

Launchers
Transversal competencies



Sokaris Ingénierie is specialized in optimization, modeling and simulation of structural components ready for industrialization that will offer competitive price and optimal mass reduction. Our engineering office has the certification CIR (crédit impôt recherche) and it is composed of 3 main activities:

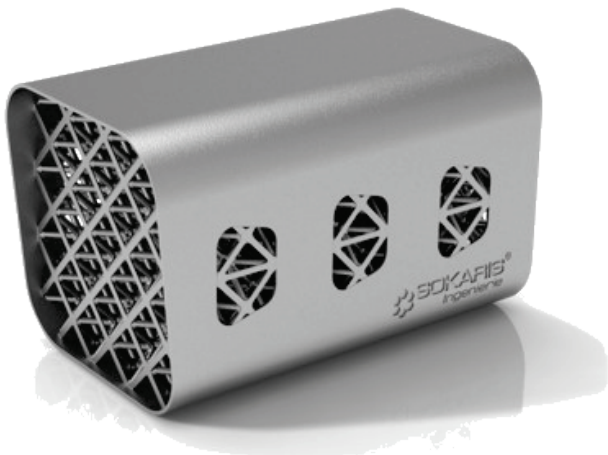
- **Mechanical engineering**
- **Software tool engineering**
- **Research & Technological innovation**

COMPETENCIES & CAPABILITIES

Our engineering office provides global solutions PRODUCT/PROCESS by offering technical support to its customers starting from specifications to industrialization for a component or a system.

Sokaris Ingénierie has expertise with multi-materials projects, various manufacturing processes and technologies for assembly.

Processes : Die casting, forging, thermoplastic injection, thermoforming, stamping, additive manufacturing (polymer and metallic).



SOKARIS INGENIERIE

PRODUCTS & SERVICES

- **SERVICES**

Mechanical Engineering

System architecture design
Design, Topological and Shape Optimization
Modeling, simulation and process simulation

Software tool Engineering

Development of specific software tools that reduce costs and development time.
Pre-sales support, training, deployment & maintenance

Research & Technological Innovation

Development of methodologies for design, optimization and calculation
Development of software tools dedicated to customers.
Materials and characterization → Alloy, Steel, Nickel, Polymer and Elastomer

- **PRODUCTS**

Development of systems with high efficiency absorption thanks to plastic deformation.
Development of hybrid structures
Optimization and manufacturing of inertial measurement unit in additive manufacturing
Optimization of components and aeronautical systems

MAJOR SPACE PROJECTS & REFERENCES

Challenge R&D Lanceurs du CNES

Sokaris Ingénierie has been rewarded by the CNES in 2020. Our company offered an innovative technology regarding shock absorption system with high efficiency.

Collaborative project PALOMA (in collaboration with Ariane Group)

Sokaris is the leader of WP T5000 that focuses on the integration of the constraints of additive manufacturing process in topological optimization.

References

CNES, Ariane Group, Avio, Safran Group, UTC Technologie, MBDA, PSA, RENAULT, Faurecia, Vibracoustic
Merck, Carrier, NTN-SNR

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TURNOVER 1,6 M€

WORK FORCE 14

SPACE TURNOVER 230 K€

SPACE WORK FORCE 3