

Effective Flight Operations and Quality Assurance (FOQA) programs are hard to implement. There is seldom a shortage of flight data but useful interpretation requires superior analysis and viewing tools. The PGS turnkey suite of tools enables rapid and clear interpretation of flight data and limits exceeded.

Daily replay and analysis enables immediate operational action.

The Curtiss-Wright Controls Integrated Sensing (CWCIS) PGS software suite comprises all the necessary editors and tools to simplify every day flight data processing.

- Supports all types of aircraft
- Complete flight event report in seconds
- Powerful visual analysis
- Secure database
- Intuitive implementation

A suite of purpose designed tools

A powerful visual tool is required for rapid detection of abnormal operations and events. A powerful database is required for rapid analysis of each event. This combination delivers exceptional operational information for fleet management and safety programs.

PGS Vision System (PGS-VS) is a purposely-designed viewer to simplify FDR data readout and replay. PGS-VS provides editors and tools that ease every day operation. For example: Logical frame layout, fleet management, pre-defined FDR and quick access recorder download procedures. PGS-VS also includes powerful audio decoding algorithms to convert CVR audio encoded data to standard Microsoft® WAV file format and synchronise audio records to the flight data.

PGS Analysis System (PGS-AS) contains all the tools that make daily flight data analysis easy. Building event detection programs, launching automatic analysis programs and reporting detected events becomes simple and practical with PGS-AS. In addition, all detected events are managed into a powerful statistical database.



Flight data. Analysis and Viewing...

- more event detection
- more useful data
- more FOQA
- more fleet management

Quality Approvals

CWCIS are committed to complete customer satisfaction in all products and services. International quality approvals include BS EN ISO9001:2000 and Civil Aviation Authority

www.cwcontrols.com

PGS

FLIGHT DATA APPLICATIONS SOFTWARE

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TYPICAL OUTLINE SPECIFICATION

For further information please contact the sales department as listed below

SPECIFICATION

Minimum recommended PC configuration

PC/Pentium II 450 MHz processor

Microsoft® Windows™ 95/98, NT/2000

64 Mbytes RAM

10 Gigabyte hard drive

Archival media

Optional Requirements

PCMCIA type II drive

Magneto optical drive

Number of flight data parameters per aircraft

Up to 16,000 parameter definitions per aircraft including ARINC 573/717 and ARINC 429 standards

Number of events to monitor

Up to 5000 events may be monitored per aircraft

Number and size of flight data files

Number of flight files allowed: Depends on the hard disk capacity

Size of a one hour file
(128 words per second): 900 Kbytes

Processing speed (test configuration as follow)

Hardware: PC Pentium II 450 MHz

Operating System: Windows™ NT

Flight file length: 10 hours

Time required: 2 seconds

Printers & Monitors

Printers: PGS copes with any mono or colour printer hosted by the Windows™ operating system

Monitors: PGS adapts to any computer screen resolution without loss in quality:
- Up to 1600 x 1200 or higher if available

Curtiss-Wright Controls Integrated Sensing

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Innovation In Motion

**CURTISS
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Integrated Sensing