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UPSCALE is the first EU project with the specific goal of integrating **AI** with traditional physics-based **Computer Aided Engineering** to reduce the development time and increase the performance of electric vehicles (EVs).

Nowadays High-Performance Computing **(HPC)** and Computer Aided Engineering **(CAE)** play a decisive role in vehicle development processes.

The two most **HPC and CAE** intensive parts of the development of EVs are vehicle aero-thermal and vehicle crash performance, by implementing AI these two areas will be improved generating a 20% reduction of the vehicle development time.

PROJECT GOALS AND MISSION



