



3D design et CAD design

AET studies and develops for you the mechanical and technological solutions. From research in principle to well-tolerated detail plans for manufacturing, our engineers mobilize for every stage of the project more than 30 years of experience in product development.

For each project, our design team remains attentive to the optimization of the number of parts, to the tools mobilized or to the assembly packaging process in order to guarantee you control of the development costs.

Our expertise in sheet metal, plastics, kinematics or ergonomics secures the industrialization of your product.

OUR STUDY PROCESS

- > Needs analysis, functional constraints, of use and standards
- > Study of the existing, analysis of the competition, ergonomic study, study of interfaces
- > Establishment of a specification
- > Research of technical solutions, creativity
- > Design / 3D modeling
- > Modeling prototyping
- > Phase of tests & improvements
- > Industrial study: plans, materials, recommendations
- > Preparation of the industrialization file



OUR SOLUTIONS

Research of mechanical and technological solutions

- > Develop sets and subassemblies products corresponding to functional expectations products and customers
- > Offer robust and qualitative design solutions
- > Suggest simple assemblies
- > Control manufacturing costs

The + AET

- > The experience of our design team with technicians from the best industries (aeronautics, nuclear, household appliances, automotive, oil & gas...) to achieve the complete development of your product
- > Our expertise in sheet metal, plastics or ergonomics that secures its industrialization

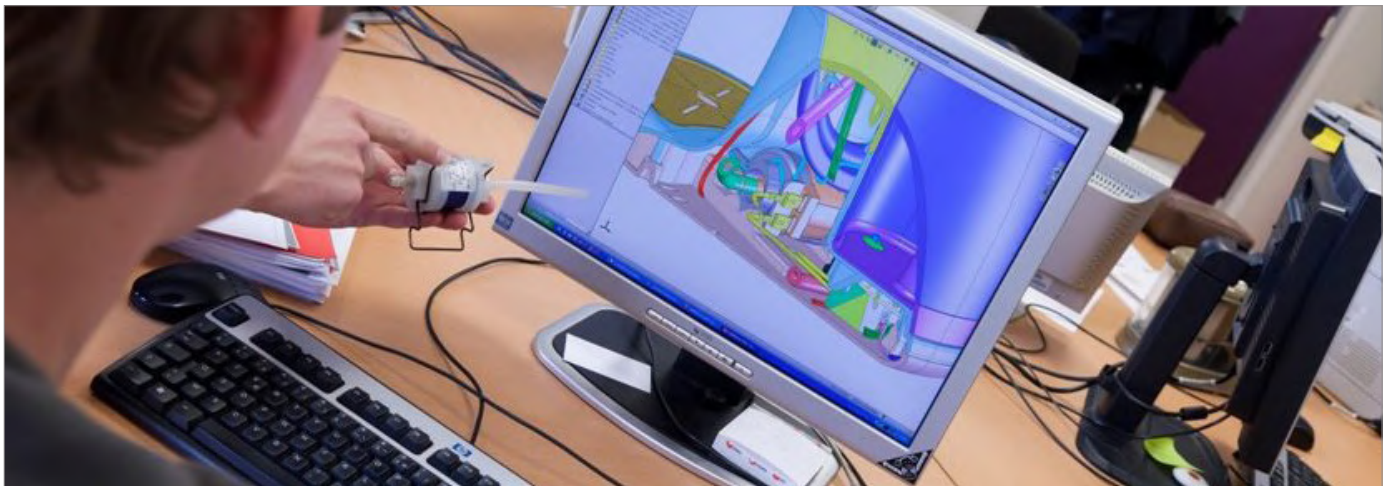


MECHANICAL SYSTEM DESIGN

- > Study and kinematic design
- > Assembly study and design

3D MODELING

- > Solid Works 3D modeling systems, NX, Solid Edge and unigraphics



PLASTIC PARTS DESIGN

- > Plasturgical expertise
- > Modling / Tool Design

MANUFACTURING FOLDER

- > 2D drawing
- > Tolerances & functional quotations
- > Detailed nomenclatures (BOM)
- > 3D files for manufacturing

PROTOTYPING

- > Thanks to stereolithography technologies, sintering of powders, machining or prototype molds, we make a functional prototype in materials with characteristics close to the final materials.
- > Our team validates the technical hypotheses departure, according to the needs of our clients, before the launch of tooling manufacturing.
- > Test, analysis, improvement, prototypes



Photos : Istock