

Launchers
Transversal competencies



Sokaris 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:

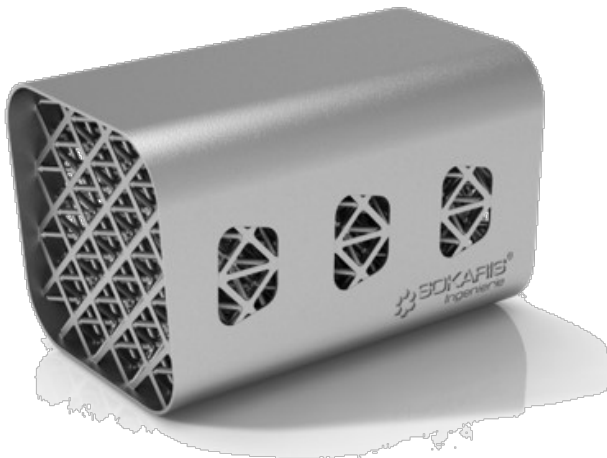
- **Mechanical engineering**
- **Software tool engineering**
- **Research & Technological innovation**

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 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 has been rewarded by 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

POINT OF CONTACT

ADDRESS 2, rue George Sand – Fourqueux

78112 SAINT GERMAIN EN LAYE - FRANCE

WEBSITE www.sokaris-ingenierie.com

PHONE +33 (0)1 39 10 80 36

POINT-OF-CONTACT : communication@sokaris-ingenierie.fr

TURNOVER 1,1 M€

WORK FORCE 12

SPACE TURNOVER 265 K€

SPACE WORK FORCE 3