

250bn EUR Turnover, 660 000 employees (VW Group)

THE CHALLENGE?

With the need for a highly complex, manually built, engine assembly – with a limited number of operators on the line, the need existed for a multi-functional and practical approach on enabling operators to work together simultaneously

RESULTS

- ✓ Multi-operator tool sharing enabled work on the same engine assembly, at the same time – with multiple operators;
- ✓ Enabling flexibility to add and introduce new product variants;
- ✓ Part tracking, traceability and process control, assisting to reduce defects by 30%.

HOW DID WE DO THIS?



- Jendamark designed and manufactured the manual engine assembly lines, powered by ODIN Workstation

OTHER BENEFITS?

- Dynamic and visual work instructions ensuring correct product and part assembly;
- No-code line configuration interface, enabling 'drop and drag' process flow and assembly refinement changes;
- The overall collaboration between hardware and software allowing for 'single point' access and control – as well as facilitating best continuous improvement practices;
- Overall part tracing and tracking aiding to mitigate part recall risk.

With multi-operator, tool sharing enabled, Audi increased line output by an incredible 80% and even reduced working shifts

