



ESI Group and Intel Corporation

Working Together to Deliver Enterprise Class Performance in Simulation Based Design Engineering Solutions

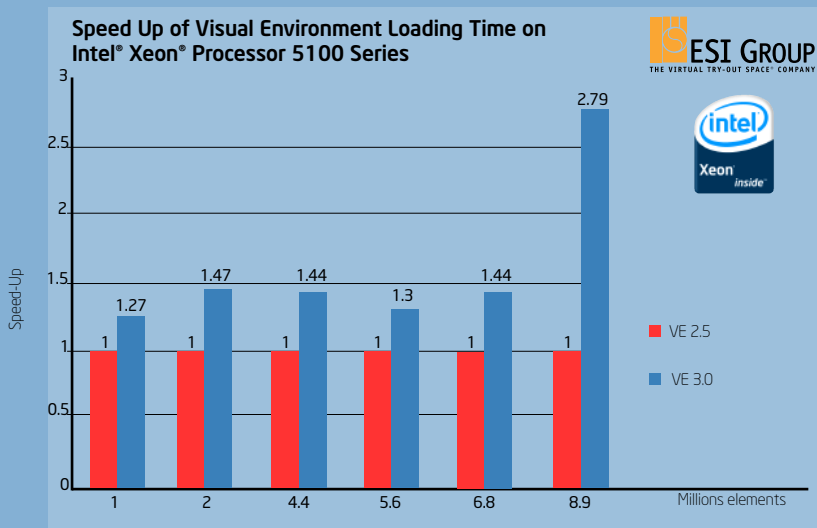
Fostering sustainable growth under the pressure of a global economy and time-to-market challenges obliges companies to manage simultaneously their network of business processes while maintaining a strict focus on product excellence and innovative solutions. Industry now needs to move away from the traditional trial-and-error methodology, which places primary confidence in physical prototypes, and must embrace Simulation-Based Design. It will help companies innovating faster by reducing the need for real prototype through collaborative engineering. To get into the details of the physics, engineers rely on refined digital models and powerful software which call for intense compute power and optimized architectures.

ESI Group Visual Environment, optimized for Intel's platforms, offers premium performance in simulation.

Visual Environment

ESI Group has developed a suite of software, Visual Environment, which is a proven engineering simulation environment solution based on openness and extended interoperability with tier CAE solutions and ESI group's solvers. Visual Environment integrated solution portfolio bridges low to high end requirements, knowledge processes and data, and engineering workflows that can be managed in a structured way. Openness, interoperability, and knowledge capture with its effective re-use are critical to generating our customers' business value. Software solution such as PAM-CRASH 2G for crashworthiness simulation and Visual Environment for pre and post processing take advantage of 64-bit instruction of hardware and multi-core technology in the latest Intel® Xeon® Processors 5100 Series.

Benchmark



Key Benefits

- A data processing time up to 2,79 times faster from VE 2.5 to the VE 3.0 optimized on latest multi-core Intel® Xeon® Processors
- Up to 10 million Finite Elements model in short restitution time using Windows XP 64bit
- More accurate simulations due to refined model which allows investigating critical zones
- Hardware & Software cost efficiency combination on multi-core workstations

