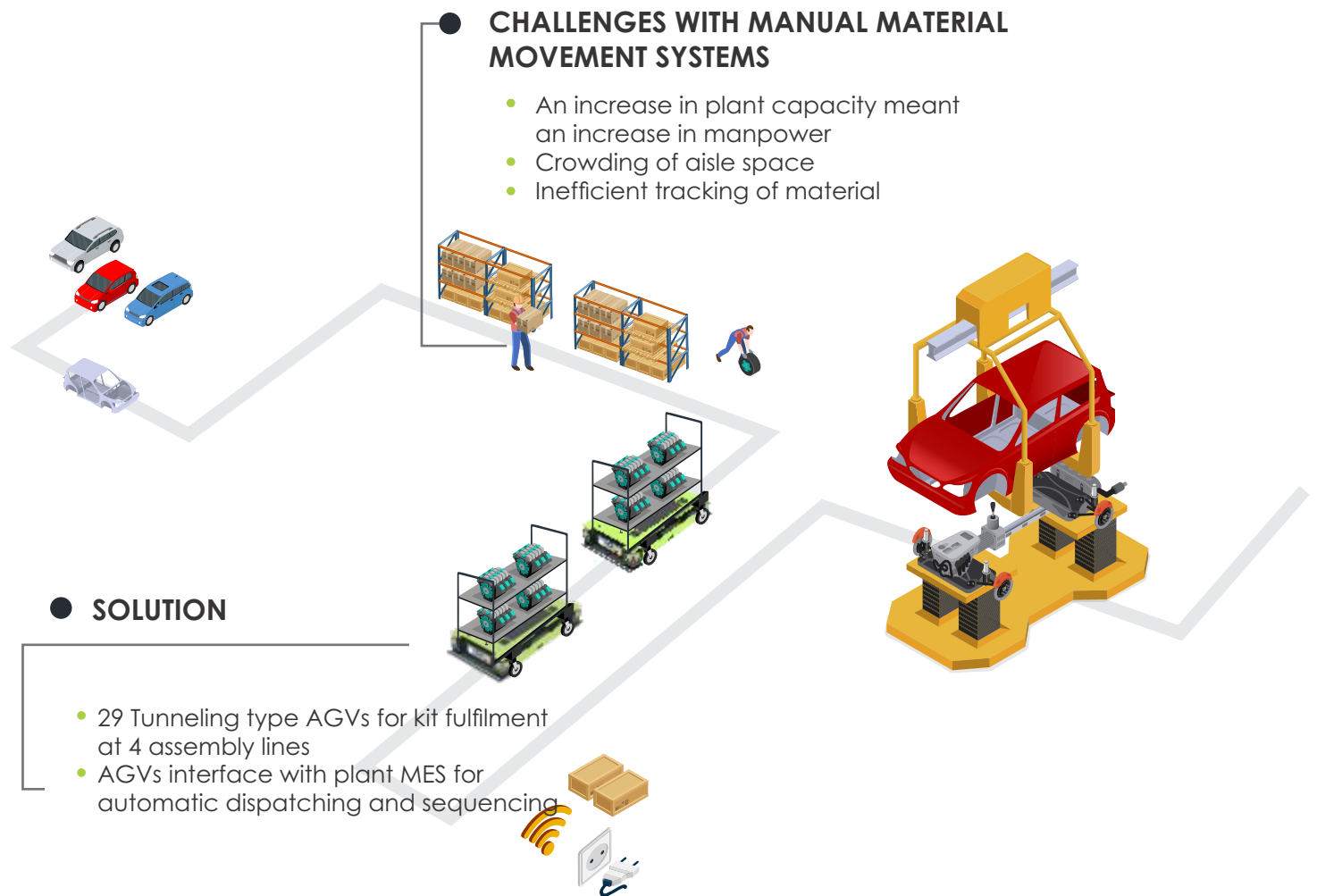


CASE STUDY

JIT (KANBAN)

MATERIAL TRANSFER

24x7 operation running on AGV for more than 4 years now



● CHALLENGES WITH MANUAL MATERIAL MOVEMENT SYSTEMS

- An increase in plant capacity meant an increase in manpower
- Crowding of aisle space
- Inefficient tracking of material

● SOLUTION

- 29 Tunneling type AGVs for kit fulfilment at 4 assembly lines
- AGVs interface with plant MES for automatic dispatching and sequencing

KEY FEATURES

- Integration with MES for dynamic material tracking
- Automatic hitching and unhitching of trolleys with AGV
- Opportunistic battery charging allowing 24 x 7 operation

RESULTS



Head count optimized by 75%



ROI of 26 months



Higher safety at work area



Real time tracking of material movement