

## EPSYL-ALCEN

- **Number of employees:** 300
- **Turnover:** 20 M€
- **Website:** <https://www.epsyl-alcen.com/en>
- **Industry:** Energy, Space et Aircraft

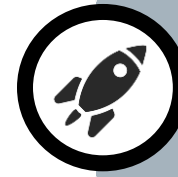


**Thibault ARDHUIN**  
4.0 Industry Leader, EPSYL-ALCEN

“EPSYL mobilizes “DIGITAL” technologies to solve physics issues. We provide unique expertise to modelling systems of our customers.”

## EPSYL combines physics and computer science to develop digital twins of systems

### CHALLENGES



- Model complex multi-physical systems that combine mechanics, fluidics and thermics.
- Define the best IT architecture according to performance, security, cost and maintainability constraints.

### SOLUTION



- Dymola, a complete modelling tool, is used by the design office
- Components from many engineering fields available
- Flexibility to create specific modules
- Interoperability with other software, FMI support

### BENEFITS



- Macro approach: simplified models to determine the technico-economic optimum of a system.
- Complexity of each component adapted to the client's needs.
- Encapsulable models for easier use.