



# Cranfield University Presentation

Christopher Sansom  
c.l.sansom@cranfield.ac.uk



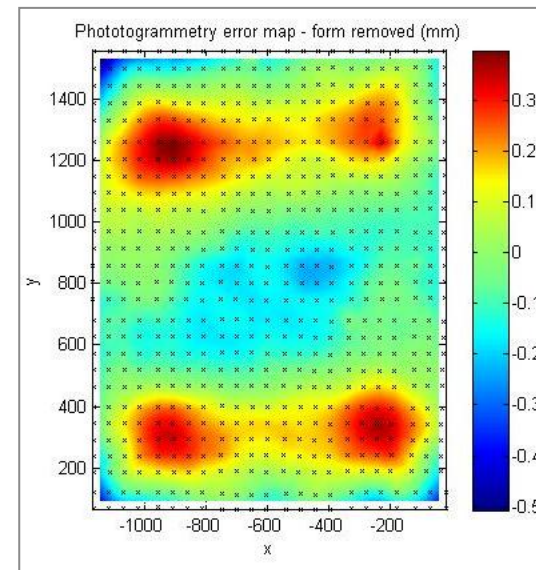
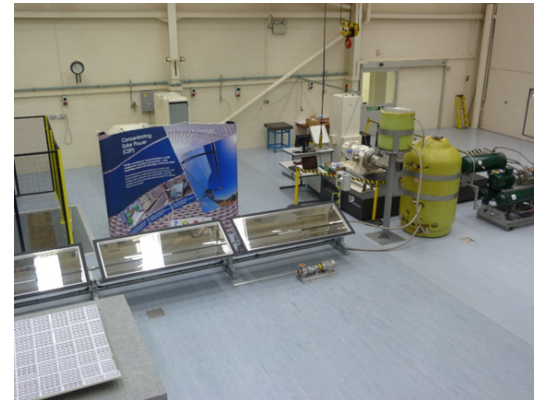
<b>Institution</b>	Cranfield University
<b>Short name</b>	Cranfield
<b>Name of representative</b>	Dr Chris Sansom
<b>Contact details</b>	c.l.sansom@cranfield.ac.uk +44 1234 752955

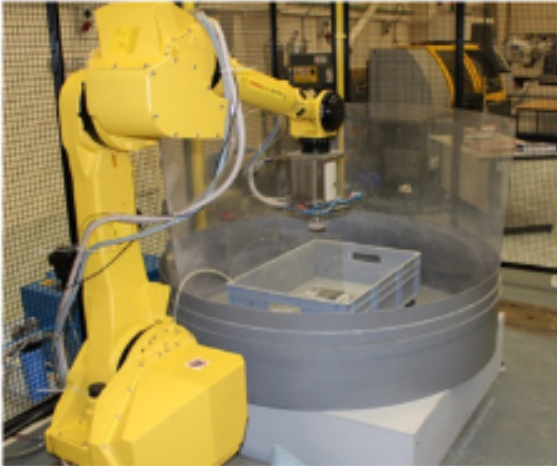
### Mission Statement:

Cranfield University carries out research, development, design, and prototype manufacturing of components and sub-systems for small and medium scale concentrating solar industrial heat projects. Our partners and clients include UK, EU, and international organisations.

## SHIP Competences:

- Small scale concentrating mirrors
- Collector characterisation
- Collector durability assessment
- Solar process heat
- Thermal storage
- System design and manufacture
- Industrial scale processes
- Industrial scale facilities
- Education and training





## SHIP Research Infrastructure:

- Temperature controlled workshops
- Test and assessment laboratories
- Class 100 cleanroom modules
- Design and 3D prototype printing
- Large scale metrology
- Durability and ageing test labs
- Optical machining workshops
- Thermal power test facilities
- Thermal storage chambers
- Materials analysis techniques
- Manufacturing simulation
- Range of wind tunnels

## Participation in INSHIP:

**Work package involvement:**

WP 8

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

3 +

**Objectives: WP8 Advanced networking activities**

- SHIP stakeholder
- Networking role
- UK national representative