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# Solar Thermal Value Chain and Cost Reduction Potential

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**TASK 54**

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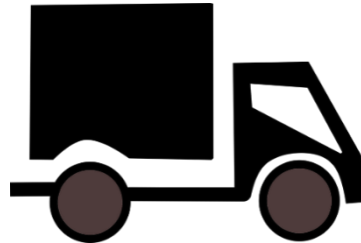
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# General information

## Focus of presentation

- Overview about solar thermal value chain influencing the levelised cost of heat LCoH
- Showing ingoing effort and outcome of each step in the solar thermal value chain
- Showing potential measures which can be applied to reduce LCoH for each step of the value chain

# Solar Thermal Value Chain



1. Architect,  
Planner,  
Energy  
Consultant

2. Production

3. Distribution

4. Installation

5. Installed  
System

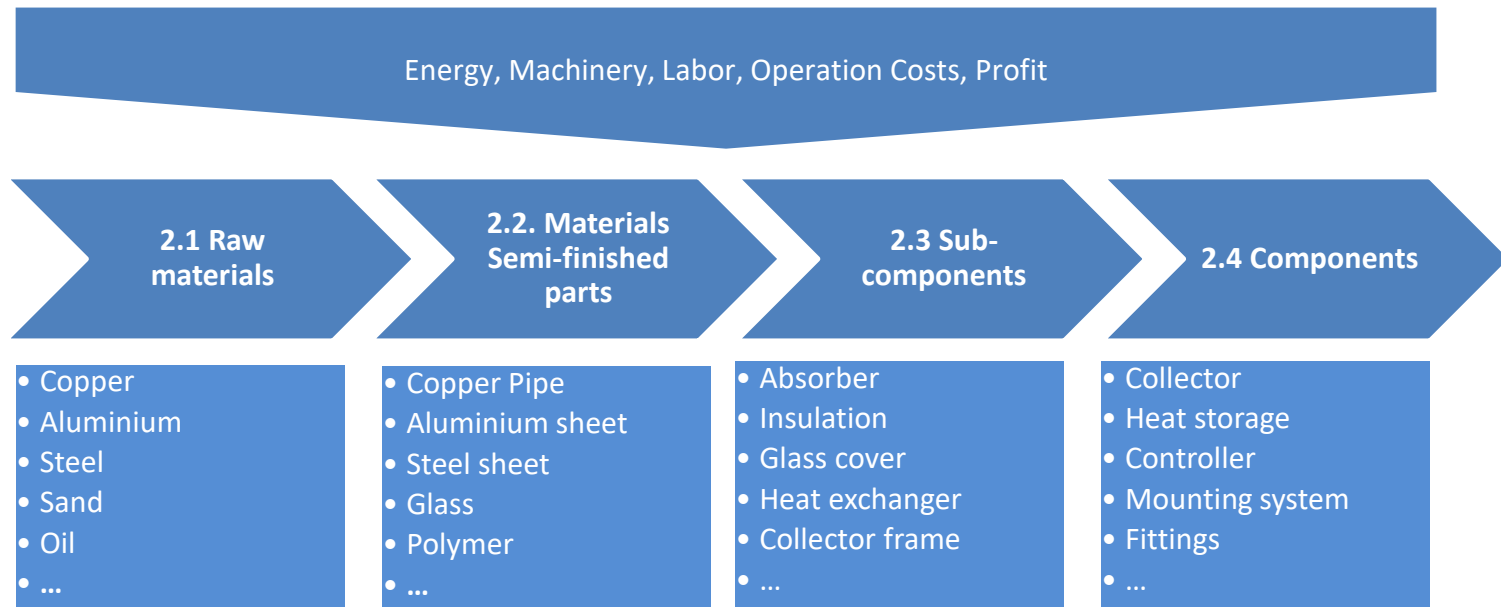
6. Operation  
and  
Maintenance

7. Cost of kWh  
solar (LCoHs)



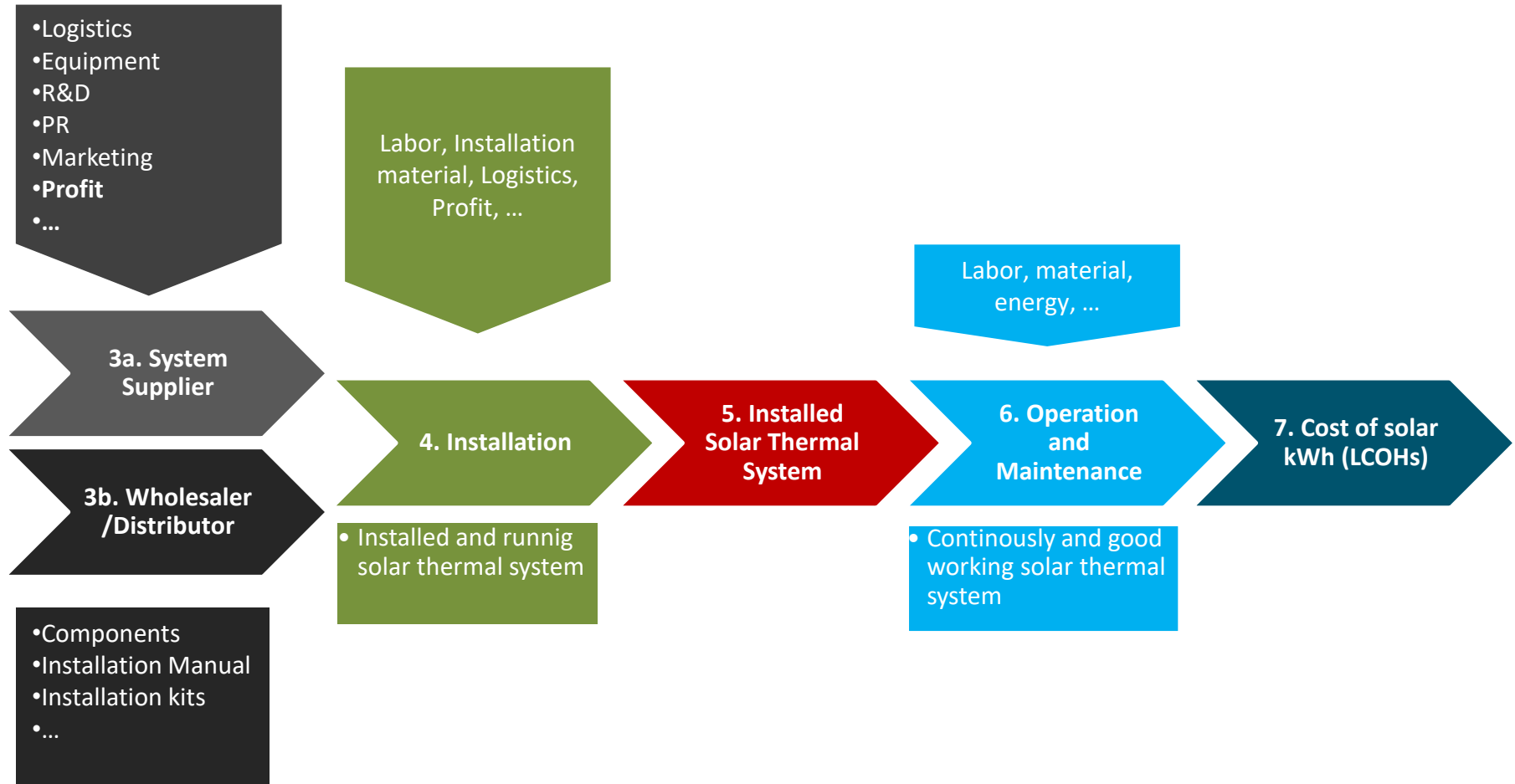
# Solar Thermal Value Chain

## Production



# Solar Thermal Value Chain

## Distribution – Installation – Operation and Maintenance



# Potentials within the value chain

- **Materials**
  - use of different materials, system designs
- **Production costs**
  - different materials, process cost optimisation, standardisation, economy of scales
- **Installation**
  - reduction of stagnation temperature, process cost optimisation, standardisation
- **Operation & Maintenance**
  - reduction of stagnation temperature, standardisation
- **Service life time**
  - reduction of stagnation temperature, standardisation

# Thank you for your attention!

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