

Fostering sustainable heat in industry

-

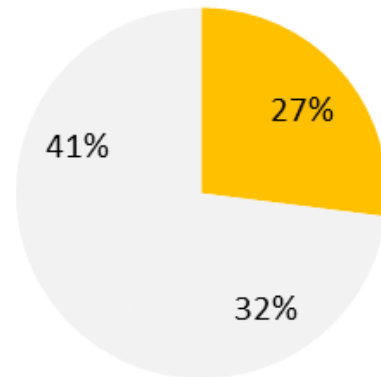
Key challenges and opportunities for solar process steam

Bonn, 05.09.2018
Martin Haagen
Business Development MENA

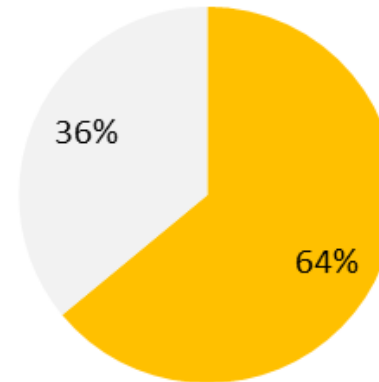
INNOVATION WEEK 2018

solutions for a renewable-powered future

Industrial Process Heat



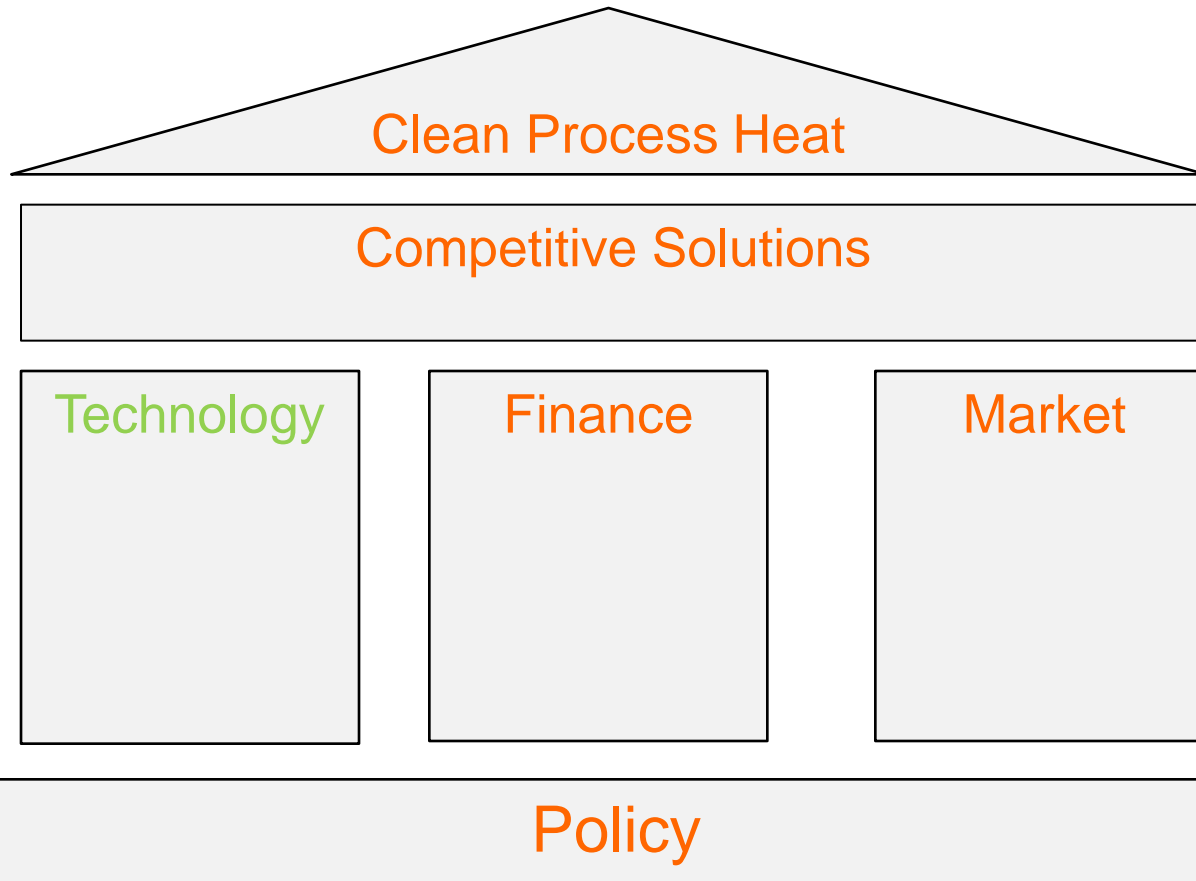
■ Industry



■ Process heat

- Large capacities and “constant” loads
- Diverse and specific technical requirements
- Generated and consumed on site
- Low data availability on micro and macro level

Challenges for Clean Process Heat



Example of Solar Process Steam

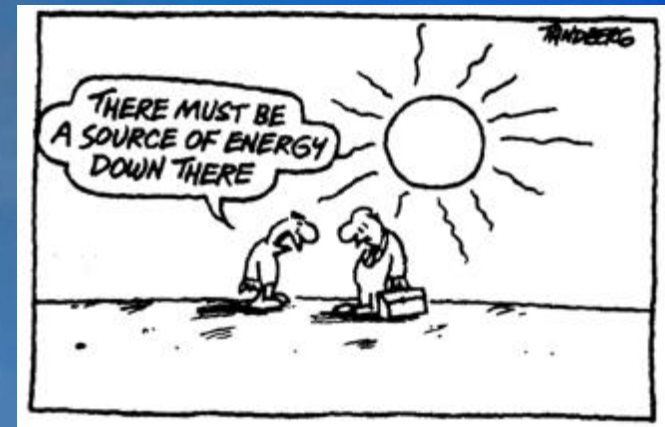


- Solar process steam generation – commercial operation > 3 years
- Applicable for food, textile, chemical, automotive, pharma, ...
- Only one example for clean process heat – besides others

Summary

- Industry is biggest heat consumer but challenging market
- Strong industrial growth but mainly in Non-OECD markets
- Industrial process heat has a market and finance challenge
- Industrial process heat needs much more specific attention
- Sector coupling biased towards power
- Solutions available but uptake delayed due to market

Thank you for your attention!



www.industrial-solar.de
info@industrial-solar.de