

## TIL Training:

### Introduction to the Modelica Library TIL

TLK-Thermo GmbH offers a one-day training course about the Modelica Library TIL.

The training course is directed toward simulation and modeling specialists with basic knowledge of the Modelica language. It can be seen as an advanced training to our two-day basic Modelica training.

TIL is an extensive Modelica Library for modeling complex stationary and transient thermodynamic systems. TIL provides numerous models of thermal and fluid technology components as well as transport phenomena, using the media property library TILMedia. Please find more information about TIL on [www.tlk-thermo.de](http://www.tlk-thermo.de).

The training course starts with testing existing component and system models, followed by building-up complex thermodynamic systems from existing component models (e.g. boundaries, tubes, heat exchanger and pumps). At the end, the course participants will write their own models for components and transport phenomena in order to extend the TIL library and adapt it to individual requirements.

The main learning objectives are:

- Modelling and design concepts of TIL, transfer into own libraries
- Advanced Modelica language techniques
- Usage and extension of TIL and TILMedia
- Improvement of problem solving competence

The course starts with an introduction to TIL at the end of the prior Modelica training, beginning at 4:30 pm and ending at 6:00 pm on the previous day. The TIL training continues on the following day, starting at 8:00 am and ending at 5:00 pm. It is recommended to arrive one day before, on the last day of the Modelica training, to attend the TIL introduction.

Participants are provided with notebooks prepared for the course with all course examples, necessary media data in TILMedia and the visualization tool DaVE for state charts. In addition, course documentation is distributed as a supplement to written notes.

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#### Contact.

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TIL Training Description

The price of the training is € 550,-. University employees and PhD students can enquire about a reduction. In addition to course documentation and the above mentioned software, lunch as well as drinks and snacks during breaks are included.

We flexibly respond to your particular needs, and can answer your training course related questions by phone or e-mail, both before and after the training.

Please do not hesitate to contact us if you require further information about the training topics.



With best regards,  
Sven Försterling

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**Contact.**

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