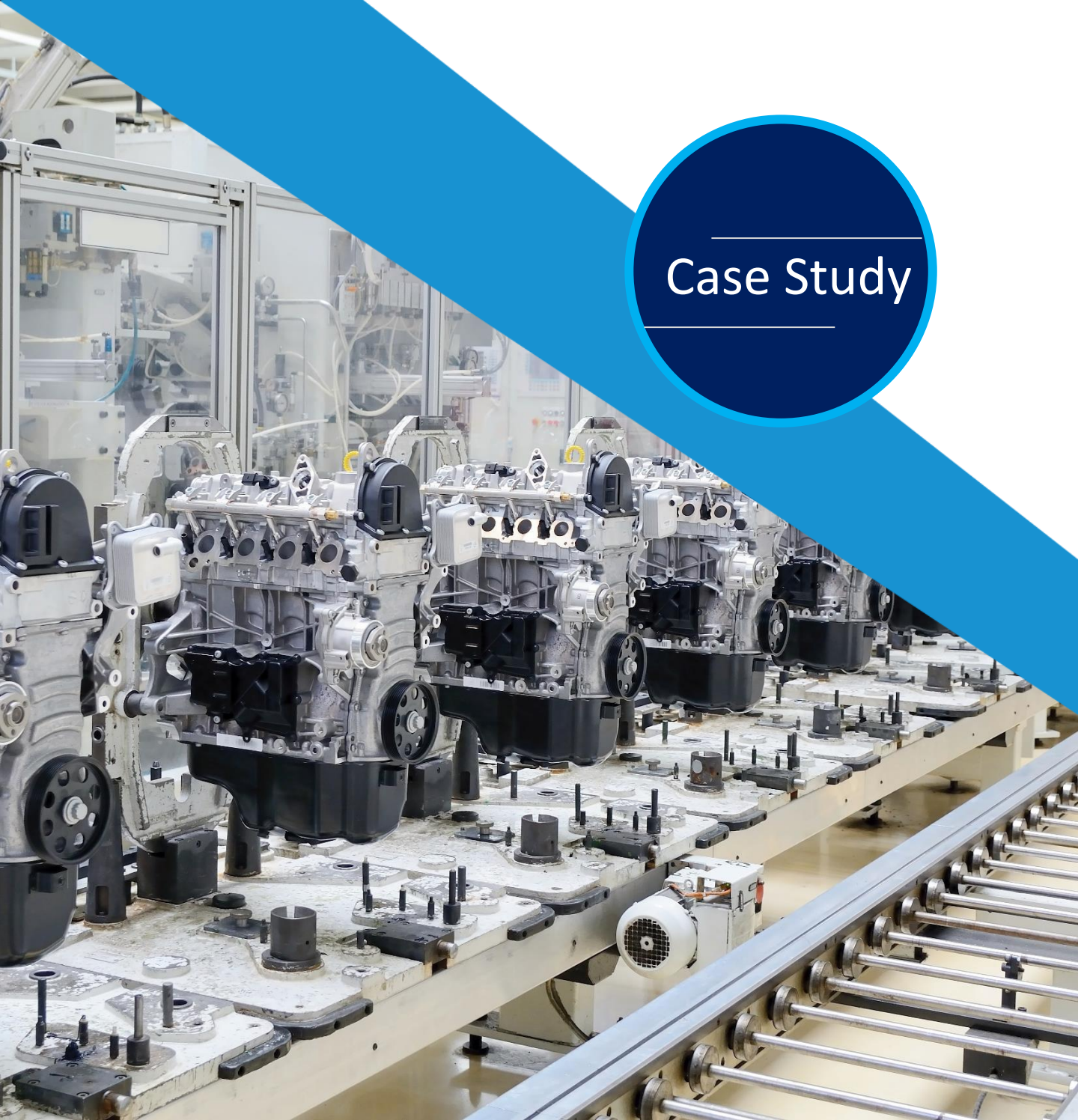


AR based product inspection solution for leading engine and power system manufacturer.



Case Study



Client

The client is a global automotive tier-1 component manufacturer specializing in designing, manufacturing and distribution of engines and power systems

Challenge

- ❖ The Quality Assurance team used to perform manual inspection of engines at the end of assembly line.
 - ❖ More than 250 check points were inspected manually on every end product, leading to missed inspection points and rework in the overall process
 - ❖ The client wanted to de-skill the task and bring consistency during the inspection process.
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ITC Infotech developed an AR based application allowing quality teams to perform quality checks using handheld tablet. With the workflow based handheld application, QA personnels are able to perform following activities seamlessly,

Solution highlights

- ❖ Identify the inspection points using real time image processing and view corresponding guidelines on the application in AR
 - ❖ Update inspection defects in real time to the quality system
 - ❖ Capturing photo of the defective component and upload to the quality system as evidence
 - ❖ Capture comment and submit the summary report after completion of the engine inspection process
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Business Outcomes

- ❖ More robust and full proof inspection process leading to reduced human error and improving overall production efficiency by 6%
- ❖ Quality inspection turnaround time improvement by 12% leading to faster inspection cycles
- ❖ Automatic inspection report creation by following the defined processes and approval checkpoints leading to faster inspection cycles

About ITC Infotech

ITC Infotech is a leading global technology services and solutions provider, led by Business and Technology Consulting. ITC Infotech provides business-friendly solutions to help clients succeed and be future-ready, by seamlessly bringing together digital expertise, strong industry specific alliances and the unique ability to leverage deep domain expertise from ITC Group businesses. ITC Infotech is a wholly owned subsidiary of ITC Ltd., a 100-plus-year-old diversified conglomerate with businesses spanning Hotels, Consumer Goods, Paperboards & Packaging, Agri Business, and Information Technology. ITC Ltd. has been in the hospitality business for over 4 decades. It has over 100 properties across 70+ destinations. The hospitality practice at ITC Infotech is 800+ people strong and most have experience in the hospitality domain leading to a high-quality IT service experience for its hospitality customers.

