



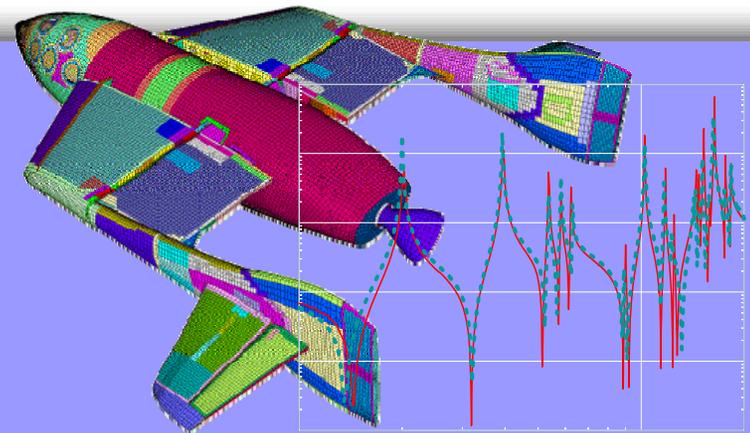
UGS

The PLM Company

NX Response Simulation Roadmap

Mark Donley

Product Manager





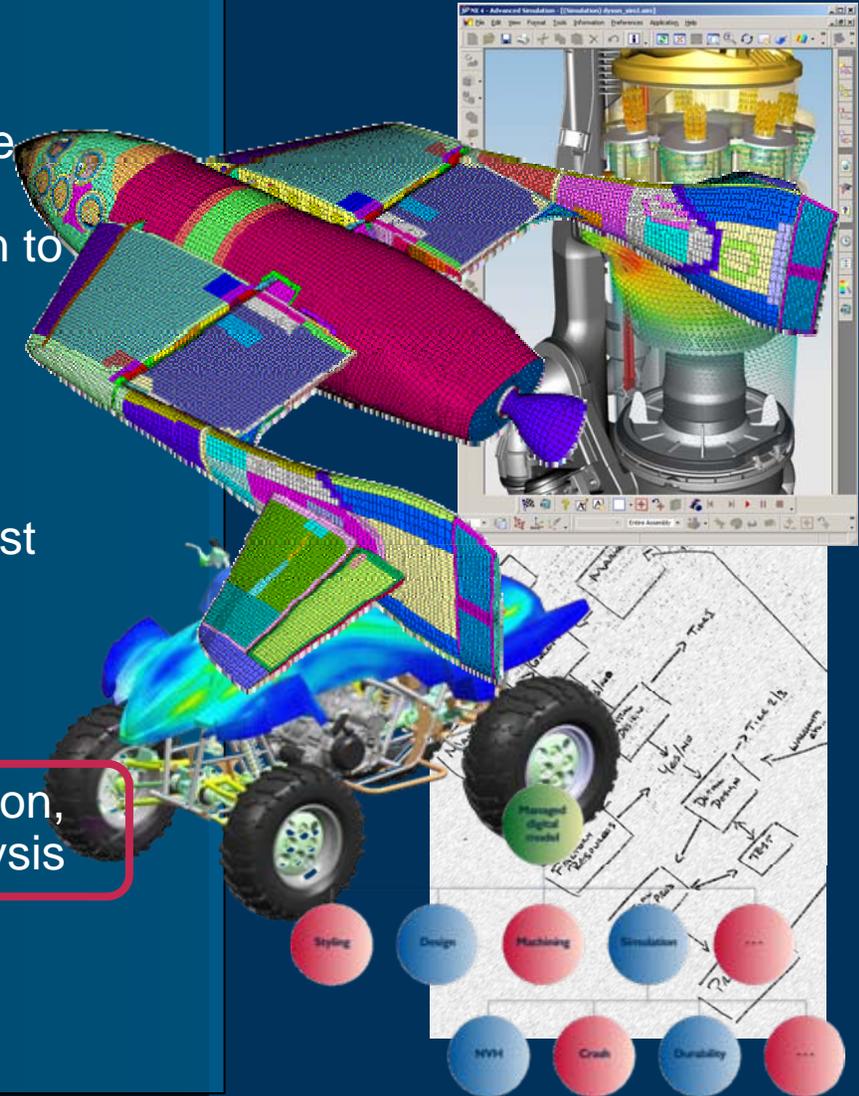
Vision & Objectives

Vision

- ▶ Digital Simulation Solutions that are pervasive throughout the product lifecycle and that enable Simulation to affect and drive product designs

Key Objectives

- ▶ Best-in-class, scalable CAE pre-post solutions
- ▶ Market recognized, physics based solvers
- ▶ Integrated system analysis for motion, flexible bodies, and response analysis
- ▶ Data management





Topics

Not just better tools,
a better toolbox

NX

- ▶ **Product Strategy**
- ▶ **Roadmap**
 - ▶ **NX 5 Plans**
 - ▶ **Beyond NX 5**



Topics

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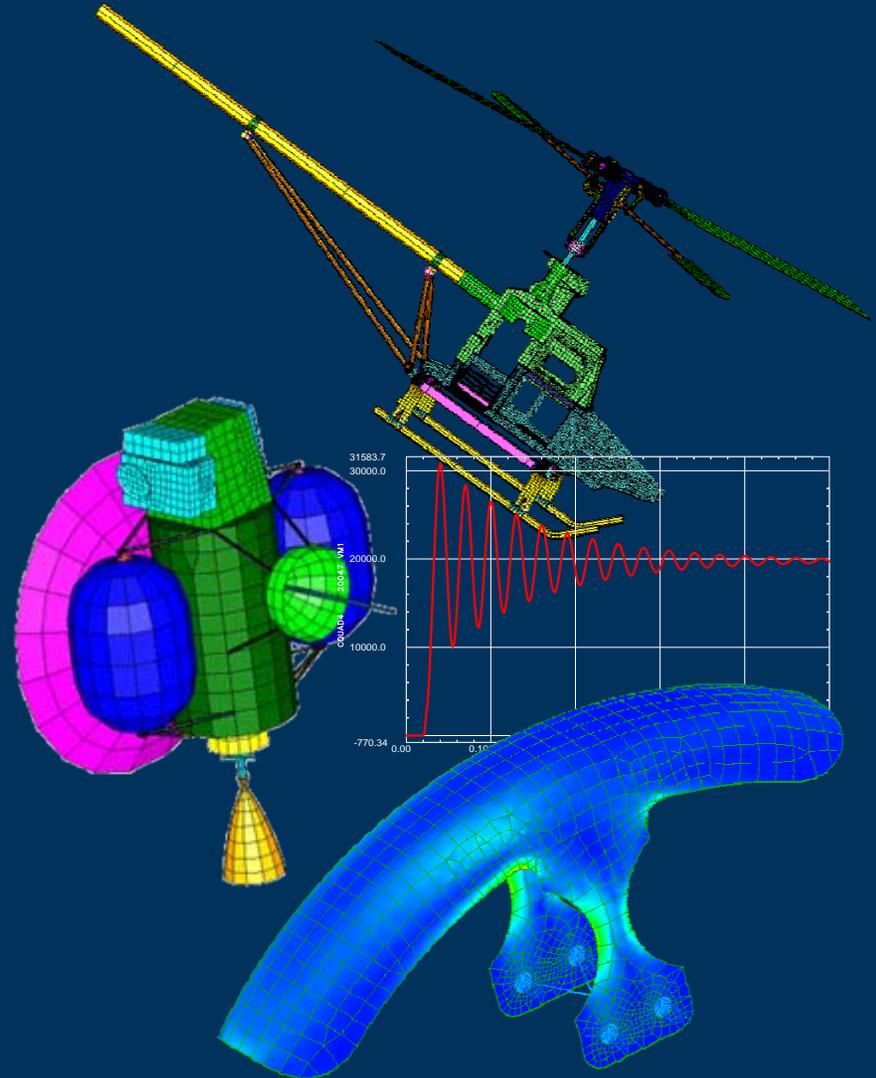
NX

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NX Response Simulation Product Strategy

- ▶ Integrated Dynamic Response Simulation
 - ▶ Ease-of-Use – Easy to use UI for setting-up solutions, computing results, viewing results
 - ▶ Interactive – Uses pre-solved modes to for very fast forced response analysis
 - ▶ Advanced Solutions – full range of dynamic solution options
- ▶ Leverage NX Nastran Solver
 - ▶ NX Nastran used for mode calculation
- ▶ Integrate with Teamcenter PDM Solutions





Response Analysis Product Migration

Integrated Dynamic Analysis

I-deas Response Analysis

Shared License

NX Response Simulation

I-deas 11

NX 3

I-deas 12

NX 4

NX 5

I-deas 13

NX 6

2004

2005

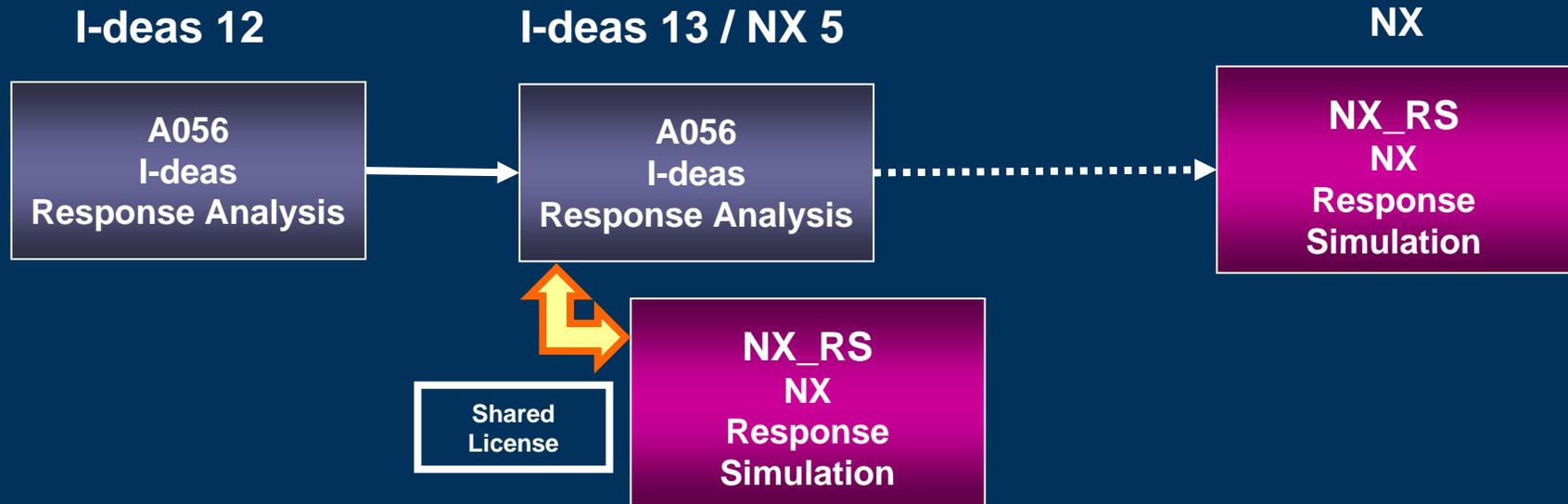
2006

2007.....



Migration Plan

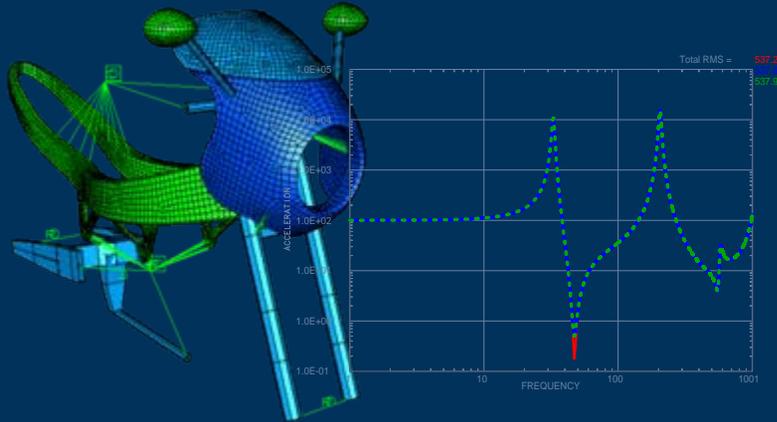
Response Analysis to NX Response Simulation





Response Simulation Vision

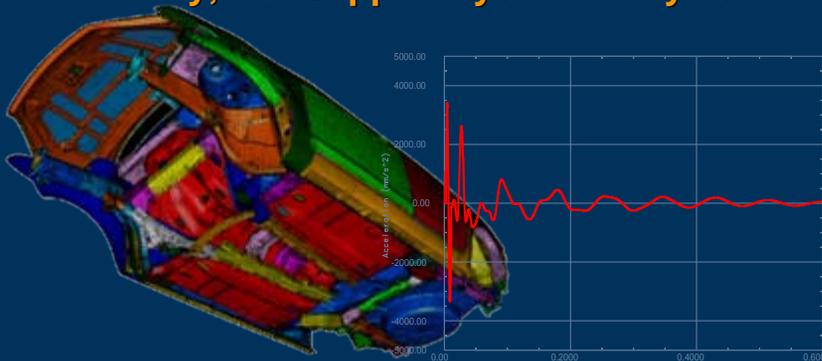
Today – I-deas Response Simulation provides best-in-class forced response dynamic solver for component models.



I-deas Response Analysis

- ▶ Comprehensive advanced analysis capabilities
- ▶ Interactive with high ease-of-use

Tomorrow – Re-host RA functionality in NX environment. Extend capabilities to more advanced simulations, greater user functionality, and support system analysis.



NX Response Simulation

- ▶ Greater leveraging of NX Nastran solver
- ▶ More advanced options
- ▶ More solution results – strain gage ...

Today

Tomorrow



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Roadmap Details

- ▶ To be presented at conference

