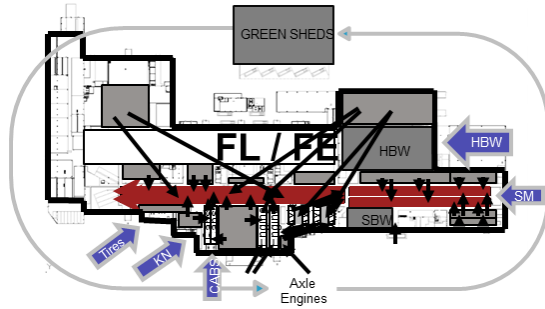


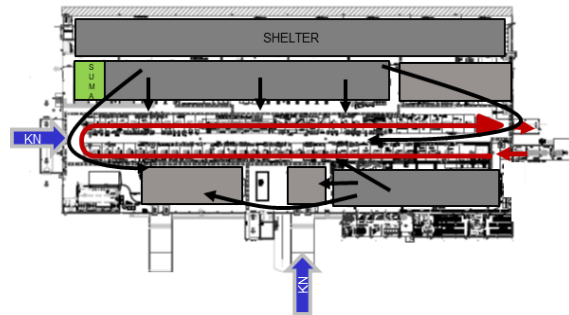
Line Design in Automotive Assembly

PICTURES BEFORE

Final Assembly Layout

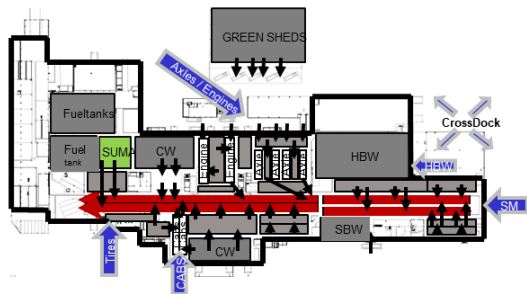


Cab Trim Assembly Layout



PICTURES AFTER

Fishbone Assembly Concept



Problem

- Low productivity of production and logistics teams
- 50 000 m² of extra rented warehouse space
- Necessary to adjust capacity in order to absorb new models to be produced

Root causes

- Unbalanced combination of references to be produced on each production line
- Poor usage of available space, with inefficient layouts and structures
- Complex flows for movement of information and materials internally
- Packaging of materials not adapted to specific product characteristics

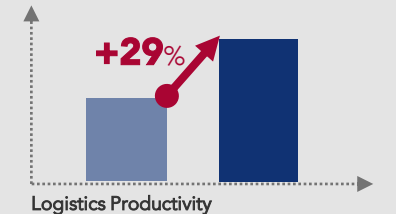
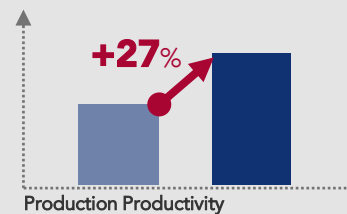
Solution approach

- Project management using Mission Control Room, KAIZEN™ Events and Task Force Initiatives
- Layout organised according to fishbone concept: Line – Pre-Assembly – Kitting – Warehouse – Receiving Gate
- Follow-Lead Kitting, Pick-to-Light and Guided Trolley
- Implementation of Pallet-on-Wheels, Mizusumashi principle and Manual Transports

Benefits

Payback Period
8 months

Savings
£38m/year



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