

# Simscape Jumpstart Service

Simscape Jumpstart Service is a two-day engagement that facilitates the rapid adoption of Simscape™ in your organization. It is designed for engineers who want to build and simulate models spanning multiple physical domains, including mechanical, hydraulic, electrical, and thermal domains. By the end of the engagement, you will be able to model complex interactions in multidomain physical systems.

The consultants will provide sample models, code, and supporting electronic files.

## Service Topics

### Applying the network approach to modeling and simulating physical systems

- Basic principles of a network of physical components contrasted with the signal block diagrams used in Simulink®

### Using Simscape libraries

- Applying Simscape components to several sample multidomain physical systems
- Using Simscape with Simulink
- Performing math operations on physical signals and graphically entering equations

### Applying performance enhancement strategies

- Configuring solvers
- Performing model trimming and linearization
- Generating C code from the model
- Troubleshooting

### Customizing with Simscape language

- Creating custom domains and components with the Simscape language
- Building custom Simscape libraries

## Service Requirements

**Prerequisites:** Basic experience with Simulink required

**Required equipment and software:** A laptop computer, with the appropriate software installed, for each attendee

**Duration:** Two days

**Location:** Onsite or at a MathWorks training facility

**Maximum number of attendees:** Five

## Ordering Options

You can order Simscape Jumpstart Service when you purchase the software or at a later date. Contact your MathWorks sales representative for details.

### Learn More

Consulting Services  
[www.mathworks.com/jumpstart](http://www.mathworks.com/jumpstart)

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