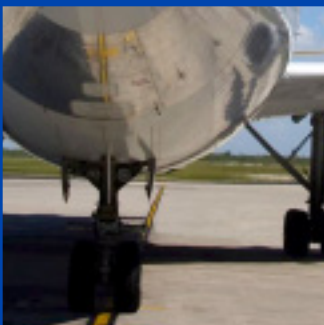
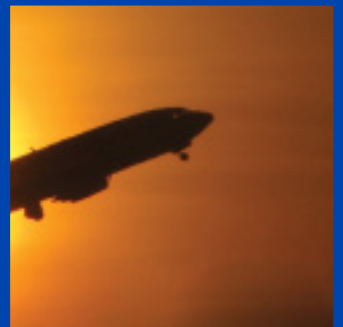
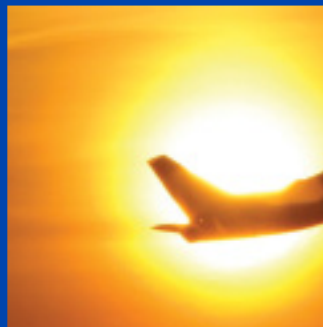


JetGard™

Remote Fuel Quality and Traceability System

GET SAFE FUEL INTO-PLANE



filtration
fuels
the future





Discover JETGARD, the most advanced, safe and versatile fuel quality management system in the market

JETGARD provides traceability to the fuel quality management

The design of JETGARD enables its adaptation to different fuelling operation procedures

PECOFacet's JETGARD system monitors fuel cleanliness with regard to free water and particulate matter, while also measuring the differential pressure / corrected differential pressure in the Filter/Water Separator or Monitor Filter, during fuelling operations. This way, if the parameters measured are above the specified requirements an alarm signal is emitted stopping the fuelling operation by operating the deadman circuit.

Unlike other fuel quality control systems, JETGARD automatically transfers and places the data resulting from the sampling at the disposal of the Associated Company and presents the data graphically.

ADVANTAGES

- Starts to gather the data when flow is detected
- Monitoring and visualization of the quality of the fuel
- Provides the differential pressure of the Filter/Water Separator or Monitor Filter or the corrected differential pressure when coming from PECOFacet's PF-CDPI®
- Distribution of values according to micrometry, differential pressure, temperature and density
- Graphic visualization of the content of particulate matter and free water, able to be exported to Excel format
- Generation of personalized reports to the Associated Company in .pdf format
- Indefinite storage of the data of each fuelling operation
- Local shutdown fuelling operations
- Local warning / e-mail / pop-up alarm
- Alert predefined level settings
- Real time remote monitoring
- HM Interface
- Stops the fuelling operation in the event of an alarm

OPERATION

Standard operation:

Monitoring of the content of free water and particulate matter in the fuel, with discrimination with regard to the size of the particles, and monitoring of the differential pressure.

Temporary storage of the data at the PFDataLogger module.

Automatic transfer of data to the Central Data Warehouse Server.

Once the data are registered in the JETGARD Server, the authorized users can access the same from anywhere throughout the Internet.

Automatic generation of reports and graphs for every fuelling operation.

Alarm generation when results exceed the limits established for solids, water and differential pressure.

JETGARD adapts itself to each Associated Company's requirements

OPTIONS

Parameterization: in accordance with the International Fuel Quality Standards

Solar Panel: when required in a facility.

Portable Power Supply: for mobile equipments/installations (e.g. pantographs)



Fuel quality picture through the whole fuel distribution supply chain

GRAPHS

JETGARD automatically presents differential pressure chart and values registered in every fueling operation according to the ISO 4406-1999 code scale numbers.

With the aim of making easier the queries from anywhere, the graphs are generated in broadly spread file formats, such as .pdf or .xls (Adobe Acrobat® / Microsoft Excel®).

ALARMS

JETGARD provides traceability to the fuel quality management and generates necessary alarms. It may stop the supply process.

Depending on the kind of installation and procedure required, the alarms will generate:

- e-mail (warning that will be sent to the authorized user/s),
- pop-up warning
- supply interruption (in airship report proceedings, operating directly in the deadman circuit).



SPECIFICATIONS

- **Ex II 2G Ex d IIB T6 (ZONE 1)**
- **API/EI 1598**
- **ISO 4406-1999**
- **IP65 RATED**

SUPPLY

10 V - 36 Vdc

POWER CONSUMPTION

140 mA - 24 V / 200 mA - 12 V

ALARM

· Voltage free contact SPDT 36V/250 mA to be integrated in the deadman circuit

REGISTER

· Installation / equipment / starting and ending time of the operation / duration
· Average, maximum and minimum values
· Alarm indicator

SOLAR PANEL

· Working voltage: 12V
· Charge current: 0-3.6 A
· Maintenance current: 100 mA

PORTABLE POWER SUPPLY

· 12V 28AH working voltage

ALARM GENERATION

· Local Warning / e-mail / pop-up alarm

GRAPHICAL VISUALIZATION

· Distribution of values according to micrometry, differential pressure, temperature and density
· Real and average data values of defined intervals
· Alarm indicator
· User menu
· Multi-language
· Export of data and generation of reports (.pdf, xls)
· Real Time remote monitoring

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fuels
the future



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