Copilot enabled
MRO Advanced Analytics

A comprehensive solution to enhance aviation maintenance efficiency and operational effectiveness with our Gen AI powered MRO Advanced Analytics solution featuring pre-configured analytics and playbooks to provide insights and persona specific guidance to streamline unscheduled maintenance responses and accelerate information retrieval empowering aviation technicians and managers transforming MRO process across the organization.

Business Opportunity

- Extended aircraft downtime and potential flight disruptions due to prolonged reaction time to unscheduled aircraft maintenance events

- Inefficient inventory management resulting in overstocking or shortage of critical spare parts

- Time consuming retrieval of essential MRO document, data and records, affecting maintenance efficiency

Value

- Improves maintenance operations with actionable insights and analytics.

- Tracks industry benchmarked KPIs to continuous improvements.

- Facilitates rapid response to maintenance needs through efficient information retrieval.

Solution Package

Preconfigured Analytics optimizes processes and tracks performance with insights

Dashboards with KPIs facilitate quick, data-driven decisions through instant access to performance metrics

Pre-Configured Analytics

Persona Specific Playbook

7 Dashboard 40 KPIs

Quick Information Retrieval

Playbook integrates information retrieval with advanced analytics to deliver contextually relevant responses and insights

The playbook accelerates knowledge access by providing the right information at the right time, leading to quicker resolutions and smoother workflows

Beneficial Persona

Return on Investment

- **10% to 20%** Reduction in Aircraft on Ground (AoG) periods
- **10% to 15%** Reduction in MRO costs
- **10% to 15%** Reduction in spare part inventory holding costs

Timeline

~ 13-14 Weeks

Aircraft Maintenance Manager

Aircraft Maintenance Engineer

Hangar Manager

Technician

MRO Workshop Manager

Technology Used

Fabric
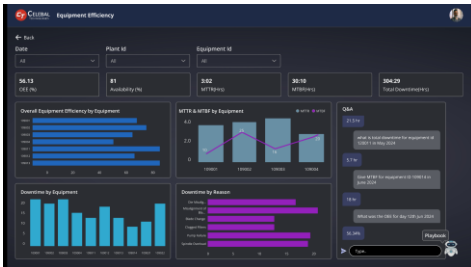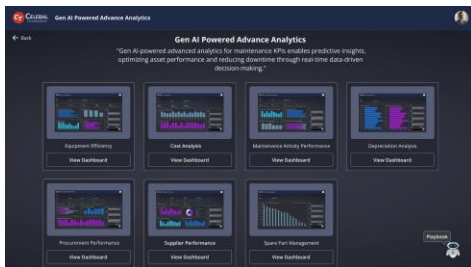
Power BI

Azure OpenAI

Solution Snapshots