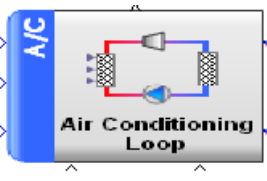





Sherpa HVAC

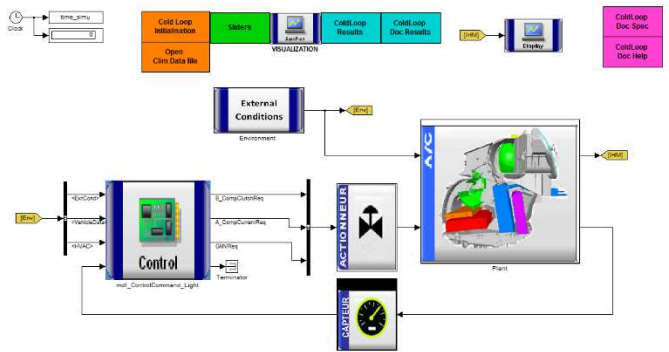
Air Conditioning Loop	HVAC	Cabin	Front End & Underhood	
				

The Sherpa HVAC library includes a set of components in thermal fluid domain allowing engineers to develop a model of air conditioning system:

Depending of the needs, the model takes into account the Cabin, the HVAC and the Front End and Underhood models.

It can be used in the fundamental processes for engineering HVAC system such as:

- Subsystems network design
- Design, tuning and analysis of the control system
- Development of optimized calibrations and tests verification
- Controller verification on a virtual bench test (Hardware In the Loop-HIL)

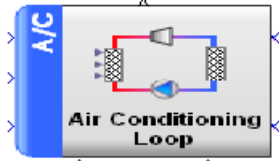


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HVAC System elements



Air conditioning loop

The function of the engine is to convert the thermodynamic energy into mechanical energy and to produce mechanical torque.



Model HVAC



Model Cabin



Front End & Underhood

[\[home\]](#)

Demos



Demos

Air conditioning System with its cabin and a simple control.