

WHAT IS SHIP2FAIR?

THE PROJECT

SHIP2FAIR is a project developed by 15 partners from all over Europe and with the support of the European Commission.

SHIP2FAIR stands for Solar Heat for Industrial Process (SHIP) towards Food and Agro Industries commitment in Renewables (FAIR).

MAIN GOAL

The project aims to foster the integration of solar heat in industrial processes of the agro-food industry, which is the largest manufacturing sector and the leading employer in the EU.

With this purpose, SHIP2FAIR will develop and demonstrate, in at least four real industrial sites (demo-sites), a set of tools and methods to manage the whole life-cycle of integration of solar heat in industrial processes.

TIMELINE

2018

- SHIP2FAIR's kick off
- Replication & Control Tools development

2020

- Demonstration campaign at demo-sites
- Tools ready
- Training campaigns start

2022 PROJECT ENDS

- Scale-up & replication in demo-sites
- Identification of barriers & countermeasures
- Feasibility studies in 10 additional sites

2023

- SHIP2FAIR results ready to market
- Promotion of the SHIP2FAIR results in the identified EU markets
- Application of business strategy & SHIP2FAIR tools to other industries
- Beyond SHIP2FAIR: Ground ready for implementing 100 SHIP projects

2025

2027

DEMO-SITES & TOOLS

FLAGSHIP PROJECTS



Sugar boiling
RAR Açúcar
Porto, Portugal



Foie gras manufacturing
Larnaudie
Figeac, France



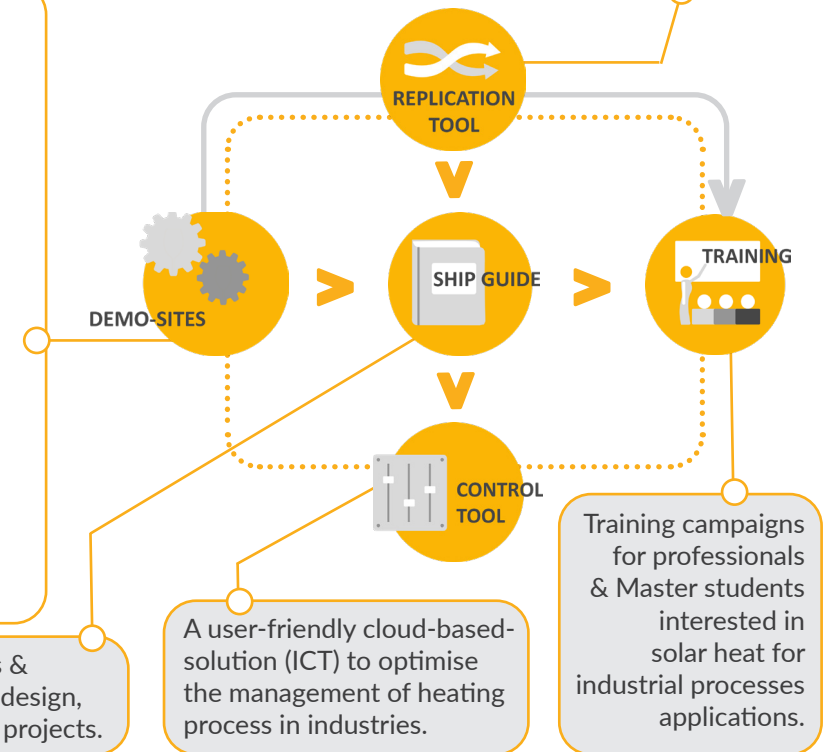
Spirits distillation
Martini & Rossi
Pessione, Italy



Wine making process
Bodegas RODA
La Rioja, Spain

A manual to use the tools. It gathers results & tailored tips to support stakeholders in the design, commissioning and operation of their SHIP projects.

A software which is being created to support the concept design of SHIP projects & the development of techno-economic feasibility studies. Easily accessible by users, such as industrial plants' owners, this tool aims to replace the use of fossil fuels by a renewable-energy-solution.



A user-friendly cloud-based-solution (ICT) to optimise the management of heating process in industries.

Training campaigns for professionals & Master students interested in solar heat for industrial processes applications.

THE WINNING FORMULA

RENEWABLE ENERGY INTEGRATION

Cover up to 40% of the heat demand from processes of the agro-food industry by solar energy.

MARKET UPTAKE

Design simple solutions, easy to install and operate also by SMEs thanks to tailored financial schemes, business models & training.

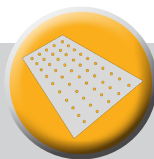
NEW BUSINESS LINES

Ensure the cost-effectiveness of investment in solar heat integration into industrial processes thanks to:

- Competitive solar thermal technologies
- Optimal heat integration
- Tailored control strategies

SOLAR THERMAL TECHNOLOGIES

High Vacuum technology



Linear Fresnel technology



Flat plate technology



THE TEAM

Coordination



Demo-sites hosts & agro-food experts



Solar thermal technologies providers



Research & Innovation



Dissemination & training



CONTACT US



info@ship2fair-h2020.eu



@SHIP2FAIR #SHIP2FAIR



ship2fair-h2020



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 792276.



SHIP2FAIR

Unveiling the untapped potential of Solar Heat for Industrial Process in the EU

www.ship2fair-h2020.eu

