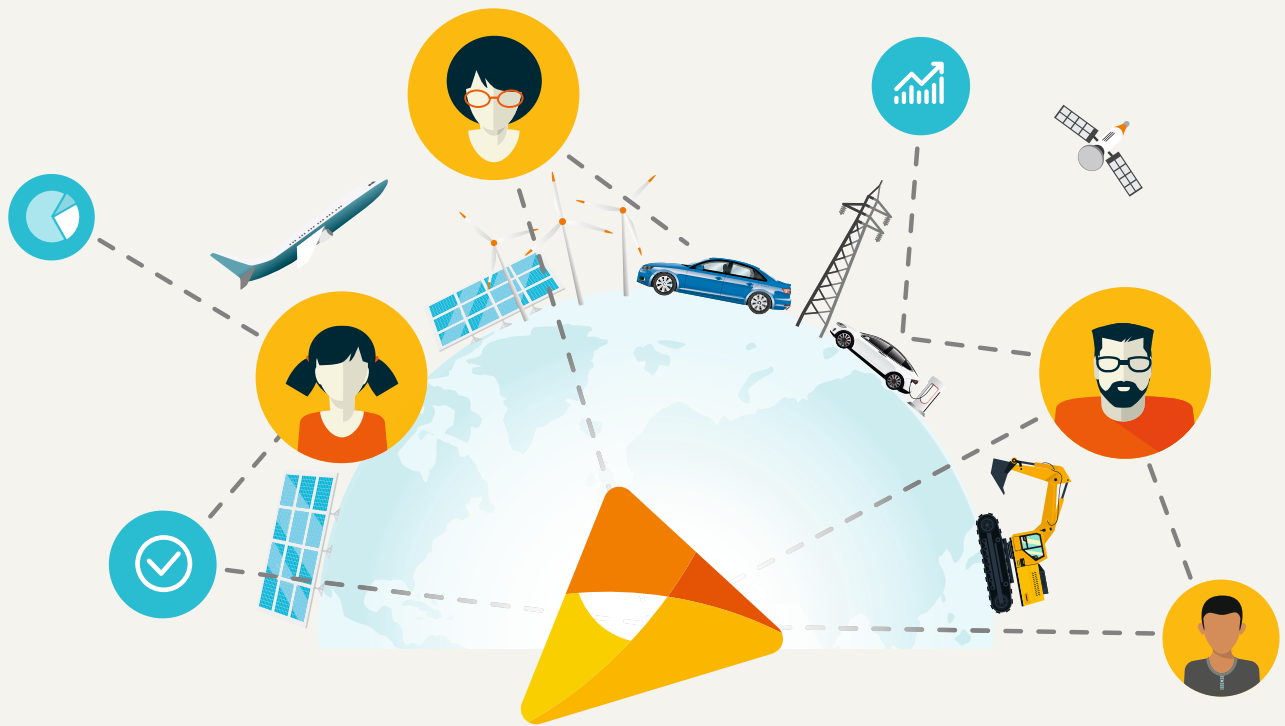


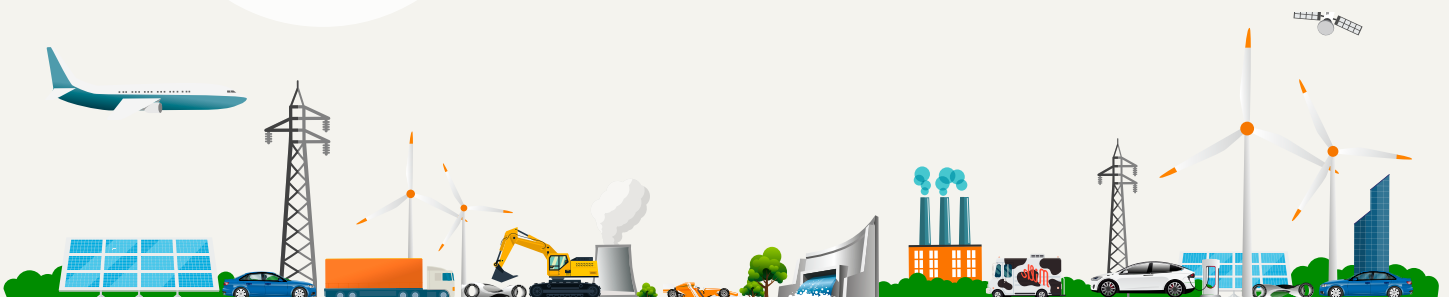
# The Future of Systems Modeling and Simulation Software



## Modelon Impact

Engineering Greatness

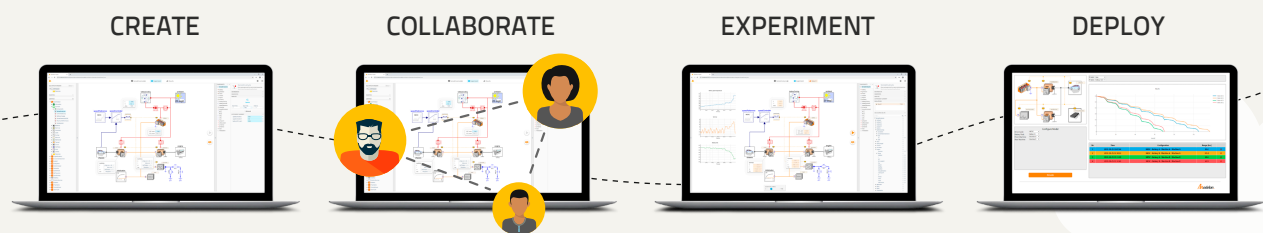
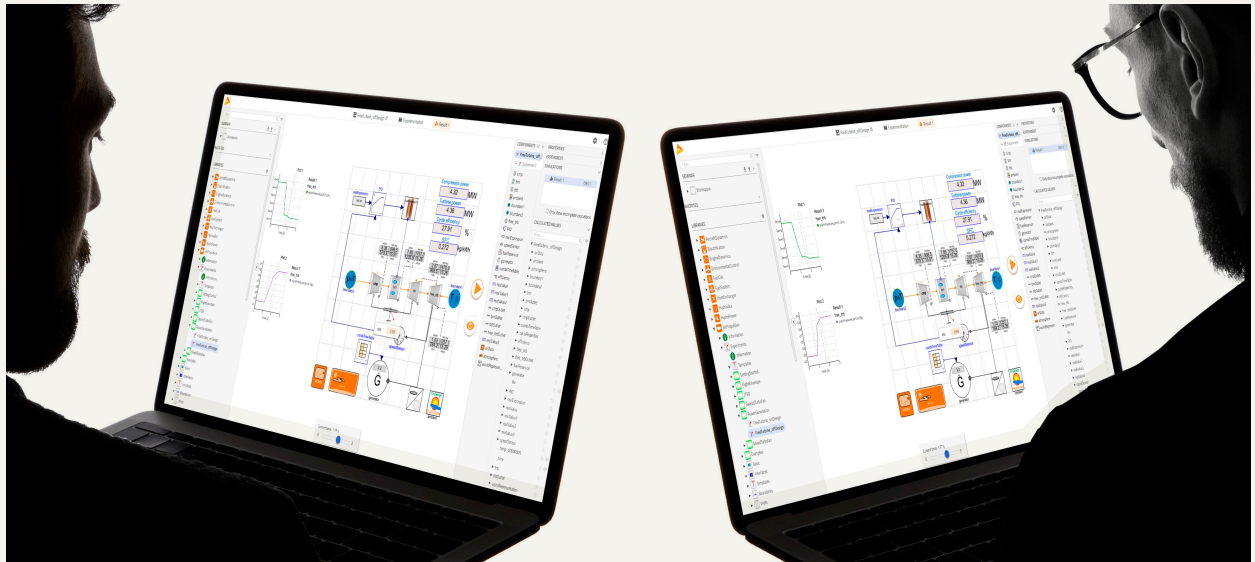
Cloud-native and accessible through your browser,  
Modelon Impact supports system simulation, optimization and  
analysis to enable engineering insight and decision making.



# A Comprehensive Platform Designed for Collaboration

Modelon Impact is a cloud-native system simulation software platform featuring a unique, easy-to-use web-based interface. Users can move through layers of sub-systems – building and analyzing singular or holistic systems. Modelon's mature and comprehensive physics-based libraries offer thousands of proven models and components spanning a broad range of industries and applications.


Using the public APIs, users can deploy models into analysis notebooks or customizable web applications – for all stakeholders to see, understand and engage. Users can streamline and automate the model building process for almost any engineering application – saving time and money. Get started directly from the box or build on it according to your unique needs!





## Key Features

- ✓ Import proprietary libraries, models and components – Modelica & FMI compliant
- ✓ Access and edit code using the built-in code editor
- ✓ Advanced solvers for steady-state and dynamic simulation
- ✓ Visualize your simulation using 3D animation
- ✓ Collaborate with your team using the browser-based interface.
- ✓ Deploy to custom web applications using public APIs

## Modelon Impact Hosting Configurations

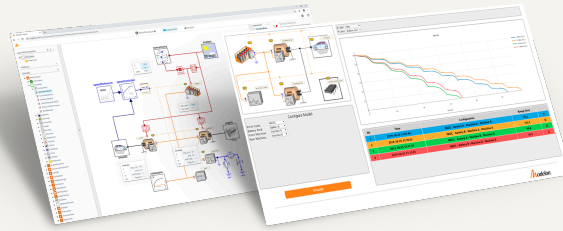
 **Desktop**  
Individual user license  
downloaded on PC

 **On-Premise Computing**  
Managed and hosted  
internally on local server

 **Cloud Computing**  
Managed and hosted on  
private or public cloud  
\*Available 2022

# For All Stakeholders To See, Understand and Engage

Using the public APIs – deploy your models into analysis notebooks or customizable web applications.



{ REST }

## Industry Applications for Industry Experts



### Automotive

Electrification  
Chassis and Suspension  
Battery Modeling  
Brake Systems  
Steady-State & Dynamic



### Aerospace

Thermal Management  
Secondary Power  
Landing Gear  
Power Plant  
Airframe



### Energy & Process

Power Plants  
Renewable Energy  
Energy Storage  
Electric Grids  
District Energy

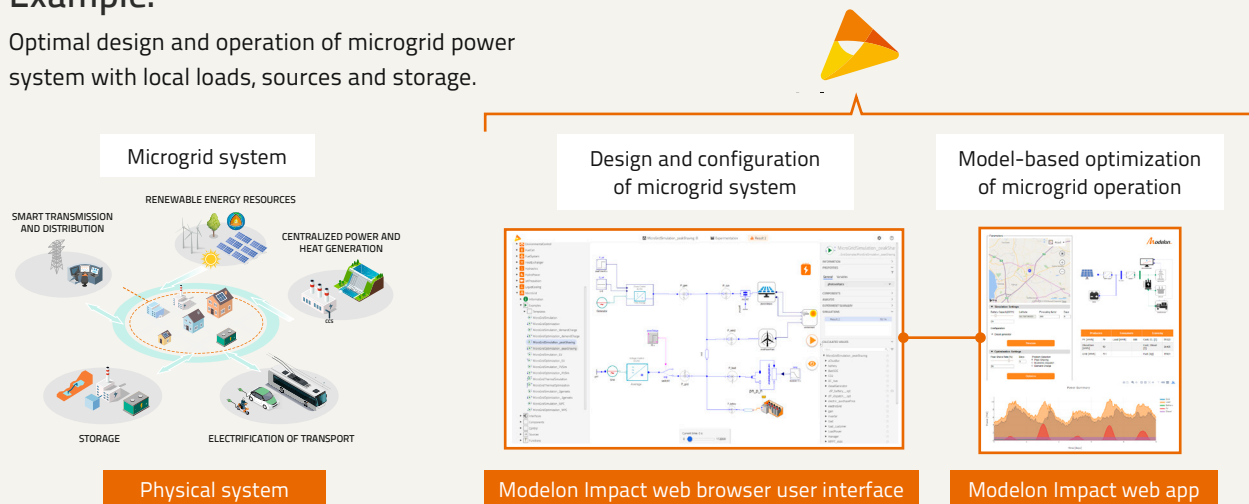


### Industrial

HVAC  
Commercial refrigeration  
Robotics  
Heavy Machinery  
Production Lines

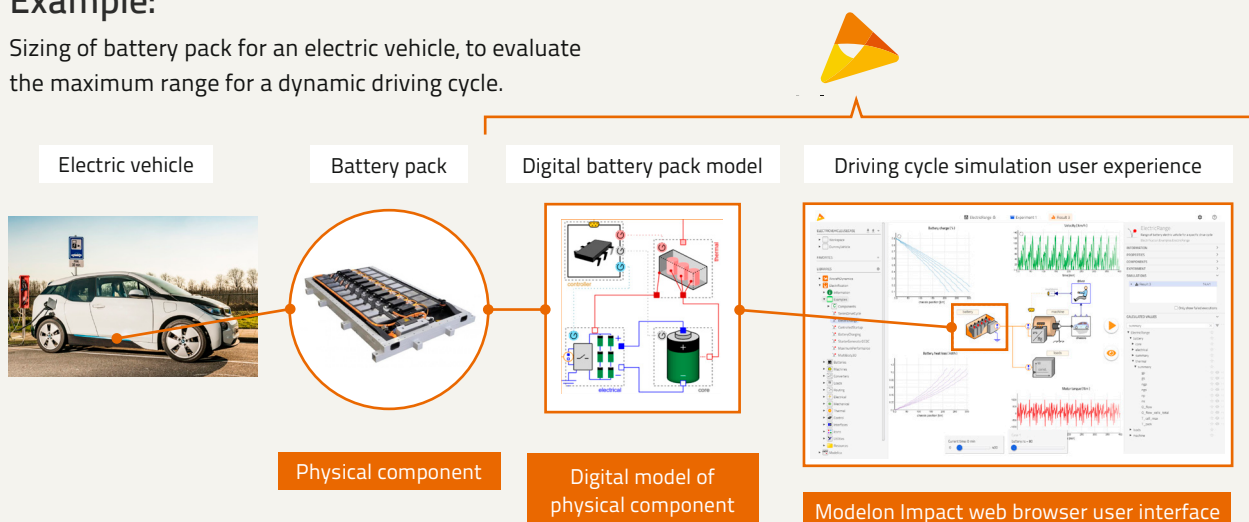
## Example:

Optimal design and operation of microgrid power system with local loads, sources and storage.



## Example:

Sizing of battery pack for an electric vehicle, to evaluate the maximum range for a dynamic driving cycle.





## Engineering Greatness

Modelon offers systems modeling and simulation software that accelerates product innovation, development, and operations in a range of industries. Headquartered in Lund, Sweden, and with global reach, Modelon is an expert industry leader in model-based systems engineering with a focus on leveraging open standard technologies.

Modelon's simulation software leverages open-standard technologies. These open-standard technologies, Modelica and Functional Mock-up Interface, offers users the flexibility to customize and adapt model components as well as share models efficiently and effectively throughout the product development cycle.



### Core Values



#### Innovation

With entrepreneurial spirit, we break new ground with simulations.



#### Openness

We have open minds, open hearts, and believe in open standards.



#### Engagement

With passion and grit, we solve challenging problems and empower our clients.



#### Collaboration

We value teamwork, our combined expertise yields world class results.

## We Are Committed to Your Success



### Training

Our standardized courses and custom training allow your full team to leverage the full power of Modelon Impact.



### Ongoing Consulting

Continue to evolve your processes and expand your options with consulting from experts in your domain.

[www.modelon.com](http://www.modelon.com)

