



**INSHIP**

EUROPEAN COMMON  
RESEARCH AND INNOVATION AGENDA



Horizon 2020  
European Union funding  
for Research & Innovation



# Fraunhofer ISE Presentation



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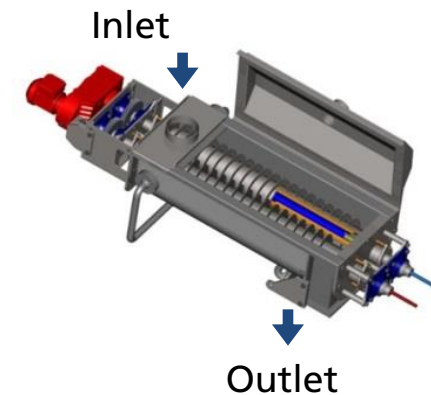
<b>Institution</b>	Fraunhofer Institute for Solar Energy Systems ISE
<b>Short name</b>	Fraunhofer
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### **Mission Statement:**

Fraunhofer ISE conducts intensive work into evaluating and optimizing solar system, control and integration concepts for promising industries or processes. Our many years of experience with low and high-temperature solar thermal systems and with solar thermal sea water desalination plants comes to the fore here.

## SHIP Competencies:

- Process heat collectors
- Solar process heat systems
- Development of process heat collectors
- Medium and high temperature TES
- System development and optimization
- Industry concepts and planning advice
- Studies and trainings



## SHIP Research Infrastructure:



- test stand for small power engines under dynamic input of heat used for including small TES testing and heat transfer investigations
- Accredited lab for low and medium temperature solar collector testing
- Molten salt characterization
- dynamical simulation of all components and system of a solar loop to optimize operational procedures
- Deflectometry based optical characterization of solar concentrators



## Participation in INSHIP:

**Work package involvement:**

WP 1, WP 2, WP 3, WP 4,  
WP 5, WP 6, WP 8

**Person months (national + EC):**

81, 6

## **Objectives:**

As coordinator of INSHIP Fraunhofer is responsible for the timely and contractual implementation of the project. It will monitor the project progress and ensure a seamless flow of information between the European Commission, the project partners and associated boards and committees. In addition, it is involved in all R&D workpackages and those dealing with the coordination of national research efforts in the field of SHIP.