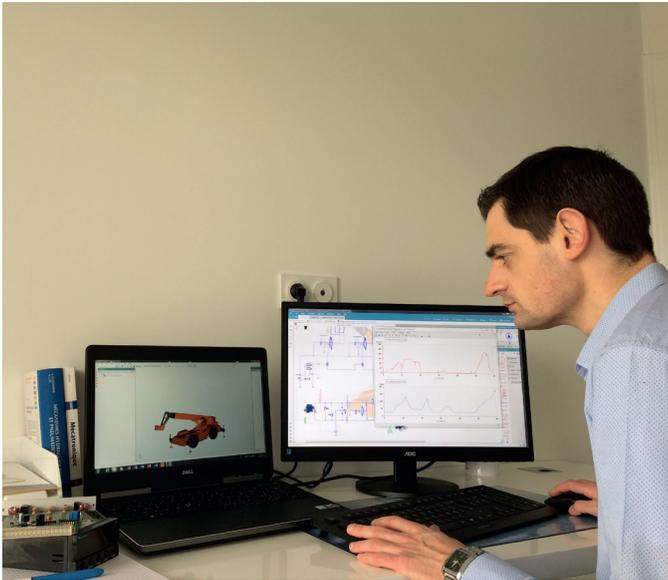


# Hynovium Multiphysics simulation brought within reach of SMEs

To make this technology available to small companies, the founder of Hynovium underwent training in multiphysics simulation and acquired the software LMS Imagine.Lab Amesim.



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## OUR CUSTOMER

**Corporate name**  
Hynovium

**Turnover**  
100,000 euros

**Workforce**  
1 person

**Activity**  
Hynovium is an engineering and technical design company specialised in the multiphysics approach to complex systems and innovation.

**H**ow is it possible to produce complex machines, and sometimes only one such a machine, when they incorporate mechanical engineering, hydraulics, pneumatics, monitoring and control systems, etc. without sending the cost skyrocketing due to having to conduct a multitude of tests and having to build several different prototypes? Multiphysics simulation provides an answer to that question. Aware of the advantages of that technology, and himself an expert in numerical simulation, Bertrand Grison chose to do training in that technology, to acquire it, and to develop a specific range

of services for small and medium sized enterprises, and for intermediate sized enterprises or midcaps. «After several years as a design manager at complex machine manufacturers, I wanted to undergo training in using the multiphysics simulation software LMS Imagine.Lab Amesim, he says. Although the software is published by Siemens, I decided to acquire the necessary skills by being trained by the experts at Cetim, who is a distributor, a trainer, and a user of the product on an everyday basis.»

## A genuine need

After doing his training, Bertrand Grison rapidly opened doors at complex machine manufacturers, including his former employer, and at other SMEs who wanted to succeed with some particularly innovative projects.

«It's difficult for SMEs to have their own resources and skills for manipulating tools like LMS Imagine.Lab Amesim. And yet such tools provide unique solutions for innovating without taking risks and thus for stepping into the industry of the future in practical terms, he explains. The pragmatic approach that we propose aims to work with the customer by integrating its know-how into the development of the numerical

model. Amesim then makes it possible to test innovative solutions on that model as if it were a genuine prototype, and to do so within very short lead times and at lower cost.» His conviction would appear to be in the process of being borne out because, after one year in business, Hynovium is planning to hire four people and to triple its turnover within the next three years.

## Cetim's asset

As a distributor, a trainer, and a user of the LMS Imagine.Lab Amesim platform, Cetim has acquired recognised expertise in multiphysics simulation and analysis. The Amesim platform provides realistic components and system models for all of the stages of the development cycle, and for assessment and validation at the start of the design cycle.



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