

# AIRCRAFT ENGINE MAINTENANCE

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WORK ORDER MANAGEMENT SOLUTION



By 2026, the Global MRO Market is Projected to be worth **\$104.6Bn** and the engine MRO market is expected to grow by **\$47Bn** 

Use of **Blockchain Technology** to know the provenance & maintenance history of the engines

63% of leading airlines believe Aircraft Health Monitoring System will increase reliability while 35% believe it helps to reduce maintenance costs

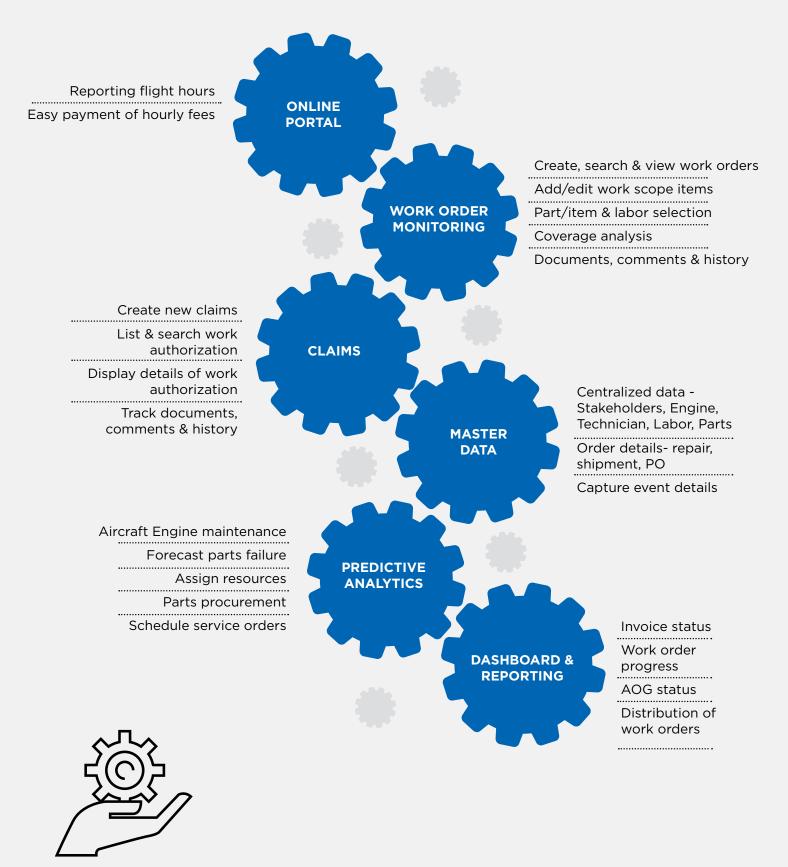
Leading aircraft engine service providers have started the concept of leased engines and maintaining a dedicated pool of engines & parts. The members of the pool have to pay predefined fee for leasing such engines Today, **70%** of the world's aircraft engines are leased assets

#### **CHALLENGES**

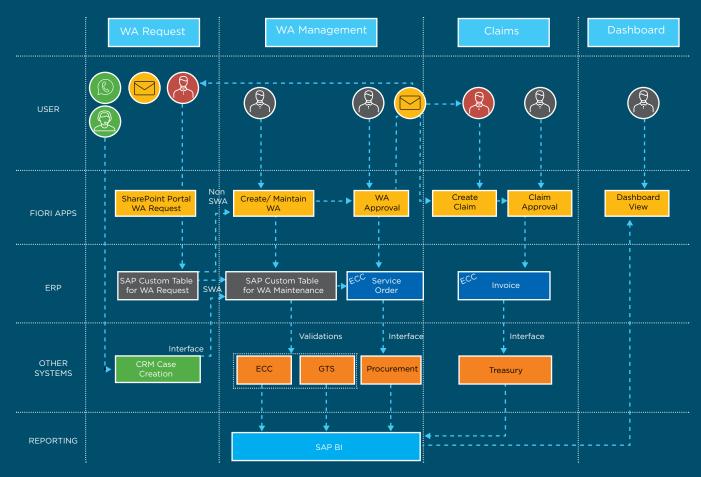
Time consuming and manual processes for work order management Difficulty in performing coverage analysis Maintaining records & documents Unexpected errors in paper-based invoicing Lack of a consolidated dashboard & reporting mechanism

## **SOLUTION OVERVIEW**

HCL has developed a Fiori-based application for leased aircraft engine maintenance. The application enables customers, service providers and aircraft engine manufacturers to efficiently manage and monitor the engine MRO process (including warranty claims), track work order requests – status and updates, invoice generation and payments.



## **SOLUTION ARCHITECTURE**



WA: Work Authorization

SWA: Service Work Authorization

### **APPLICATION SNAPSHOT**

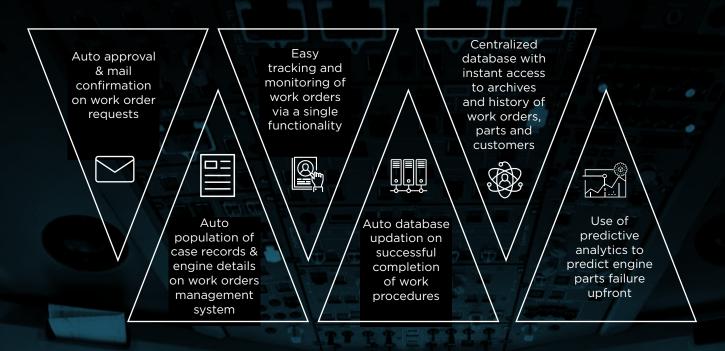






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# SOLUTION BENEFITS



#### **SUCCESS STORY**

Developed a work order management & warranty management solution for aircraft engine maintenance for a leading aircraft engine manufacturer.

- Enabled customer to efficiently manage & monitor the engine MRO process, track work order management requests, invoice generation and payments.
- Digitized customer's work order management process
- Easy tracking and reporting

To Know more please mail at ci@hcl.com

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