



Teamcenter Simulation Overview

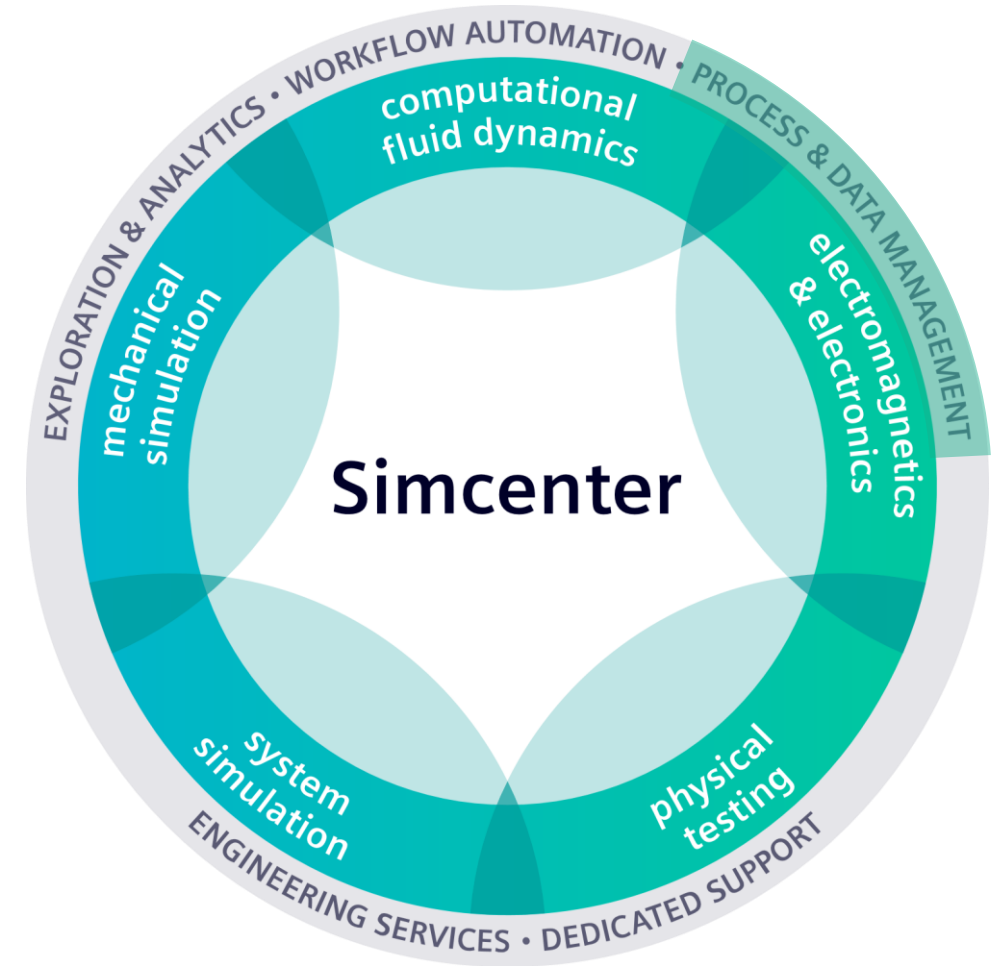
Where today meets tomorrow.

“30% of analysts’ time was spent seeking or providing information and a further 32% was spent in discussions or meetings.”

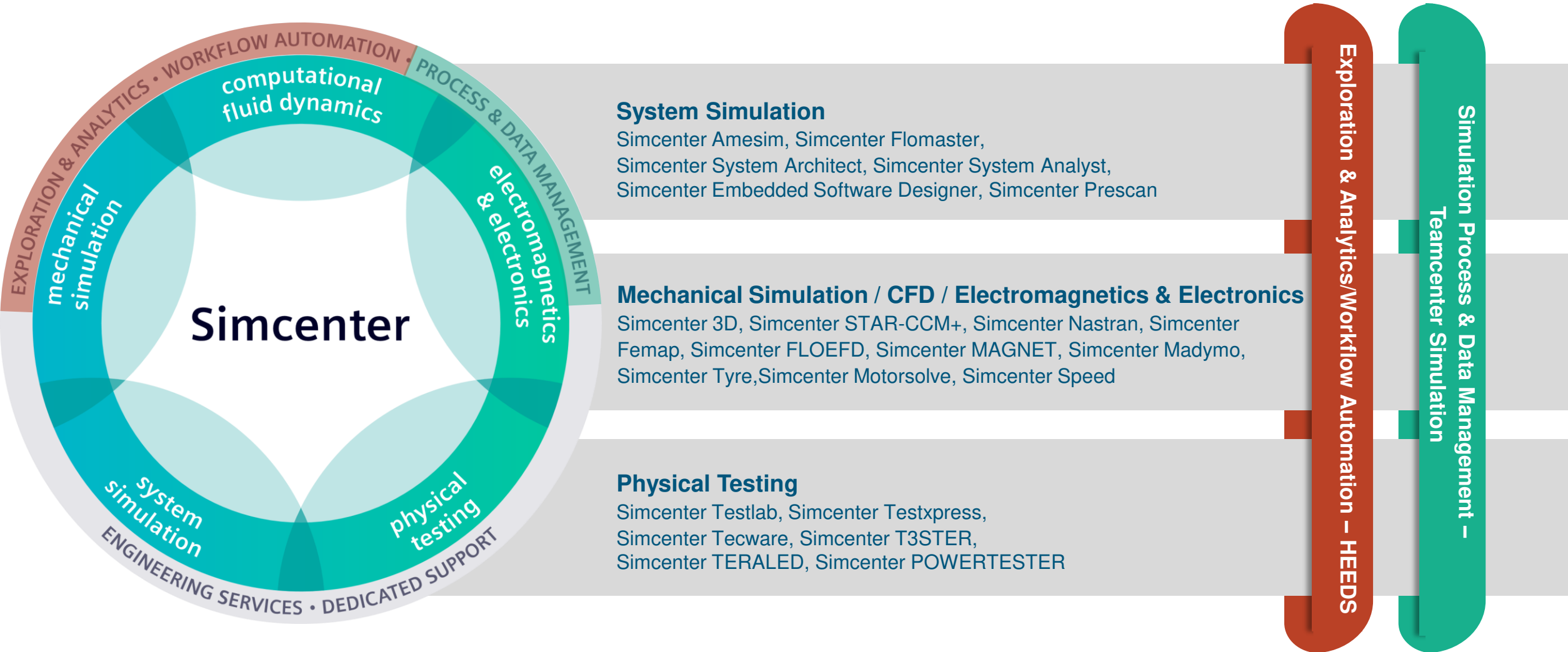
What is Teamcenter Simulation

Teamcenter “Simulation Process and Data Management (SPDM)” is an organizational interface that enables users to easily manage and archive simulation processes, data, tools and workflows.

Engineers and CAE analysts use Teamcenter Simulation to speed up simulations and effectively drive product development!



Teamcenter Simulation Enables Simulation Process and Data Management for Simcenter



Teamcenter Simulation Enables Simulation Process and Data Management for Simulation Tools



Abaqus



Altair
HyperMesh



Altair
PBS Works



ANSA



ANSYS



Custom
Scripts



Custom
Utilities



Excel



GLVIEW
INOVA



HEEDS



IBM
Platform LSF



JT
Open Format



MATLAB



MSC
Software



Nastran



Patran



Simcenter
3D



Simcenter
FEMAP



Simcenter
STAR-CCM+

TEAMCENTER

Benefits of Teamcenter Simulation



Improves Analyst Productivity & Simulation Efficiency

Teamcenter Simulation helps to remove clerical tasks & eliminate rework



Distributes and Executes Tasks in a Collaborative Environment

Teamcenter Simulation provides an efficient distribution of workload globally (with partners, etc.)



Manages Massive Amounts of Simulation Data

Users are able to configure & organize only relevant data with end-to-end traceability



Simplifies Model-build Processes

Users can automate and reuse bulk simulation tasks from program to program, and project to project



Streamlines and Guides Simulation Workflows

Teamcenter Simulation addresses the variety and complexity of simulations to make it easier to understand which analyses to perform with which dependencies



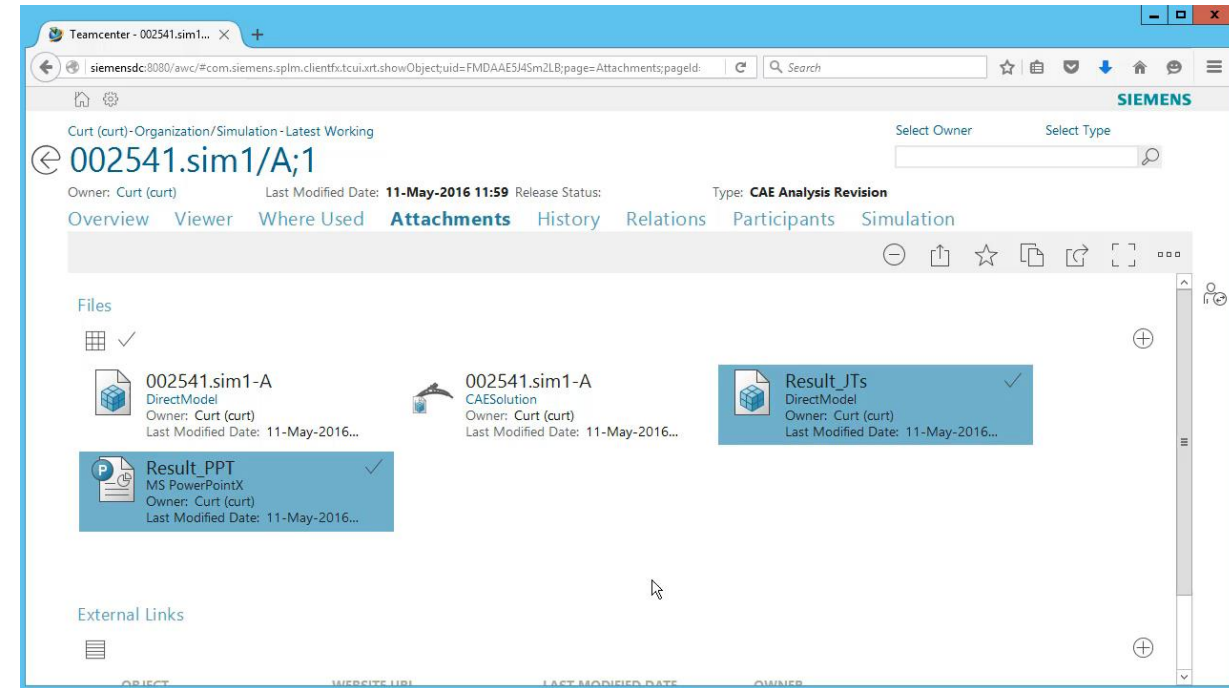
Provides Accessibility of Timely Results

Teamcenter Simulation delivers timely results and makes them easily accessible throughout the enterprise to help improve product decisions

Managing Simulation Data with Teamcenter Simulation

Teamcenter Simulation enables:

- **Simulation Data & Lifecycle Management**
 - Includes all 3D simulation data
 - Authoring tool independent
 - Traceability
- **Simulation Structure Management & Automation**
 - Integrated with product BOM
 - Management of model configurations
 - Automation with Reuse
- **Simulation Tool & Process Management**
 - Management of simulation workflows
 - Integration and execution of tools
 - Easy automation
- **Simulation Visualization & Results Communication**
 - Results post-processing
 - Lightweight JT Visualization
 - Communicate CAE Reports



Summary

Teamcenter Simulation helps streamline simulation and data processes to drive product development!

Teamcenter Simulation Capabilities		Benefits	
Simulation Data & Lifecycle Management	Simulation Structure Management & Automation	Eliminates Repetitive Tasks	
		Improves Collaboration	
Simulation Tool & Process Management	Simulation Visualization & Results Communication	Organizes Relevant Data with Traceability	
		Simplifies Model-build Processes	
		Streamlines Simulation Workflows	
		Delivers Timely Results	