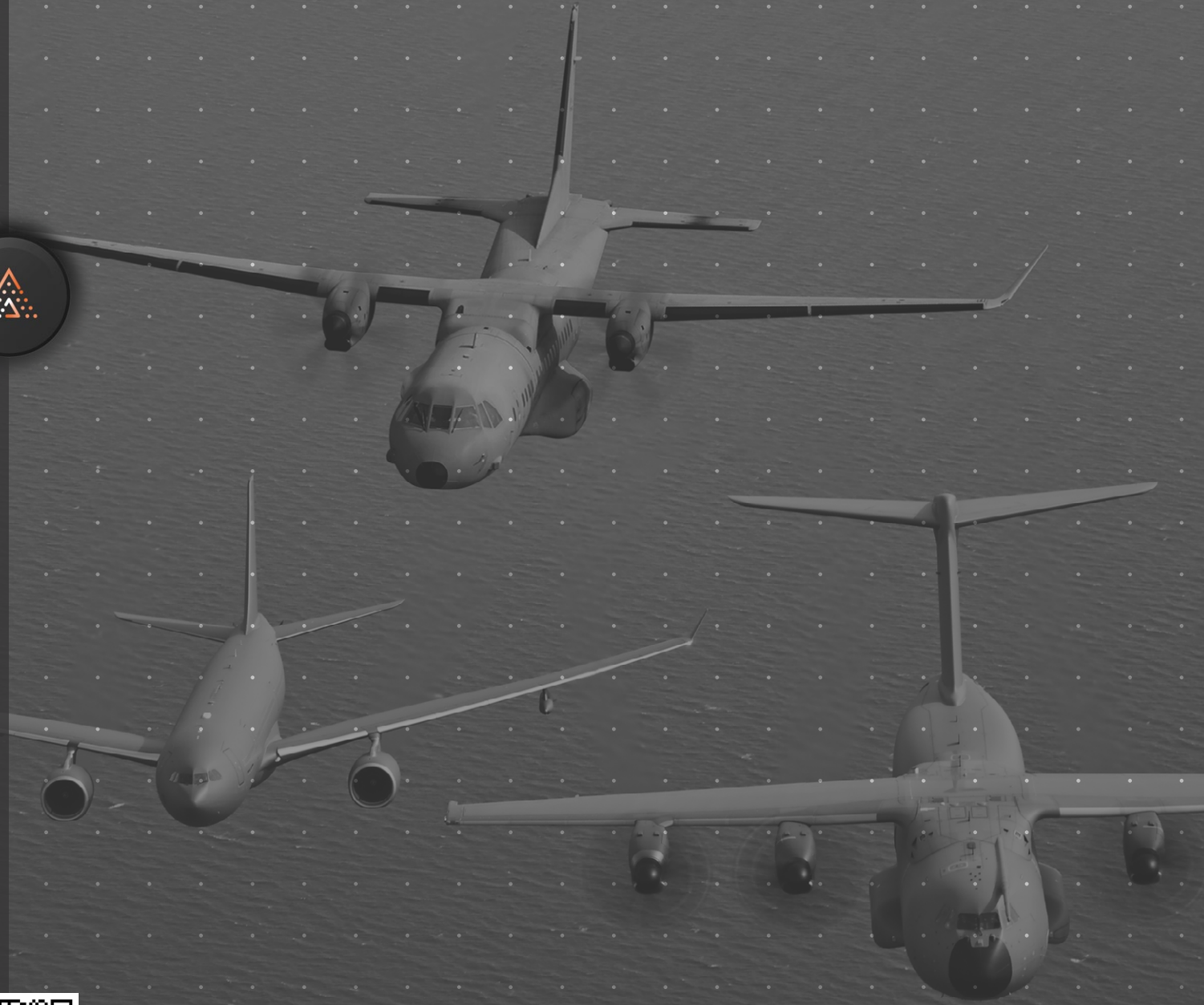# smartforce

SmartForce Reliability

AIRBUS

SmartForce Reliability

SmartForce Reliability is a platform agnostic monitoring, analysis and reporting tool for maintenance and operational in-service data.

Leveraging data analytics, SmartForce Reliability streamlines in-service data exploitation, visualisation and report generation in a customisable and user-friendly environment.

By digitalising the in-service reliability service, the end users not only benefit from basic data analytics features and associated visualisation techniques but can also take advantage of new key functionalities to unleash a variety of additional data-driven insights thanks to (among others):

Global fleet and sub-fleet metrics and benchmarking	Reliability monitoring and customisable alerting features (system and LRU level)	Ad-hoc & flexible on-demand reports and data exports	Failure detection and prediction

Key data: Reliability, A/C and component utilisation, in-service events, pilot reports (PIREPS), maintenance reports (MAREPS), fault codes, component removals and installations, no fault found (NFF), etc.

FEATURES

- Reliability tracking of aircraft systems and components
- User-friendly dashboards for efficient interpretation of in-service data
- Flexible and customisable on-demand reports
- Multi-filtering, historical data evolution and data export functionalities

BENEFITS

- In-service data insights to increase operational reliability and availability
- Tunable and automatised ad-hoc alerts to anticipate potential reliability downtrends, detect failure patterns and assess components consumption KPIs
- Integration of industry data and benchmarking against anonymised global fleet or customer fleet subgroups

TODAY

Static reliability reports (trends and KPIs): content and frequency based on initial Services contract and associated requirements (e.g. report in .pdf format; no access to complete data set; one year period for data analysis, etc.)

TOMORROW

Dynamic tool to generate on-demand reporting. Processed and enriched data set available on customer side to deep-dive into in-service data. Customisable reliability dashboards and alerting notifications, complemented through additional industry data and benchmarking capabilities.

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