Carbon Composites

Technologies and Processes
- Prepreg processes
- Out-of-autoclave processes
- Sandwich technologies
- Repair processes
- Joining processes
- Design and analysis

Testing and Inspection
- Mechanical testing
- Qualification testing
- Building block tests (E- to C-level)
- Contamination inspections
- Materials analysis
- Damage analysis

Applications
- Aerospace structures
- Lightweight structures
- Structural repairs
- Bonded and bolted joints
- Industrial applications
- EU FP7 project CERFAC; cost effective reinforcements
- EU FP7 project BOPACS; bonded primary structures

Carbon Composites

Airbus A340

CFRP bearing sample after rupture

CFRP fuselage with integrated stringers