



AVIATION STRUCTURES AND DESIGN DEPARTMENT



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The Aviation Structures and Design Department specializes in designing composite and metal aircraft structures and the technological equipment to produce them. In addition, the department carries out performance analysis, load analysis and modernization projects of currently used aircraft. An experienced design team allows the implementation of project work to go beyond the aviation industry and to suggest optimal solutions, taking into consideration specific client requirements.

The work carried out on the basis of the approval no AP 270 Design Organization approval (ADOA) issued by the European EASA and quality management systems ISO 9001: 2009, AQAP 2110: 2009, AQAP 9001: 2008.

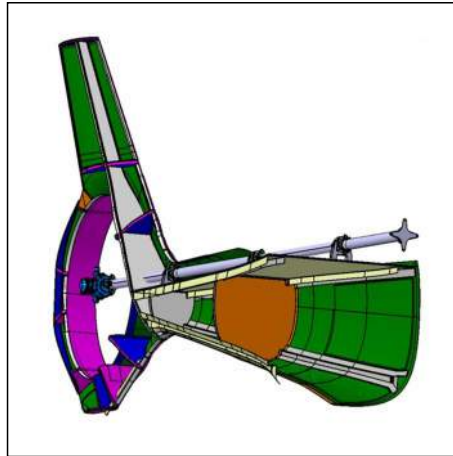
Designing

- Metal structures,
- composite structures:
 - aviation structures of glass and carbon composites,
- technological equipment/tools:
 - moulds for the performance of composite structures,
 - assembly tooling/equipment,
- additional equipment currently used in airplanes and helicopters.

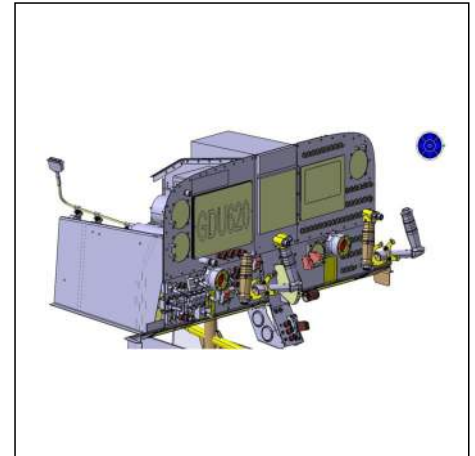
Aviation Structures and Design Department recently realized/implemented projects:

- "Unmanned helicopter - robot for special tasks: ILX-27",
- "ESPOSA - Efficient Systems and Propulsion for Small Aircraft",
- "Technology of implementing in to economic practice the new type of rotary wing aircraft",
- "Modern autogyro rotor".

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3d model of the helicopter ILX-27 tail boom, designed using CATIA v5 software



3d model of the new instrument panel I-31T, designed using CATIA v5 software

Diplomas and awards for the unmanned helicopter ILX-27



International Defence Industry Exhibition MSPO 2013 Kielce



The Balt Military Expo 2014



AirFair Exhibition 2014



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