Fostering sustainable heat in industry

- Key challenges and opportunities for solar process steam

Bonn, 05.09.2018
Martin Haagen
Business Development MENA
Industrial 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

Competitive Solutions

Technology  Finance  Market

Policy
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