



University of Stuttgart

Institute for Building Energetics, Thermotechnology and Energy Storage (IGTE)



Claudia
Scholl-Haaf

IEA SHC Task 66
“Solar Energy Buildings”

Short personal introduction in the context of task66

IEA SHCTask 66 2. Meeting
online, 04.-05.11.21



- Studies in business administration at University of Bayreuth
- since 2008 at Uni Stuttgart, first at TZS/ITW, from 2018 on at IGTE / team: “Smart city concepts and building automation” of Harald Drück

Current work activities

- Marketing concepts for solar thermal systems, economic calculations, project management
- ongoing: assistant activities for Harald Drück
- Work within the project "IntegraTE" (PVT +brine-water heat pumps)
- Work within the project "StoEx2" (large-volume, low-cost hot-water stores for outside)
-Manager of the IEA SHC Task 66 Solar Energy Buildings ☺

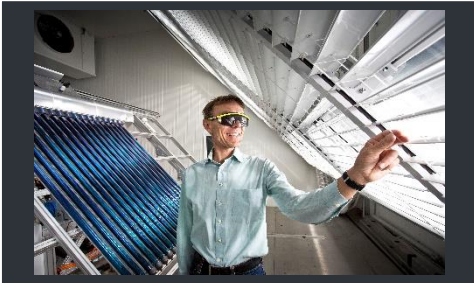


Institute for Building Energetics, Thermotechnology and Energy Storage (IGTE)

Founded 6/2018 from ITW + 2 other institutes) - Fields of activities (selection)



Solartechnology



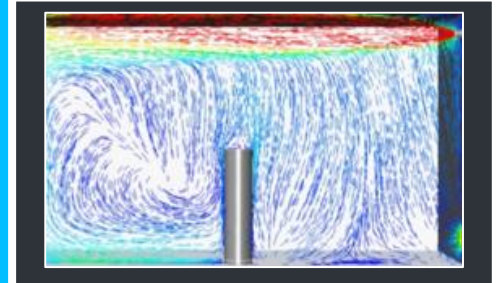
Thermal Energy Storage



Innovative Smart City Concepts



Energy Efficiency



Testing and Inspections



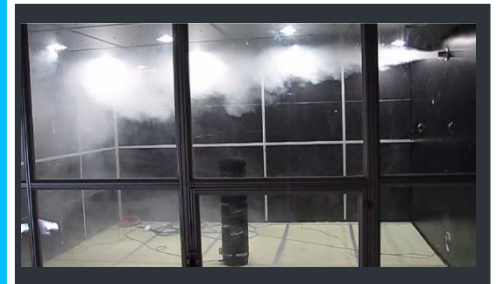
Solar and Energy Efficient Buildings



Heat Transfer and Refrigeration Engineering



Indoor Climate Technology



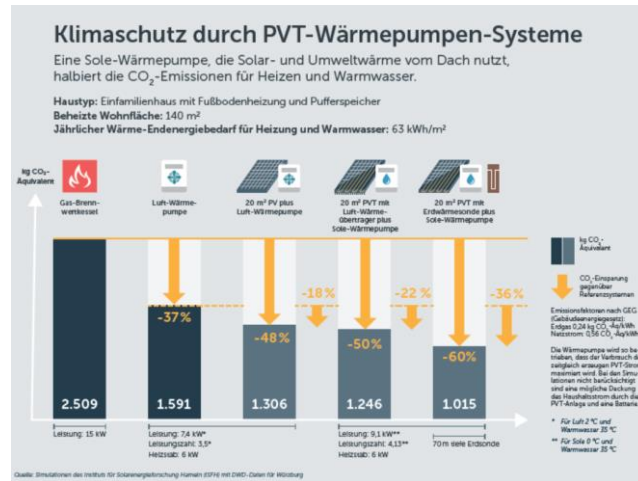
Personal research activities (1)

Projekt IntegraTE (PVT + Heat Pump)

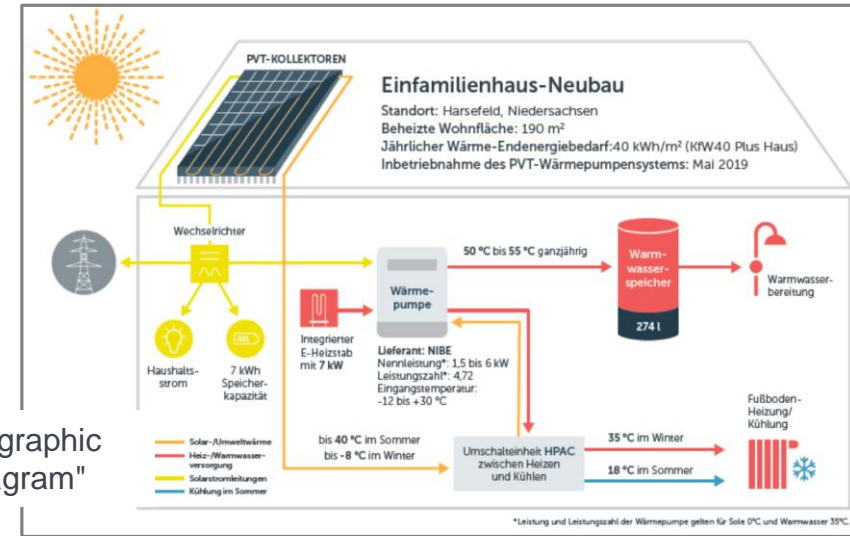


IntegraTE = Initiative for the dissemination of PVT solar collectors and heat pumps in the building sector → increased market penetration

- Identification of PVT building energy supply systems available on the market.
- Market survey of the total number of PVT collector systems



Example infographic "hydraulic diagram"



- Development of standardized key performance indicators (KPIs)
- Creation of an evaluation tool
- Measurement, evaluation and optimization of existing PVT heat pump systems in single and multi-family houses in field studies
- Conception and implementation of marketing measures

StoEx2

= development, testing and demonstration of large-volume, low-cost hot-water stores with highly efficient thermal insulation for outdoor application

work package “architectonic integration” :

For these storages, options for an architectural integration as well as adaption concepts for other applications shall be developed.





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