AIRCRAFT ENGINE MAINTENANCE

WORK ORDER MANAGEMENT SOLUTION

TRENDS

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

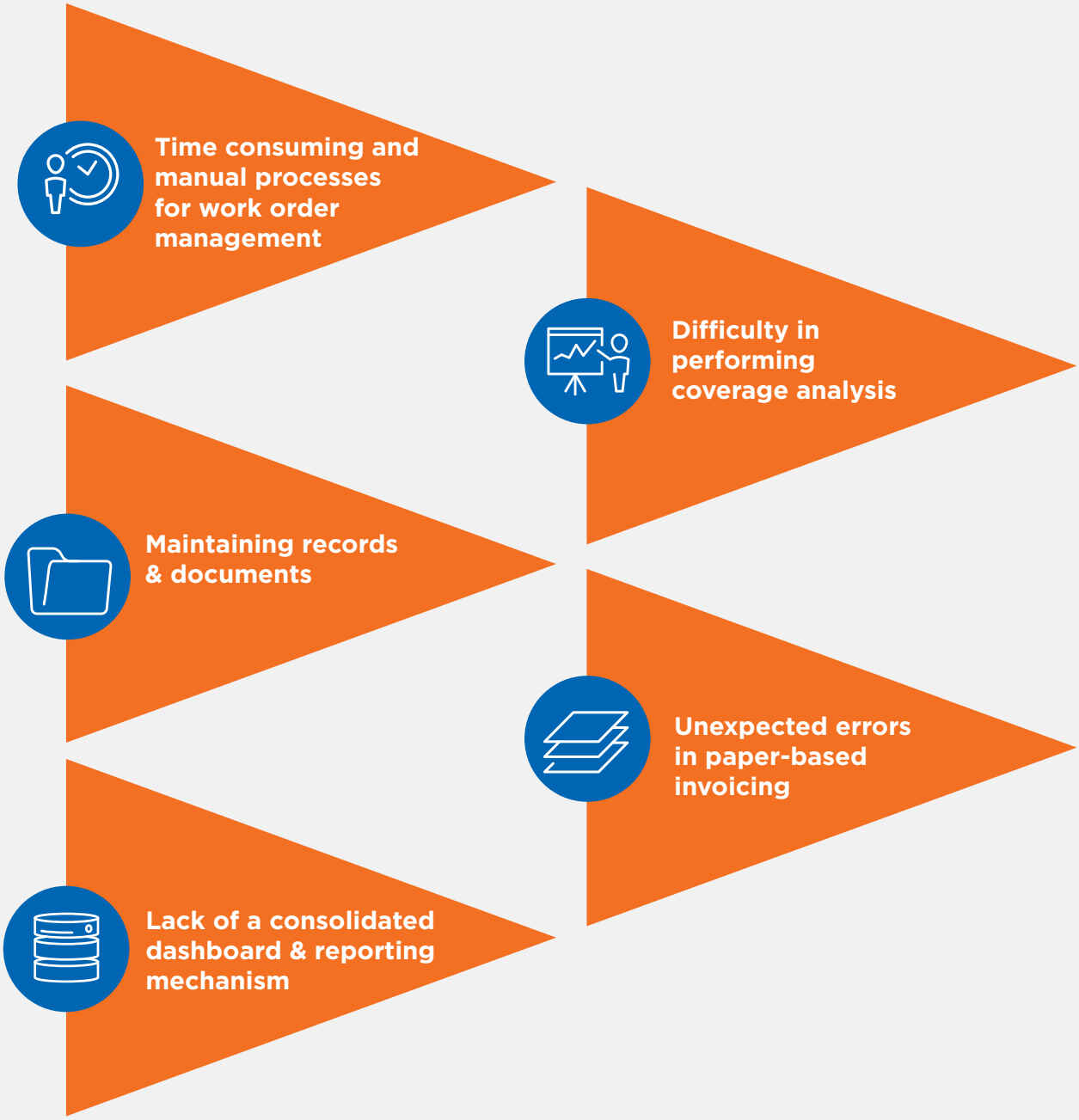
Use of **Blockchain Technology** to know the provenance & maintenance history of the engines

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

Today, **70%** of the world's aircraft engines are leased assets

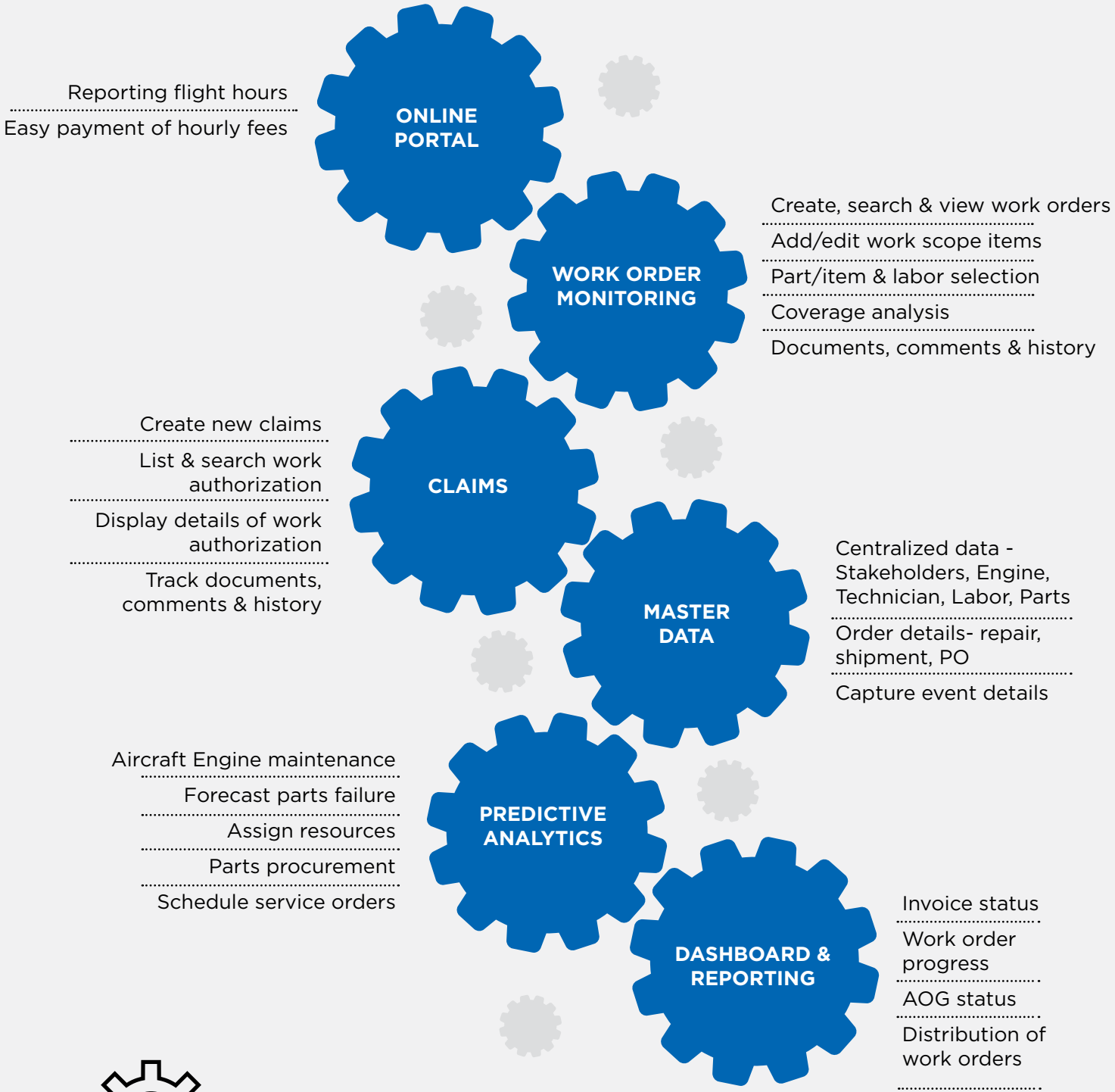
Leading aircraft engine service providers have started the concept of leased engines and maintaining a dedicated pool of engines & parts. The members of the pool have to pay predefined fee for leasing such engines

CHALLENGES

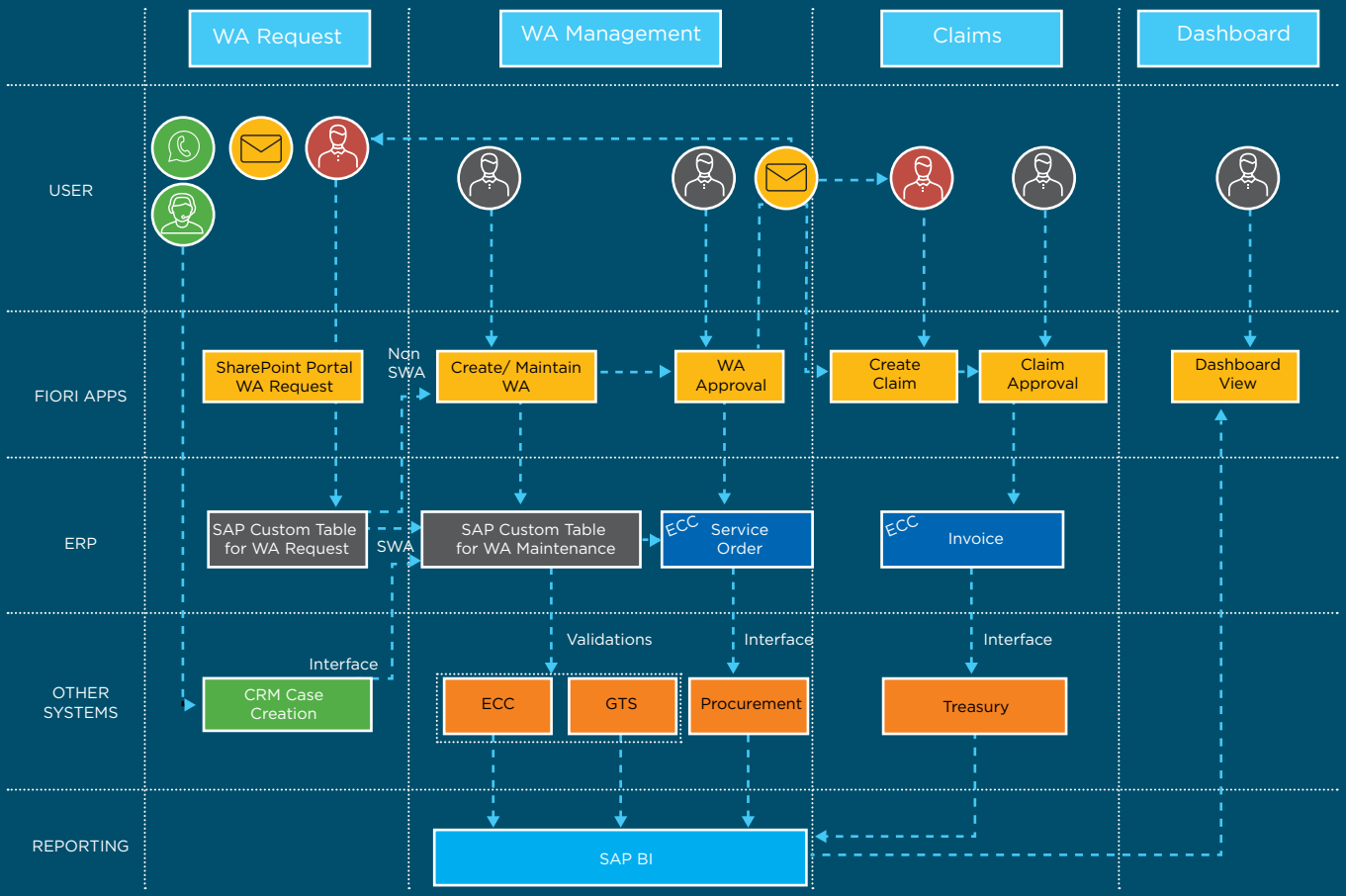

Time consuming and manual processes for work order management
Difficulty in performing coverage analysis
Maintaining records & documents
Unexpected errors in paper-based invoicing
Lack of a consolidated dashboard & reporting mechanism

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.



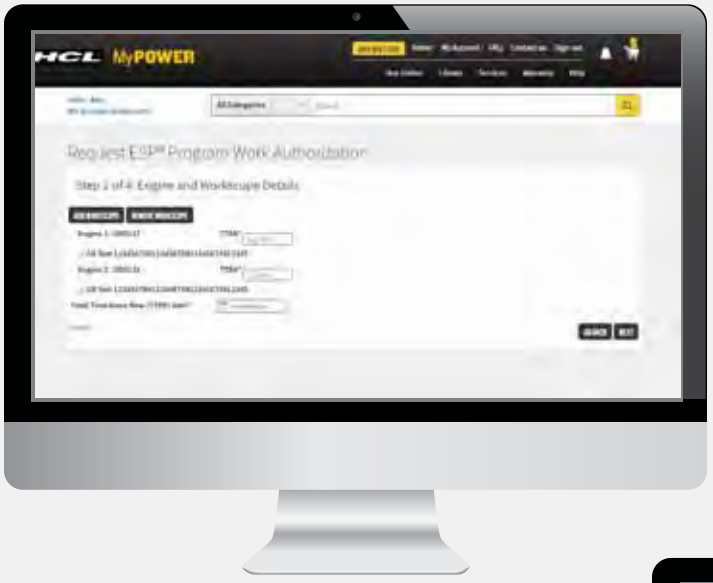
SOLUTION ARCHITECTURE

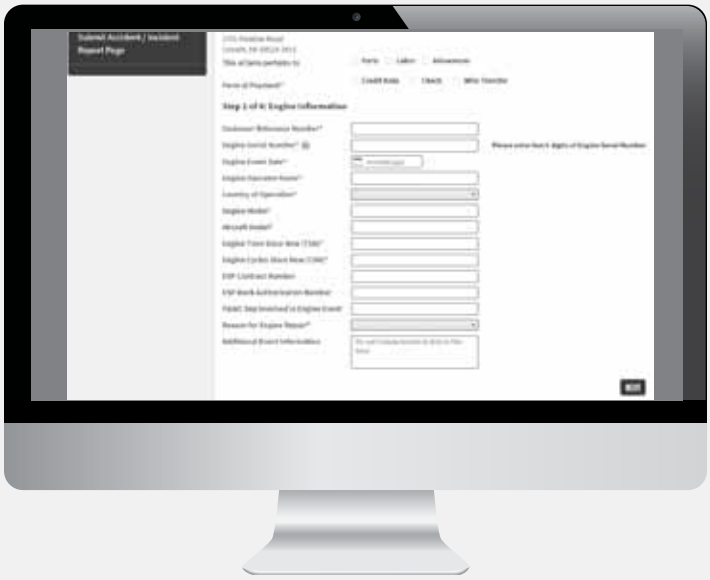


WA: Work Authorization

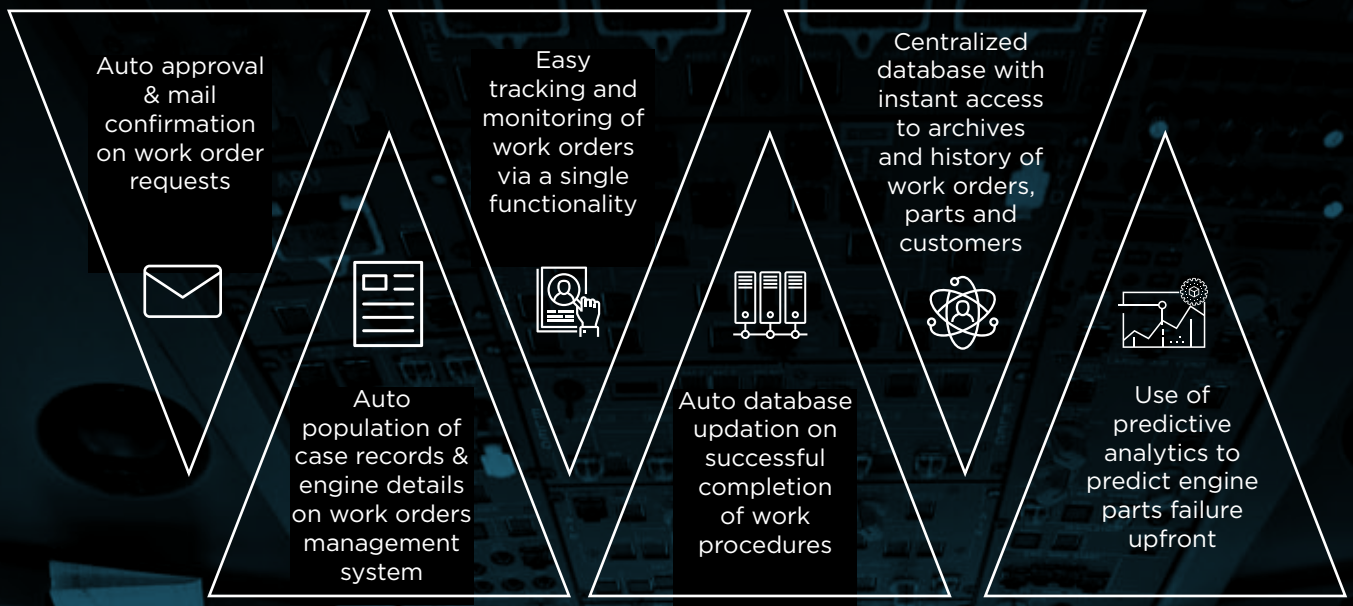
SWA: Service Work Authorization

APPLICATION SNAPSHOT





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

Follow us

WX7625 BI-I1721232070870984787 6-EN00AM

www.hcltech.com

Hello there! I am an Ideapreneur. I believe that sustainable business outcomes are driven by relationships nurtured through values like trust, transparency and flexibility. I respect the contract, but believe in going beyond through collaboration, applied innovation and new generation partnership models that put your interest above everything else. Right now 119,000 Ideapreneurs are in a Relationship Beyond the Contract™ with 500 customers in 32 countries. **How can I help you?**

Relationship™ BEYOND THE CONTRACT

HCL