

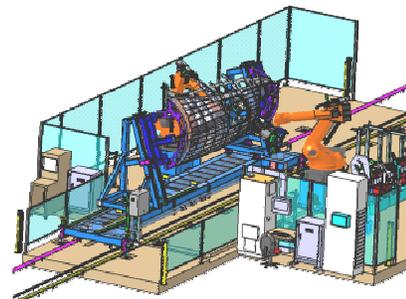
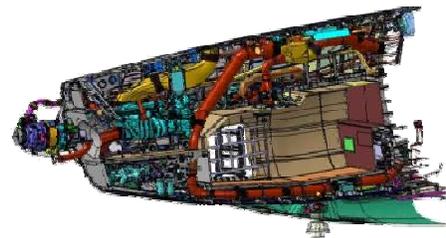
SONACA Group is a global Belgian company active in the development, manufacturing, and assembly of *advanced structures* for aerospace applications and for other markets requiring high-tech products and expertise. For any kind of mechanical structures (metallic, composite or hybrid), **SONACA** can provide advanced Engineering Services but also Built-to-Print or Design & Built best-in-class capabilities.

Engineering Services including

- Project Management : Integrated team management with PMI Methodology.
- Design & Analysis :
End-to-end Mechanical design, from concepts to detailed design (CATIA);
Advanced numerical simulations (including non-linear);
Thermal Engineering & CFD;
Configuration, CAD and PLM support.
- Advanced Material & Process support :
Technical assessment of new metal/composite materials and technologies
End-to-end qualification of materials and processes
- Mechanical and structural tests : sub-component to full scale
- Industrialization and Manufacturing support :
Tooling design and manufacturing
Pre-series & prototypes manufacturing incl. Additive Manufacturing (LBM)

Enhanced Structures (Built-to-Print or Design & Built) including

- Aluminum structures : high precision machining, forming & stretching;
- Titanium tubes;
- Composite structures (CFRP, GFRP, ...) with advanced technologies :
Automated draping process as AFP or ATL combined with close molded curing with RTM/SQRTM process.



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