

Summary

- Simulation tools can save costs, if used in early phase
- V-Approach offers a reliable procedure for efficient application of simulation tools
- The simulation results show a high quality in comparison with measurements
 - o heat exchangers: deviation to measurement $< 5\%$
 - o refrigerant cycle: deviation to measurement $< 5\%$
- Reliable simulation tools are already available
- Simulations can be used for design and optimization