



**OUR SERVICES**

**CDSS**

**COGNITIVE DESIGN SYSTEMS**

*Let us handle the industrialization process, unleash your creativity and make your concept a reality today*

**OUR SERVICES**

**Engineering services**

Our services include

**Engineering consulting**

- Design for Advanced manufacturing
- Concept to Prototype development
- Mechanical, thermal and CFD simulations
- Topology optimization
- CFD optimization
- Reverse engineering
- Design for heat exchangers & conformal cooling

**Co-design Projects**

- Supporting role for product development
- Design workflow automation
- Inter software connectivity
- Scripts development for design creation and simulation
- Training and knowledge transfer

**Specific needs**

- The elements listed above are examples of our capabilities, nevertheless we can adapt our offerings to provide tailored solutions to different requests

**PARTNERSHIPS WITH MANUFACTURERS**



It's important that your concept becomes a reality

From prototyping to serial production, you can trust us with your manufacturing needs

Benefit from our extensive network of world-known manufacturers and machine makers

**PROGRAMS USED**

- nTopology
- Ansys
- 3D Experience
- Grasshopper

**EXPERIENCE IN INDUSTRIES**



AERONAUTICS



SPACE



DEFENSE



INDUSTRIAL



AUTOMOTIVE



ENERGY



MEDICAL



CONSUMER

*From additive to conventional, our expertise will allow you to optimize your design for manufacturing*

## Custom app development

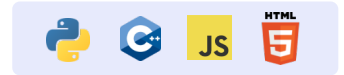
We are a software editor and we develop specific solutions for your project

### Application developments covers:

- Design Workflow Automation (Generation and modification)
- Adaptive viewer and interactive user interface creation
- Architecture and API integration

You are willing to automated a repetitive design workflow based on different criteria (user inputs, scan, simulation, or sketches) we are able to support you

### LANGUAGES USED



### Previously completed

*Orthopedics sole optimization, implants and bone plate creation, part reconstruction and replacement based on scan*



## WHY WORK WITH US?

### AI TOOLS



We are experts in using AI and automation for design optimization, exploration and manufacturability analysis

### TIME EFFICIENT



Our software significantly reduce the required time to perform feasibility studies and engineering tasks

### TRUSTWORTHY



Trust is an essential element for us. As a result, industry leaders rely on our products and services

### ADAPTABILITY



We provide solutions for projects of all sizes. We know each project's dimension is unique, so we excel at delivering an adequate solution tailored to your needs

### TRANSPARENCY



Working with us means fully understanding your project. We make sure to provide guidance and communication throughout each step of the process

*An expertise of over 200+ projects in design engineering completed*

cognitive-design-systems.com

