



OBJECTIVE

- To **simulate** an experimental Drop Test using **FEM techniques** on a civil aircraft's fuselage section of **95%** composite material.
- Drop Test executed by **Impact Laboratory of Aerospace Structures (LISA)** of **CIRA** (Italian Center of Aerospace Research) commissioned by **LEONARDO**.
- **Software:** LS-DYNA

RESULTS

- The numerical results are comparable to the experimental ones
- FEM techniques are a great instrument to simulate and to study complex real problems