PGS Analysis

FLIGHT DATA VISION

Analytics at your Fingertips

FDM, also known as FOQA (Flight Operations Quality Assurance), FDA (Flight Data Analysis) or HFDM (Helicopter Flight Data Analysis) is an essential part for a proactive Safety Management System.

FDM consists in identifying events that could lead to an incident or accident. It may also include measurements and counters in the frame of UMS (Usage Monitoring System). PGS software provides all the tools to ease this customization and enable rapid and clear interpretation of flight data and limits exceeded.

Effective FDM Editors

Four effective editors to ease and tune customized Flight Data Monitoring Programs:
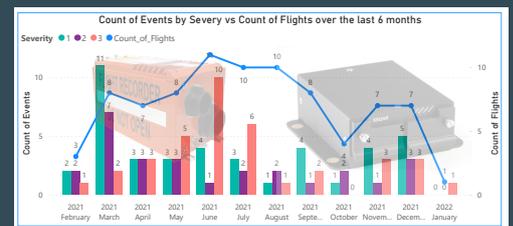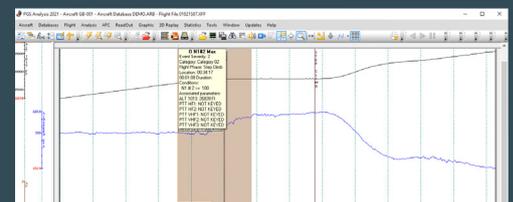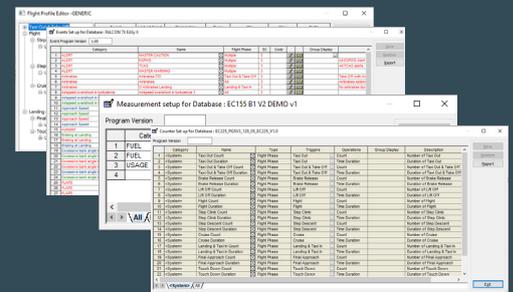- Flight profiles
- Events
- Measurements
- Counters

Each editor uses clear human readable language that does not require any programming skills. The Flight Data Analysis process automatically applies the rules defined in each editor. The validated data is stored in a database for customizable trend analysis and analytics purposes.

Multiple Flight Data Sources

Flight Data readout from Quick Access Recorders (QAR's), Flight Data Recorders (FDR's) and other dedicated recording equipment's.

Automatic search, identification, and retrieval of flights based on the applicable Flight Profile : each flight extracted from the data stream is stored in a single computer file.

Powerful Visual Tool

Rapid detection of abnormal operations or events and operational information for fleet management and safety programs. Complete reports presented to the operator for analysis and validation. Visualisation and analysis tools for efficient investigations.

Customized Analytics & Trend Monitoring Results

All detected events are stored into a powerful statistical database. The sum of all these results is exported and processed in a business intelligence software (Microsoft Power BI© , Tableau©, Qlik©, …) which will visualize them in the form of graphs. Trends presented will alert the user to the corrective actions to be taken, to feed the corporate flight safety program or improve the flight operations safety & efficiency.