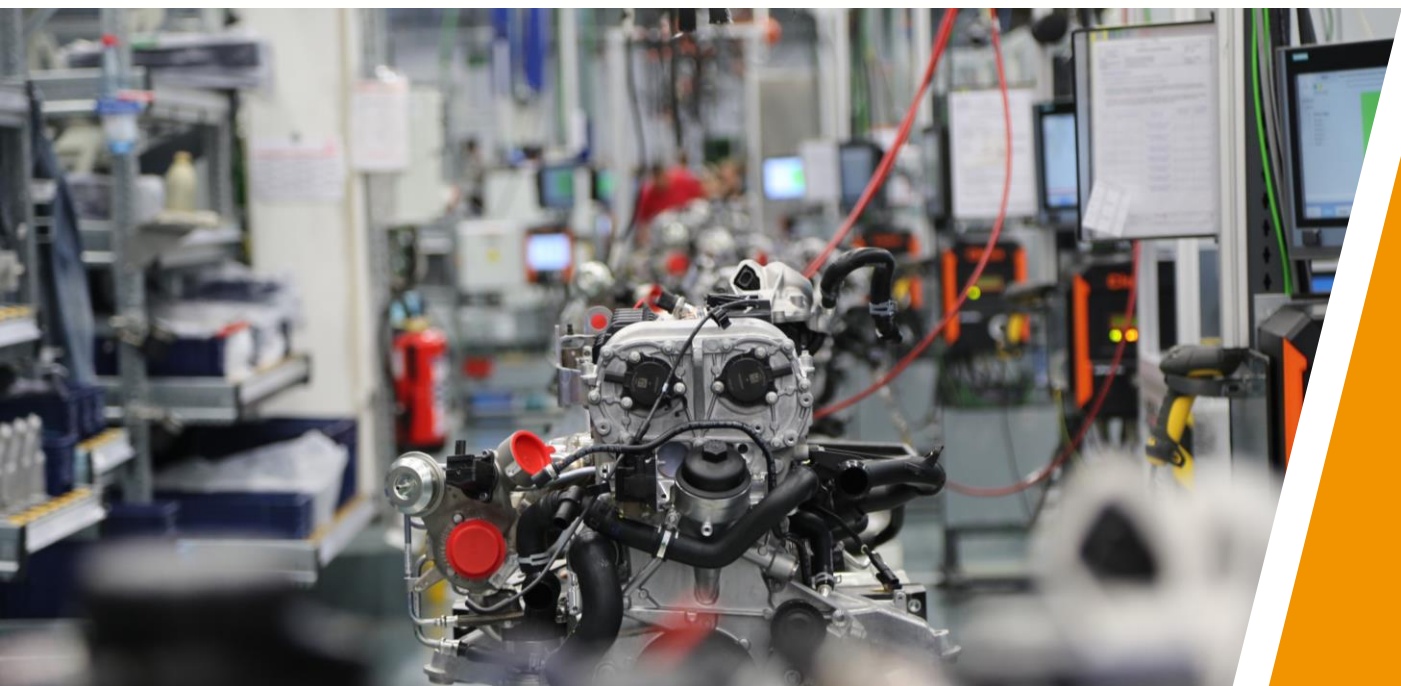


Practical Example

Relocation of an Engine Assembly Line from MDC



Leadec relocated an entire engine assembly line from the Daimler plant in Untertuerkheim (Germany) to the Daimler subsidiary MDC Power in Koelleda (Germany), which is 420 kilometers away and the site where the assembly line was recommissioned.

After 10 weeks and after more than 10,000 working hours, the engine assembly line could return to operation. The deadline was met and the plant punctually started the production of the required customer engines.

Meanwhile, the team of Leadec at the Kölleda site consists of more than 100 employees who support the customer in the fields of technical facility management, cleaning and production equipment maintenance.

Key facts

- **Customer:** MDC Power
- **Scope of services:** Ab- und Aufbau einer Motoren-Montagelinie
- **Site:** From Untertürkheim to Kölleda, Germany
- **Numbers of employees:** more than 40
- **Realization period:** 10 weeks

Challenges

- **Tightly limited time slot**
There were only two months between the production line stop at one site and the restart of production at the other site.
- **Precise planning with limited scope**
Therefore, the industrial service provider's project management organized the relocation process to the nearest hour in advance. They coordinated more than 40 internal employees and entrusted 18 subcontractors with disassembling and reassembling the heavy material in a well-structured manner and transporting it by more than 20 trucks.

Success factors

- **Take advantage of synergies**
The team was supported by additional experts from other sites of Leadec as well as by employees in cross-functional positions
- **Strong customer relations**
Even in the planning stage, Leadec and several departments of their customer as well as plant manufacturers worked closely together. They held regular planning meetings in order to discuss milestones, activities, risks and decisions
- **Flexibility**
Although there had been several technical modifications in the course of the project, close collaboration and regular meetings enabled Leadec to respond with utmost flexibility to new conditions and to carry out the required technical improvements. For instance, the team integrated additional engine versions in the relocated assembly line, changed the layout of the production line – including changes in process and at the stations, changes, which had, among other things, become necessary due to new conditions on site and carried out technical and ergonomic improvements of the mounting stations

- **„Shopfloor Meetings“**
Helped the team to resolve all issues within one day and to implement the decisions that had been taken

Benefit for our customer

- **Sense of responsibility**
The responsibility for handing over the functioning assembly line in Köllda with that operates in the usual quality and delivers the required quantities, cycle time, quality and availability (OEE) was 100% with Leadec.
- **Service from one source**
Immediately following the final performance acceptance test, Daimler transferred responsibility for the assembly line to the local maintenance team of Leadec. The team will make sure that the line continues to operate perfectly. To guarantee optimum performance the team has a preventive maintenance concept minimizing potential defects or risk of failure

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