




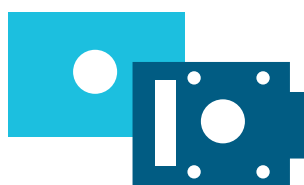
DIGITAL INDUSTRIES SOFTWARE

# Drive innovation with system simulation

Simcenter Amesim helps you gain efficiency throughout the product lifecycle

[siemens.com/simcenter-amesim](https://www.siemens.com/simcenter-amesim)

## Address industry challenges

<p>Fulfill requirements</p> 	<p>Frontload design decisions</p> 	<p>Validate performance earlier</p> 	<p>Design complex systems faster</p> 
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## Meet the challenges with Simcenter Amesim

Predict mechatronic systems performances	Balance conflicting attributes	Benchmark multiple options
Reduce prototyping and testing cost	Optimize system design	Verify and calibrate controls

## Model systems faster with ready-to-use multi-domain libraries

>49 libraries

>6500 multiphysics models

Model systems faster with ready-to-use multi-domain libraries



Fluid



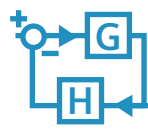
Mechanics



Thermodynamics


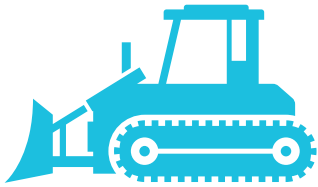



Electrics



Controls

## Use application and industry-oriented solutions

Automotive and transportation	Aerospace and defense	Heavy equipment
		
Marine	Energy and utilities	Industrial machinery
		

## Streamline system simulation with a powerful platform

Open environment	Workflow customization	Task automation
Enterprise process integration	Model and data management	More simulations in less time

## Simcenter Amesim delivers real-world results

1 year

reduction in fuel system design cycle

Source: Airbus Helicopter

1,000

simulations per day

Source: Bosch

80%

reduction in development time

Source: MAN Energy Solutions

75%

reduction in controls development time

Source: Plastic Omnium

To learn more about system simulation with Simcenter™ Amesim™ software, visit: [siemens.com/simcenter-amesim](https://www.siemens.com/simcenter-amesim)