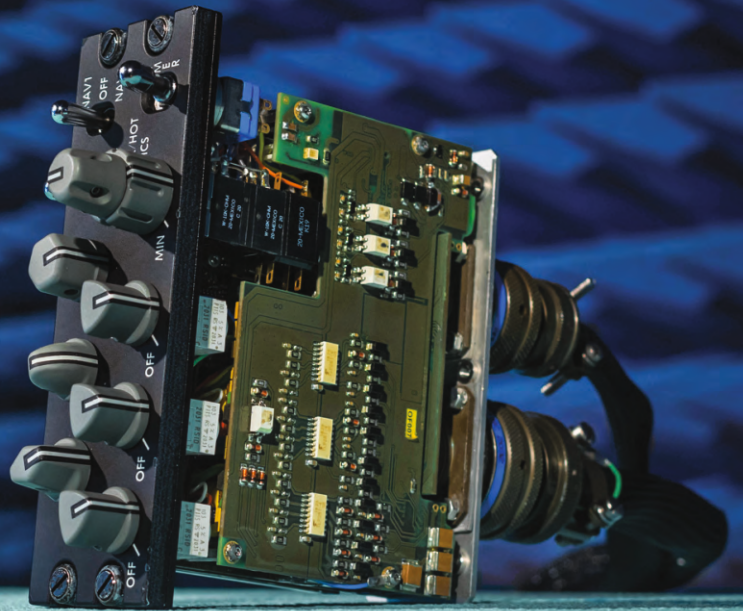


Aircraft systems and instruments



Research & Development & Production

Our systems operate in civil and military aircraft on all continents.

Focus: **System for Fuel Filling and Measurement**
Intercoms
De-icing Systems
Air Conditioning and Heating Systems
Control Units
Power Converters
Measurement of Physical Values
Firing control systems

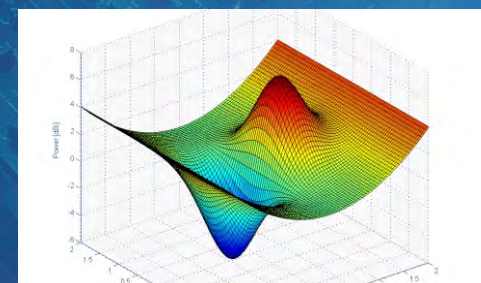
Since 1952, we have taken part in the most important Czech aviation projects - instruments for notable aircraft such as L 39, L 39NG, L 410, L 410NG, L 159 and many others.

Verified quality - we test our products and prototypes in own specialized laboratories equipped with extreme condition simulators.

We develop instruments and systems in compliance with EASA and FAA standards.

Aircraft systems and instruments

Qualified technologists, along with technical support provided by designers, are involved in the manufacturing process. We test products under simulated extreme conditions in our own laboratories.



We have the tools, skills and experience for specific customer solutions.



System for Fuel Filling and Measurement

A highly developed and well-established solution applied by a number of manufacturers. We design on the principle of capacity sensors for fuel level measurement.

- Complete solutions for various types of fuel tanks
- High accuracy of measurement, including aircraft banking solutions
- Possibility of connection to on-board bus bars (FMS, EFIS, etc.)

De-icing Systems

These systems control the pneumatic de-icing of the airframe and indicate possible failures and anomalies of the de-icing process.

- Verified method of ice elimination on the leading edges of wings
- Highly reliable control system
- Possibility to modify technical parameters based on the aircraft type
- Intuitive control of panel



Heating Systems

These systems ensure flight safety and aircraft controllability. They provide heated comfort to the passengers and the pilots.

- Cabin Heating
- Windscreen Heating
- Propeller Heating
- Pressure Probe Heating
- Automatic Temperature Control
- User-adjustable Parameters

Control Units

Reliable systems for controlling, monitoring and indicating the condition of aircraft systems, engine and assemblies.

High number of sensors and power elements. Enhanced operational safety and reduction of operating costs. Certified software.



Measurement of Physical Values

We produce highly accurate and tough on-board aircraft instruments for measurement of physical flight parameters.

The outputs of measurements are processed in such a way that they provide the clear data needed to control the aircraft.

Intercoms

The latest solution for aircraft crew communication.

- high quality and intelligibility of communication
- modern design based on digital processing.



Power Converters

The power converters serve as a source of alternating current for supplying the aircraft instruments and equipment.

- single-phase and three-phase converters
- three-phase voltage converters ranging from 50 to 1800VA, 3x36V/400 Hz, 1x115V/400Hz and 3x115V/400Hz.

Applications

Aircraft instruments and systems are installed in many types of military and civil aeroplanes.

We have been offering verified solutions for civil and military aircraft since 1952.

Aeroplanes: L 39, L39 NG, L 59, L 159 A, L 159 B, L 410, L 410NG, Ae 270 IBIS, Z 37, Z 142, Z 242, EV 55...

Helicopters: Mi-2, Mi-8, Mi-17, SOKOL, Mi-24/35, Mi 171...

