

Capability list

Avionics Design and Installation:

- cockpit layouts,
- wiring diagrams,
- harness topology,
- load Analysis.

Avionics Certification and Field Support:

- certification ground test methodology,
- certification Flight test methodology,
- system safety assessment,
- functional hazard assessment,
- certification documentation,
- fault tree analysis,
- failure mode effects analysis,
- HIRF and Lightning analysis.

Airframe and Mechanical System Design:

- Airframe,
- aircraft component,
- aircraft systems,
- interior panels,
- interior equipment,
- composite structures,
- parts, assemblies and drawings.

Analyses and Computing:

- analytical and numerical analysis,
- strength,
- fatigue,
- dynamic (modal, vibration),
- thermal,
- external and internal aerodynamics CFD,
- multiphysics.

Production Management and Support:

- jigs and tools design,
- manufacturing process management,
- prototyping.

www.saz.aero