INTERFACE TO TIL MEDIA SUITE (TLK-THERMO GMBH)

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Name of lecturer, institute, date

DLR
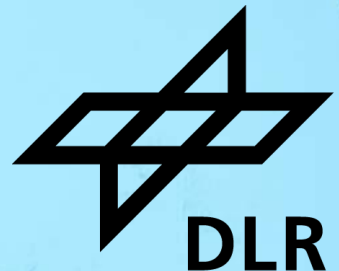
TILMedia Interface for Thermofluid Stream Library

- Enables usage of media models from TILMedia Suite
  - Only provides interface
  - ➢ TILMedia Suite license is necessary!

- Supports only VLE (**V**apour-**L**iquid **E**quilibrium) fluids (so far)

- Media models from other libraries also available:
  - Refprop
  - Coolprop
  - VDI Heat Atlas

- Initial set of media models is represented
  - ➢ custom VLEFluid substances can easily be added!
  - ➢ **Step-by step guidline** provided in User's Guide

Overview of substances

VLEFluid Substances

- TLK Implementation - "TILMedia": 81 mediums

- TLK Implementation - "TILMediaRT": 6 mediums

- TLK Implementation - "TILMediaXTR": 12 mediums

- External library CoolProp - "CoolProp": 123 mediums

- External library Refprop - "Refprop": 279 mediums

- VDI Heat Atlas - "VDIWA2006": 275 mediums