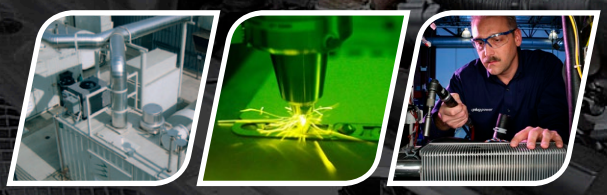
FUEL CELL LIBRARY



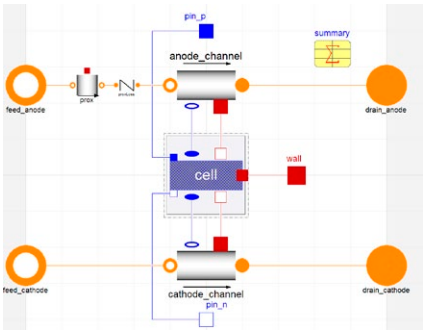
▸ Modeling and simulation of fuel cell components and systems for multiple purposes, such as design, transient behavior, validation, controls and real-time applications (HIL/SIL).

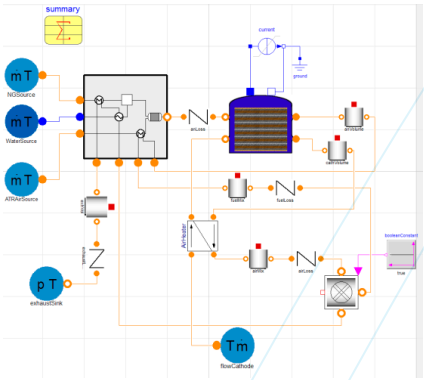
The Fuel Cell Library enables component and system design for many types of fuel cell systems. Fuel Cell Library contains 70+ drag-and-drop, generic components to model pre-reforming reactors, fuel cell stacks, and complete systems. Additionally, Fuel Cell Library features around 20+ predefined configurations to simulate Solid Oxide (SOFC) and Proton Exchange Membrane (PEMFC) fuel cells. Fuel Cell Library can also be used to generate real-time simulation models for use in HIL/SIL rigs.

Fuel Cell Library is well suited to represent dynamic behavior in fuel cell and corresponding control systems. The library contains all elements required for full system models such as stacks, reactors, burners, and other components. The models are based on mathematical descriptions of physical behavior.

KEY FEATURES

- SOFC and PEMFC in a single tool
- Easy to use in any fuel cell application domain
- Reactors for fuel pre-processing
- Handles reformate and other media





Modelon

Fuel Cell Library is developed and maintained by Modelon.
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