

## Computer-Aided Engineering (CAE)

The development departments of today's companies in automotive, mechanical engineering, naval architecture, or aerospace would not be imaginable without the deployment of highly performing compute facilities. Computer-aided engineering (CAE) is an indispensable part of development processes and product innovation.

Whether you need highly optimized workstations for pre and post processing or very demanding CAD applications, or high-performance compute clusters with intelligent job handling and ease of management, or a parallel filesystem solution for highly scalable HPC storage. Chip ICT solutions for all areas of technical computing comprise the latest technology and serve only one purpose: to provide the customer with a highly productive and high-performance development environment that is easy to manage and easy to use.

- ✓ *Structural dynamics*
- ✓ *Crash simulation*
- ✓ *Noise – Vibration – Harshness (NVH)*
- ✓ *Acoustics*
- ✓ *Computational Fluid Dynamics (CFD)*
- ✓ *Electromagnetics*
- ✓ *Multiphysics*
- ✓ *Passive Safety*
- ✓ *Passenger Safety*
- ✓ *Active Safety*

All applications are integrated into a workload manager, according to the customer's demands, and provided to the end users via comfortable submission scripts or a web portal. This way, highest computational capacity and ease-of-use are combined to a total solution that provides the customer with maximal productivity. Chip ICT designs and implements individually configured solutions for remote post processing, to provide customers with a comprehensive workflow optimization and data consolidation. Dedicatedly targeted at the special demands of remote visualization within CAE, NICE DCV and the job portal EnginFrame have as their primary goal to transfer 3D and OpenGL graphics applications even across WAN or internet links with low bandwidth and high-latency. Besides a higher utilization of the existing hardware, new innovative ways towards collaboration across sites and a central data management are shown.

We will design, deliver and install your custom solution

Your decision for a Chip ICT solutions means you opt for the most intensive customer-care and best service in HPC.

Our experts will be happy to bring their expertise and support to assist you at any stage, from design to daily cluster operations.

### Typical applications:

- ✓ LS-Dyna
- ✓ PAM-Crash
- ✓ Star-CD and STAR-CCM+
- ✓ Nastran
- ✓ Abaqus
- ✓ ANSYS Fluent, ANSYS CFX and ANSYS mechanical
- ✓ COMSOL
- ✓ NUMECA
- ✓ open FOAM
- ✓ MAGMASOFT
- ✓ SWAN
- ✓ ROMS
- ✓ And many more...

For more information please visit: [www.chipict.com](http://www.chipict.com) or call: +31 (0) 888 377 377