

## **Managing the change - AFGUARD® implementation from an operational perspective**

Client: IPS Intoplane Service Pool

Interview with Albert Hollenweger, Technical Manager,  
IPS Intoplane Service Pool, Switzerland



### Summary:

IPS Intoplane Service Pool, Zurich, first acquired the electronic water sensor AFGUARD® from FAUDI Aviation in October 2011. They installed the sensor both upstream and downstream of the vessel to measure the fuel quality in the supply chain, and to make sure that no free water could enter the aircraft tank. The company now installs AFGUARD® on all new refuelling vehicles by default, and all installations are carried out by FAUDI-trained IPS staff.

### Challenge before investment in AFGUARD®:

Chemical water detection of aviation fuels is non-continuous.

### Solution offered by AFGUARD®:

AFGUARD® is the only device of free water detection which facilitates permanent monitoring of fuel quality. This means that refuelling can be automatically suspended in the event that critical levels of free water are detected. The sensor is installed downstream of the filter monitor vessel.

### Challenges since investment in AFGUARD®:

- 1) A concern for IPS was with the reliable collecting and processing of data from AFGUARD®. Since the company already had a data processor in use at the time that they acquired the sensor, it was necessary that the sensor data be formulated

accordingly, in order to be reliably transmitted to and saved in the office connection.

2) Initial investment is high in comparison with chemical water detector capsules.

#### FAUDI's Solutions:

- 1) Collected Data is now used, according to the set parameters, to measure and record the entire refuelling process. Compatibility of the systems is key for frictionless data transfer.
- 2) AFGUARD® can be a more cost-effective solution to free water detection in the long term; the sensor offers quality assurance at all stages of the refuelling process. Moreover, installation and servicing costs after initial investment are minimised by FAUDI's "Training on the Job" scheme. For the future FAUDI offers comprehensive trainings for installation of all sensing devices at their premises.

#### Result:

As well as being installed on all new IPS vehicles, AFGUARD® will be gradually retrofitted on vehicles in current use. In accordance with his positive findings from AFGUARD® data collection over the last few years, Mr Hollenweger suggests that the AFGUARD® shall be used independently from any filtration system.

IPS is seen as a pioneer in the field of use of electronic water sensor in aviation fuel, which has accompanied various innovations and product developments by FAUDI Aviation.

Find out how we can put solutions like these in place to work for you.

**Get in touch: [www.faudi-aviation.com](http://www.faudi-aviation.com) or [contact@faudi-aviation.com](mailto:contact@faudi-aviation.com)**

October 2018