Success Story Templates

NCC Spain,

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Industrial HPC Course

SUCCESS STORY IN AUTOMOTIVE

COMPANY APPLUS/IDIADA

APPLUS/IDIADA is a company specialized in design, engineering and approvals for the industry.

THE PROBLEM

Create a computing application demonstrator with extreme computing needs. The project included the development and implementation of computational solutions.

SUCCESS STORY DETAILS HPC provider: CSUC Domain Expert: Country: Spain Link: https://www.csuc.cat

THE HPC PROBLEM DOMAIN

Computational solutions HPC Simulation

THE SOLUTION

The computational solutions have been the thermal simulation of vehicles, the automatic optimization of vehicle bodies, the modeling of carbon fiber structures, the modeling of the breakage of the weld points, the simulation of high frequency acoustics and the simulation of the behavior of electrical components.

THE BENEFITS

Participants have been able to easily perform their simulations. Optimizations have been experimentally validated.



SUCCESS STORY IN AUTOMOTIVE

THE PROBLEM

The company participated in an industrial research cooperation project that aimed to create a computing application demonstrator with extreme computing needs. Thus, the project included the development and implementation of computational solutions that at that time were not yet within the reach of the industry due to their great computational requirements.

THE HPC PROBLEM DOMAIN

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