

Design for real

Optimus<sup>®</sup>

# Build better products. Faster.

**Optimize product design  
making better use of the  
engineering software you know.**



Automate



Discover



Optimize

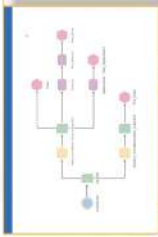
**noesis**

a Cybernet Group Company



## Automate

Build superior engineering processes



Integrate any engineering software into an automated simulation process.

Open & Customizable

Address engineering challenges from any physics area. Include spreadsheets to account for manufacturing costs.



## Discover

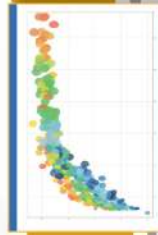
Unleash the full product potential

Parallel Computing

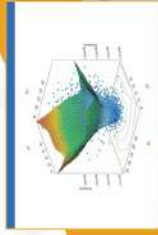
# Cut development time, and yet spend more time and energy on engineering better products.

Adaptive Design Space Sampling

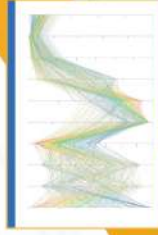
Identify the most relevant design parameters and get invaluable engineering insights. Discover hidden correlations to fine-tune your product optimization strategy.



Instantly evaluate new solution designs on accurate Response Surface Models powered by our unique Machine Learning methods.

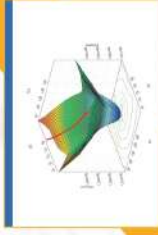


Find designs that meet performance objectives and respect manufacturing constraints.



Smart Optimization

Use our NAVIRUN 1-click optimizer or any of our advanced optimization algorithms to identify the best overall product design.



Robust Design

## Optimize

Take the guesswork out of engineering

Machine-learning Boosted Modeling

# The industry's preferred software for Process Integration & Design Optimization

Design for real

# Optimus<sup>®</sup>

**Optimus** is used by manufacturers in engineering-intensive industries to optimize their product designs. Thanks to this market-leading software, engineering teams can maximize the time spent on productive tasks and gain deeper insights by making efficient use of all engineering software and data.

**Unique adaptive exploration techniques  
for effective design space sampling.**

**An open platform,  
customizable to every need.**

**Machine-learning boosted modeling to  
address any engineering problem.**

**Intuitive 1-click smart modeling  
for non-expert users.**

**Truly world-class  
customer support.**

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Noesis Solutions is a subsidiary of Cybernet Systems, a leading provider of multi-domain CAE solutions.



# What our customers achieve

## 10x faster

Trane's automated workflow uses ANSYS® software combined with our optimization tools to evaluate 10 design alternatives — all in the time once required to analyze just one design.



## Best trade-off

Asahi Group Holdings uses Optimus to develop the most suitable food supplement tablet shape. Based on tablet hardness and punch strength simulations, Optimus revealed the best possible design trade-off between ease of swallowing and durability.



## +10% performance

CIRA used our software to explore innovative tiltrotor aerodynamic design concepts. The blade optimization process has proven to provide a sound methodology, holding the potential to identify solutions that increase performance by 10% or more.

## 5x more robust

A Japanese printer manufacturer increased printing performance and paper mechanism robustness, so that paper jam probability reduced 5-fold when feeding poor-quality paper in the tray.



## Tremendous savings

Sogeti High Tech consultants perform assembly flow simulations based on a digital factory model defined in DELMIA®. By linking to the digital factory model, they can efficiently maximize assembly line output for any production rate, realizing tremendous economic savings.