



AEE INTEC Presentation

Christoph Brunner
c.brunner@aee.at

Institution	AEE – Institute for Sustainable Technologies
Short name	AEE INTEC
Name of representative	DI Christoph Brunner
Contact details	c.brunner@aee.at + 43 31 12-5886-470

Mission Statement:

AEE INTEC has a long history of expertise on solar process heat for industrial processes. AEE INTEC has been coordinator of the IEA TASK 33 “Solar heat for industrial processes” and of IEA Task 49/IV SOLAR PROCESS HEAT FOR PRODUCTION AND ADVANCED APPLICATIONS. During those tasks and a number of national projects, the methodology for implementation of large solar thermal systems in industrial processes has been developed and demonstrated in various industry projects.

SHIP Competences:

- Processintegration: Energy and resource efficiency for industry
- Tools and guidelines for integrating solar heat into industrial processes
- Hybride RES supply for industry
- Pinch analysis
- Performing case studies and development of concepts for industrial companies
- Solar collector testing
- Membran distillation
- Process optimization / processintensification





SHIP Research Infrastructure:

- Software tools (T-SOL, Polysun, T-SOL, TRNSYS,..)
- Laboratory for
 - collector tests
 - storage prototype testing
 - Membran distillation
- Monitoring equipment for components and systems
- water laboratory for chemical analysis.

Participation in INSHIP:

Work package involvement:

WP 2, WP 3, WP 4,
WP 5 (WPL), WP 6,
WP7, WP 8

Person months (national + EC):

50,1

Objectives:

AEE INTEC is leader of work package 5 „Hybrid energy systems and emerging process technologies“. Overall objective is the development of innovative 100% renewable energy supply solutions for industry with solar process heat as a core energy supply technology.