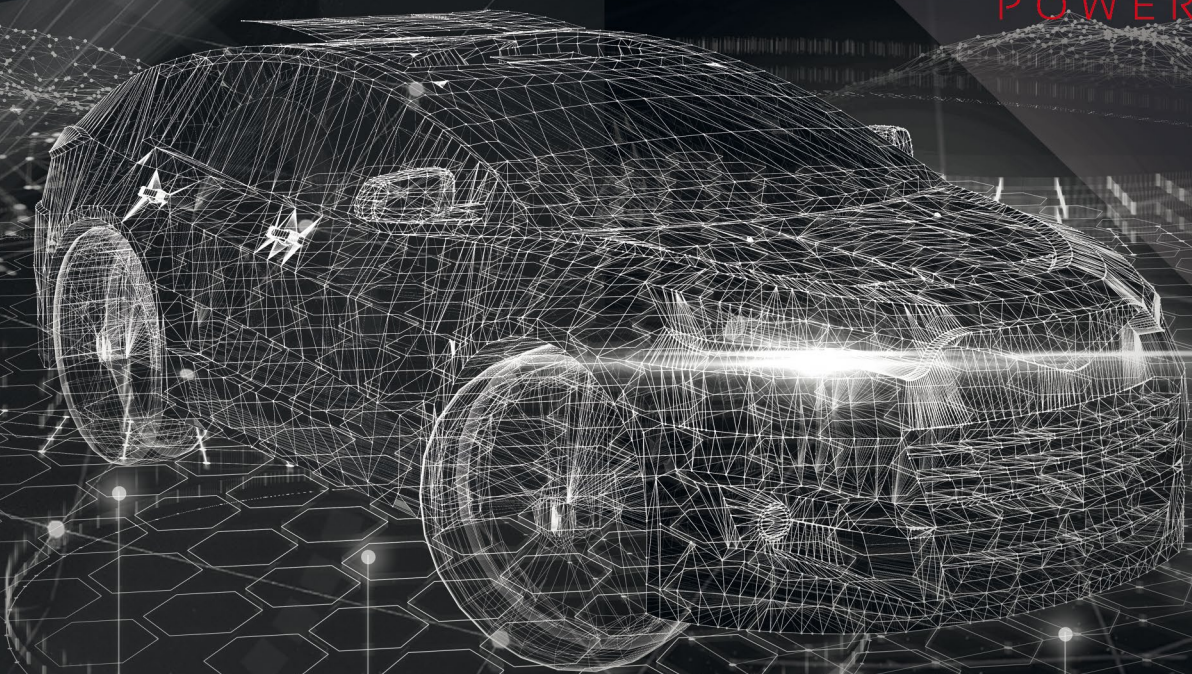


VI-grade Software On Demand

INNOVATION IN THE CLOUD

COMPLETE
FLEXIBLE
POWERFUL



Challenges

COMPLETE
FLEXIBLE
POWERFUL

INNOVATE IN A COMPLEX SCENARIO

The usage of simulation has evolved into a mainstream process **in automotive development** and is now at the center of every innovation. The increasing level of system complexity and the increased cadence of development activities faced by engineers requires up-to-date and **scalable computational power to meet the development cycle demands, in an era of scarce capital.**

For companies who strive to innovate in such a complex environment, **choose VI-grade on-demand software solutions to provide both scalable software and hardware resources that can be consumed in a pay-as-you-go fashion.**



NEED OF SUSTAINABLE COSTS

Costs of the computational infrastructure need to be always foreseen and sustainable.



NEED OF REGULAR UPDATES

As technology evolves rapidly, constant upgrades to simulation capabilities (software and hardware) are needed to remain competitive.



NEED OF AGILITY AND FLEXIBILITY

Having immediate access to on-demand resources is the winning weapon to satisfy the requests coming from the market in a timely manner.

**Looking for
the best driving
experience ever**



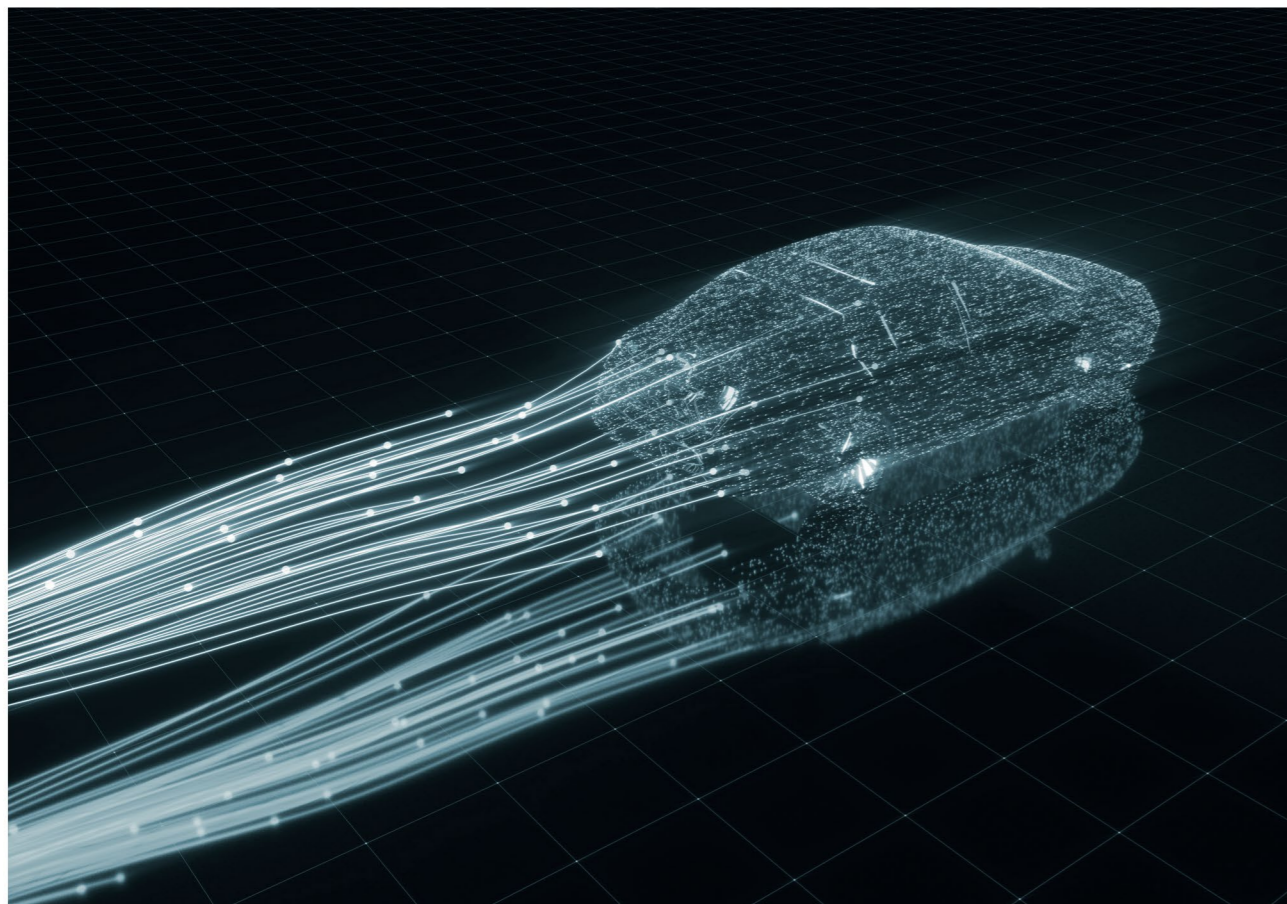
Solution

COMPLETE
FLEXIBLE
POWERFUL

INNOVATION IN THE CLOUD

Welcome to a world of limitless opportunities: **VI-grade on-demand software** gives access to all the power of the VI-grade solutions from the cloud, offering virtually unlimited computational scale.

Thanks to **Rescale** technology, VI-grade on-demand software gives you the possibility to access additional **on-demand licenses on the cloud** to face every new simulation challenge in a timely manner – directly from your workstation. In a complex market, **speeding up your design capacity directly means increasing competitiveness.**



GOALS

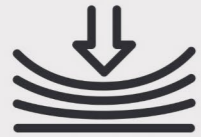
- High performance, scalable services for computing
- Efficient, modular and robust environment
- No limits in additional computational power and licenses

Benefits

COMPLETE
FLEXIBLE
POWERFUL

THE POWER OF COMPUTING

VI-grade on-demand software allows you to tackle **every simulation challenge** through **hundreds of parallel simulations in the cloud** coupled with additional on-demand software licenses. Car manufacturers and suppliers, universities, service providers and research and development institutes can all benefit. This service is **available to current VI-grade software licencees.**



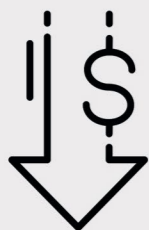
FLEXIBILITY & SCALABILITY

- VI-CarRealTime computation power on-demand
- Use as many licenses as required; pay-as-you go
- As long as you need the additional license



MAXIMIZED PERFORMANCES

- Access to powerful, cutting-edge hardware
- Serial computing on powerful computers
- Parallel computing for even more computational speed for large studies



MINIMIZED COSTS

- Always up-to-date hardware and software
- No maintenance or logistics costs
- You pay only for what you use



Software on demand helps customers bridge the gap between testing and simulation by enabling to face every simulation challenge through hundreds of parallel simulations on the cloud and on-demand additional software licenses.

FEV

VI-GRADE

VI-GRADE

rescale



Are you ready to evolve with VI-grade Software On Demand ?

"Nowadays, due to the increasing complexity of powertrain and engine, a fully Integrated Simulation-based Powertrain Development Methodology is required to support efficiently the product development and its process. A dedicated methodology for PHEV powertrain simulation and optimization has been developed by FEV via VI-CarRealTime – FEV MiL cosimulation. One part of the methodology is a cloud-based investigation using the Rescale platform by co-simulating the vehicle model and the powertrain model. The co-simulation platform allows the investigation of the complete system, providing information in terms of emissions and consumption as well as prediction of the impact of powertrain parameters on vehicle performances."

Michele Caggiano, FEV Managing Director

COMPLETE

FLEXIBLE

POWERFUL



BRIDGING THE GAP

BETWEEN TESTING AND SIMULATION



Learn more at vi-grade.com/software_on_demand