

PROJECT MANAGEMENT DIVISION

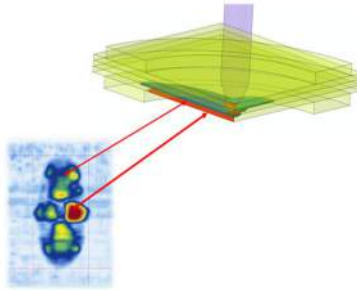
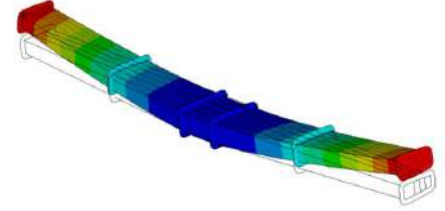
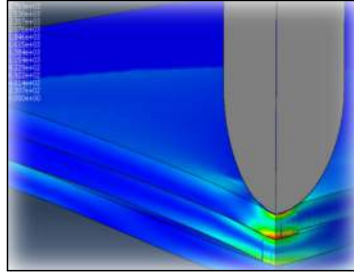
PROJECT MANAGEMENT DIVISION

Areas of Expertise

- R&D projects management,
- development of test programs and analysis of test results in context of certification processes,
- coordination of research activities within the project consortia,
- cooperation with research centers in Poland and abroad.

Research Activities

- Static and dynamic numerical analysis of composite materials and structures,
- research studies of failure criteria for composites,
- damage tolerance evaluation,
- composite structures technology development,
- inverse problems in mechanics of materials.



R&D PROJECTS

PRELOT

Development of manufacturing processes for composite airframes made of OOA (out of autoclave) prepregs.

Project executed by a consortium coordinated by the Institute of Aviation within the framework of the domestic Applied Research Program of the National Center for Research and Development.

BAKOMET

Development of non-adhesive metal-CFR laminate joints for heavily loaded primary airframe parts.

Project executed by a consortium coordinated by the Warsaw University of Technology within the framework of the domestic Applied Research Program of the National Center for Research and Development.

TEBUK

Development of methodology for damage assessment of primary CFRP air and space structures.

Project executed within the framework of the Innovative Economy Operational Program.

ESPOSA

ESPOSA Efficient systems and propulsion for small aircraft. Project executed within the EU Framework Program 7.

OTEST

Innovative opto-numerical system for displacement field measurements and analysis of mechanical properties of materials and structures in various environmental conditions.

Project executed in cooperation with Astri Polska sp. z o. o. and the Warsaw University of Technology within the framework of the domestic program INNOTECH of the National Center for Research and Development.

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