

The Future of Process Integration

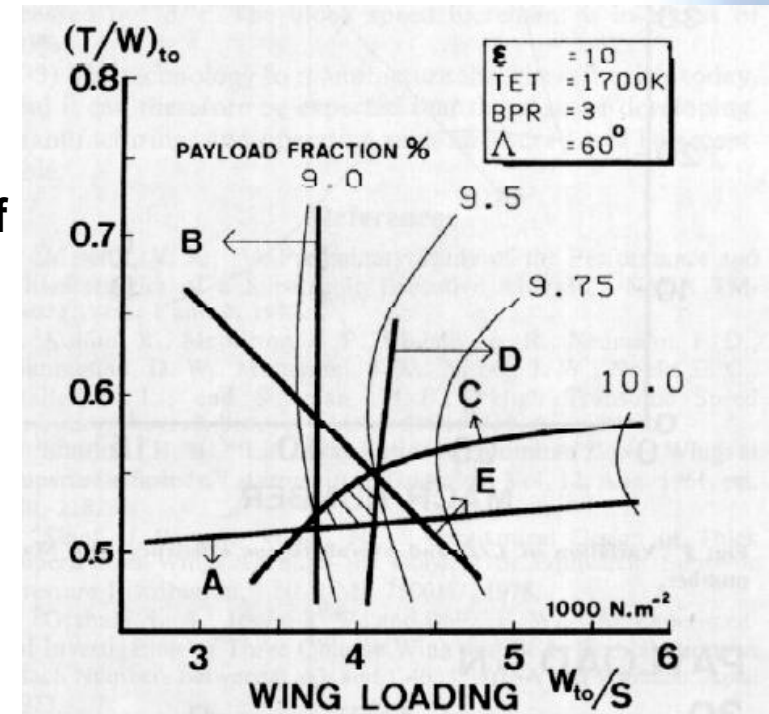
ASME IDETC

Dr. Alex Van der Velden

Director, Simulation Lifecycle Management

My Background

- 1987 Engineer's degree in aircraft design (Torenbeek)
- 1992 PhD Stanford on the the design of a Oblique Flying Wing (Kroo)
- 1992-1995 Worked for Airbus on A380 Superjumbo and other aircraft
- 1995-2004 Had my own company "Synaps, Inc." (Early PIDO)
- 2004-2008 VP Engineering Engineous Software Inc.
- 2008 Director, Simulation Lifecycle Management Dassault Systemes Simulia Corporation.



Parametric Aircraft Design
Journal of Aircraft, 1989

Our Company



- **DASSAULT SYSTEMES** is the worldwide **PLM** leader and software innovator. Our **SolidWorks**, **CATIA**, **SIMULIA**, **DELMIA**, **ENOVIA** & **3DVIA** solutions empower users to create, share and experience in 3D.
 - Revenue \$2+ Billion, 8000 people
 - 45% in R&D
- **SIMULIA** Corporation is the simulation brand
 - 740 people, HQ Providence, Rhode Island (Abaqus)
 - 510 Engineers, and 27% PhD, 45% Masters

Our Company



Vision: Make simulation an *integral business practice*

- Enabling engineers & scientists to reduce dependence on physical testing, support multidisciplinary collaboration and drive innovation in research & development

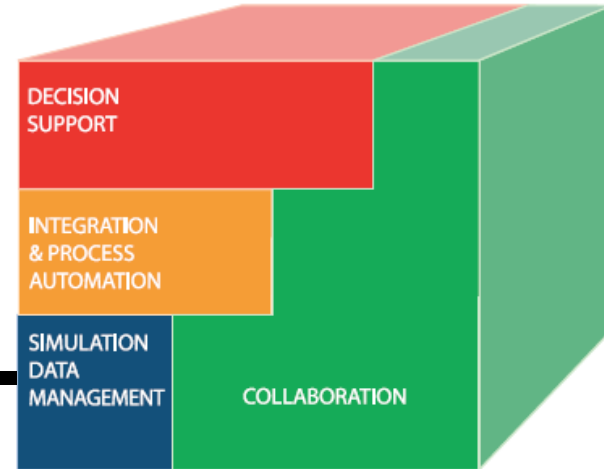
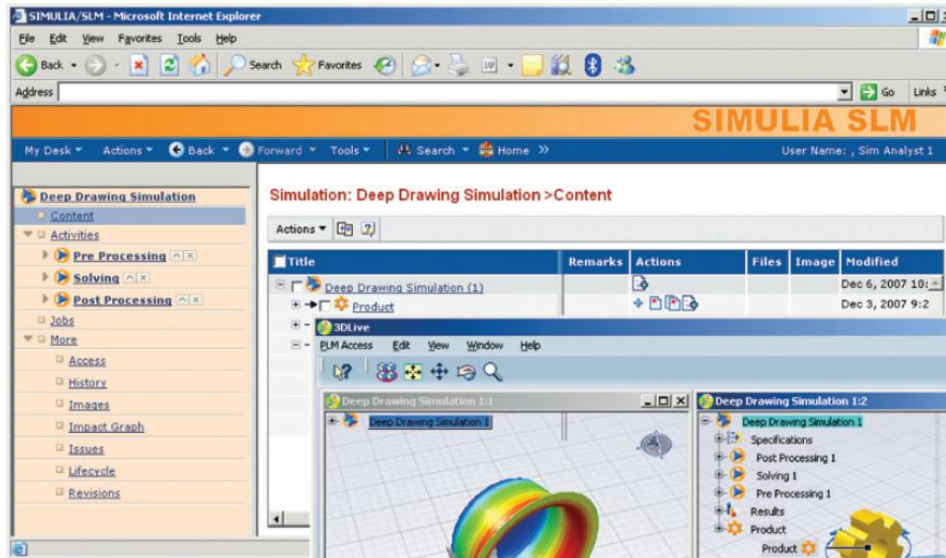


Mission: Be the leading provider of simulation solutions for *engineering and scientific simulation*

- Powered by an open, simulation centric framework that facilitates collaborative decision making, manages the simulation lifecycle and achieves cross-disciplinary efficiencies.

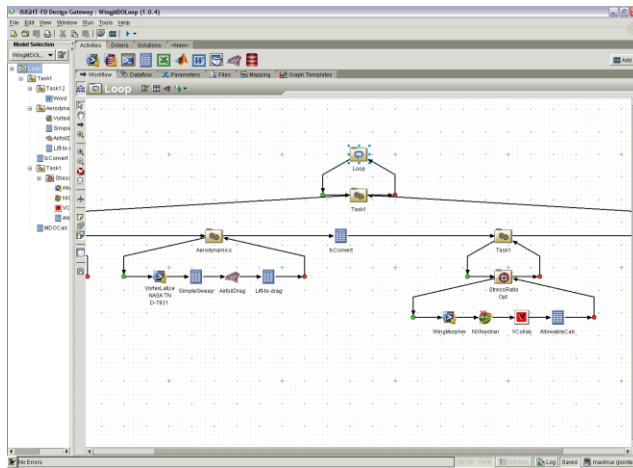
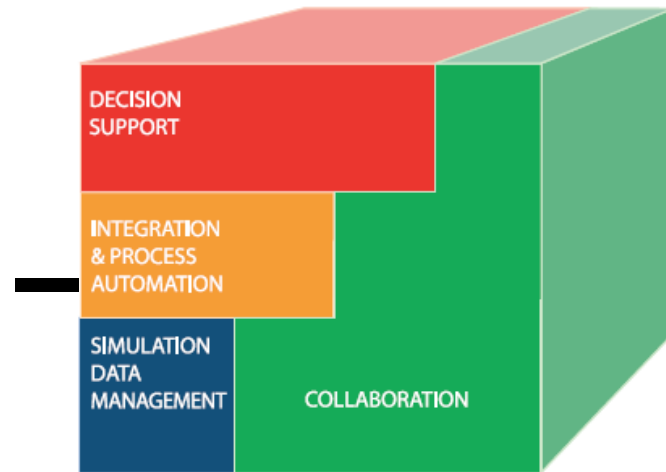
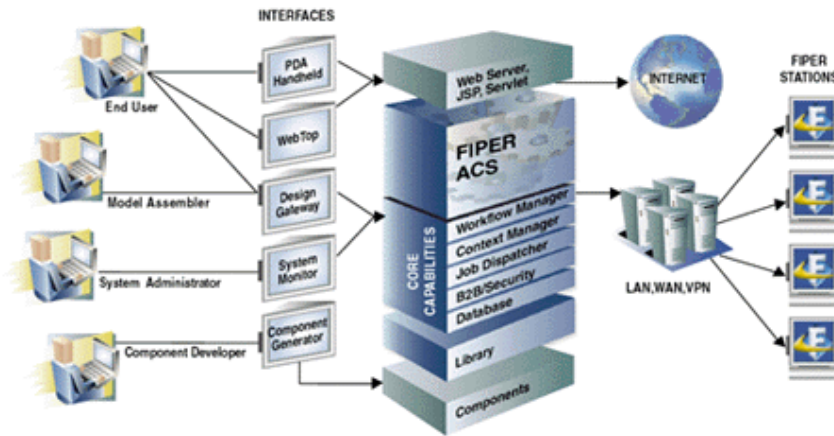
Our Vision for SLM & Current Products

ENOVIA



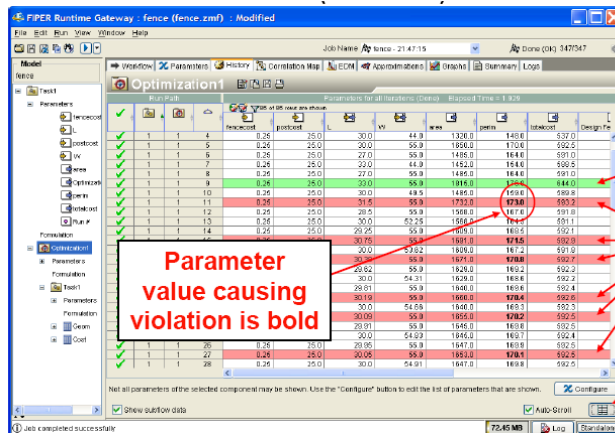
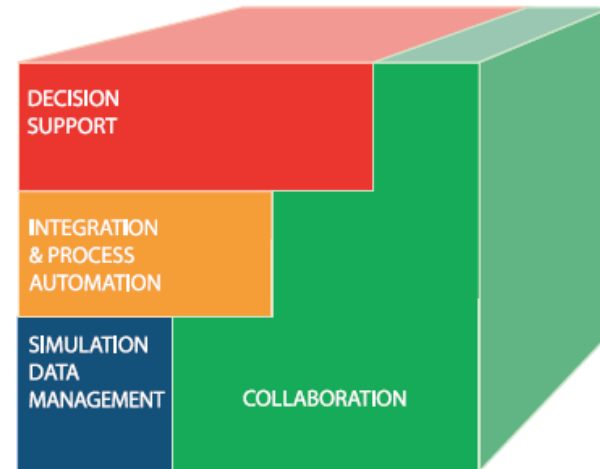
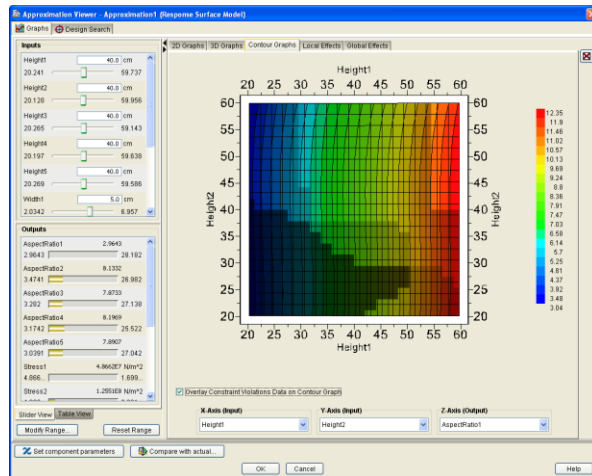
3DVIA

Our Vision for SLM & Current Products



SIMULIA

Our Vision for SLM & Current Products



SIMULIA