

The purpose of KULI-calculation

- **Rapid estimates**

Consequence studies for component change in a given cooling system.
Showing trends may be sufficient. Absolute values not always necessary.
Time required for calculation 1 to 2 days.

Ranking of cooling systems in the concept phase.

- **More precise calculations**

Aids CFD-calculation for plausibility check of calculation results.

Conditions appropriate for KULI-calculations

- **Geometry changes to the heat exchanger**
Component testing
Analysis
- **Liquid balance of the coolant**
Liquid balance testing
Analysis, e.g. FLOWMASTER, SIMULINK
- **Cooling requirements**
Cooling performance testing
Approximation based on experience
- **Cooling air flow distribution over heat exchanger**
Cooling performance testing
CFD-calculations
Judgements based on experience

The advantages of KULI

- Easy to use
- Rapid calculations
- Can be run on a PC