

European Cooperation in the field of Scientific and Technical Research



Building Integration of Solar Thermal Systems - TU1205 - BISTS

## **Building Integration of Solar** Thermal Systems (BISTS): **Case Studies**

**Dr Mervyn Smyth** 



COST is supported by the EU RTD Framework Programme

ESF provides the COST Office



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Building Integration of Solar Thermal Systems – TU1205 – BISTS

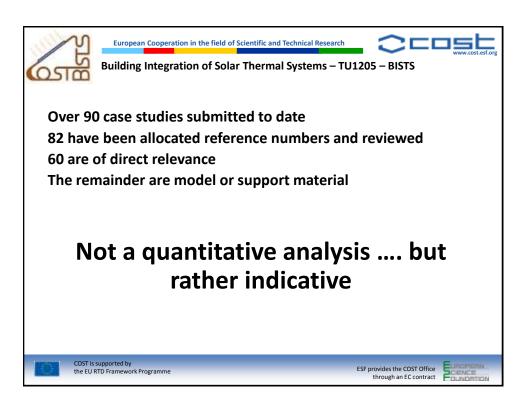
A solar thermal system is considered to be building integrated, if for a building component this is a prerequisite for the integrity of the building's functionality.

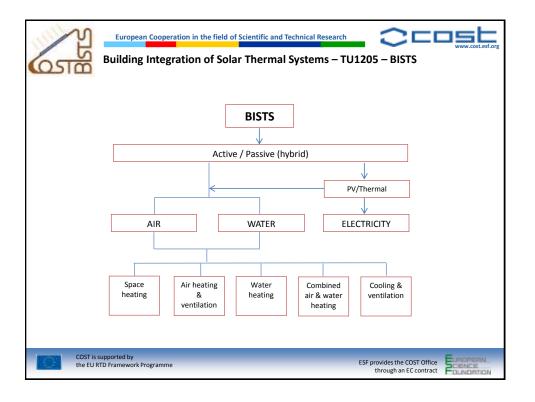


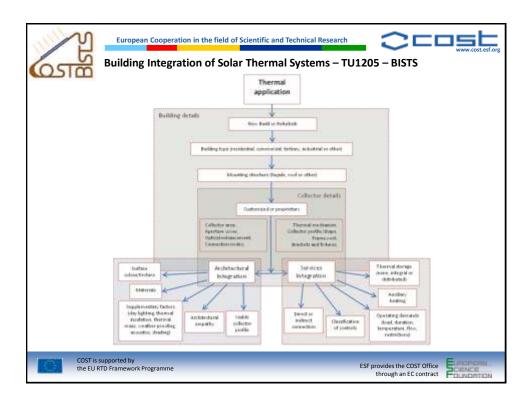


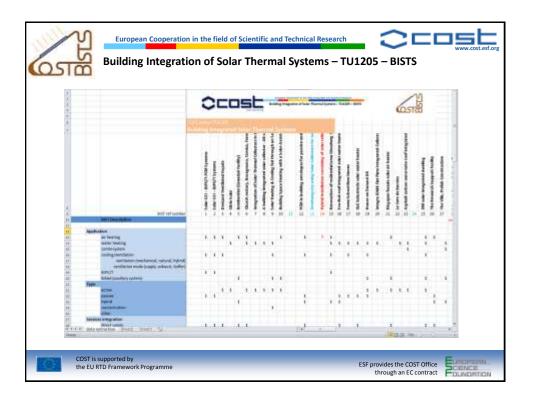
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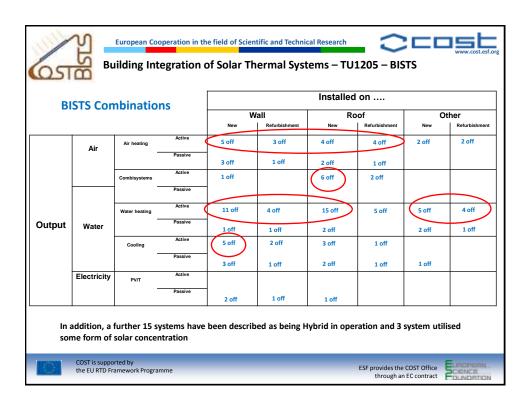
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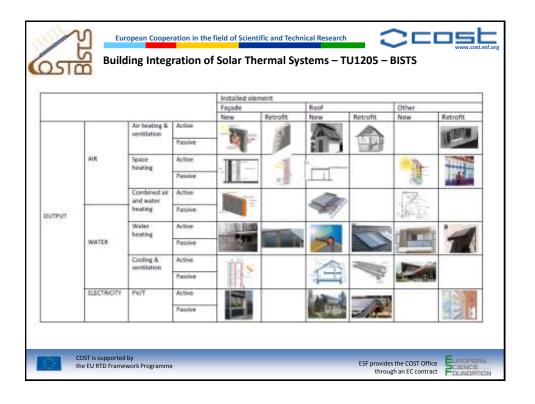


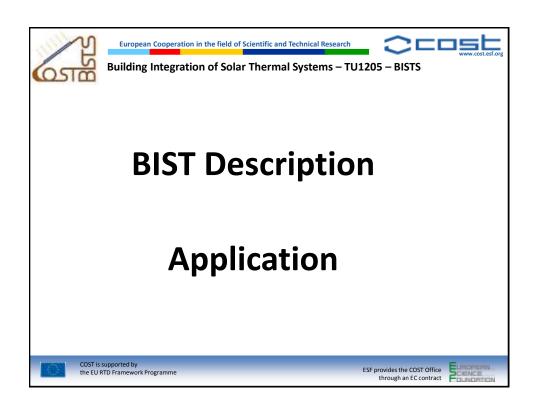


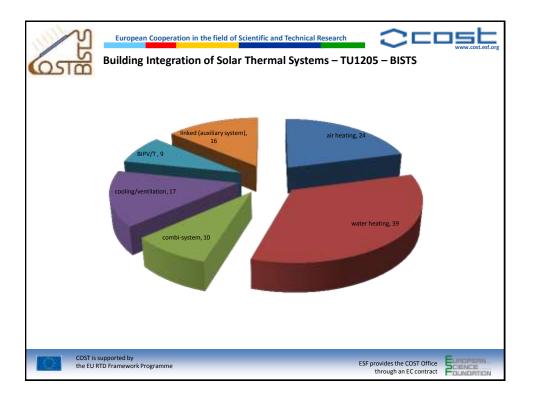


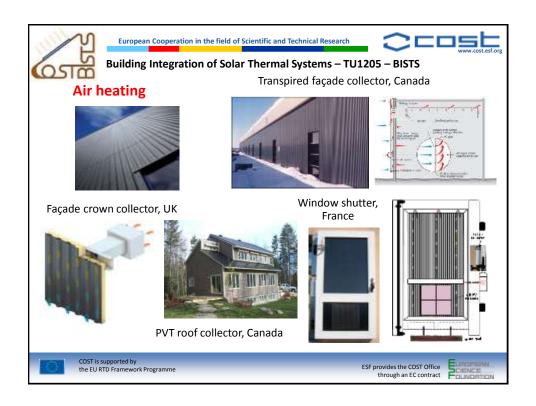






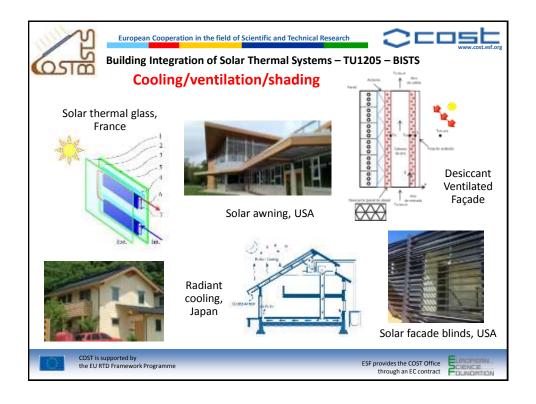


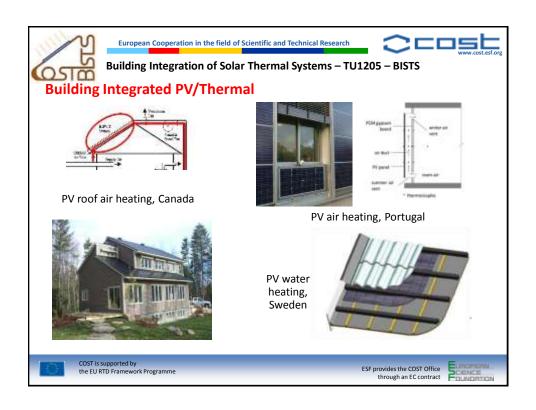


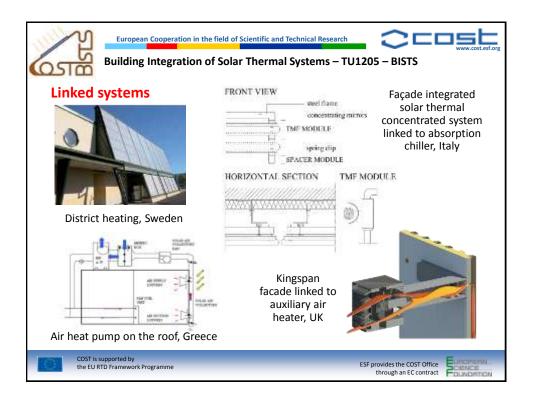


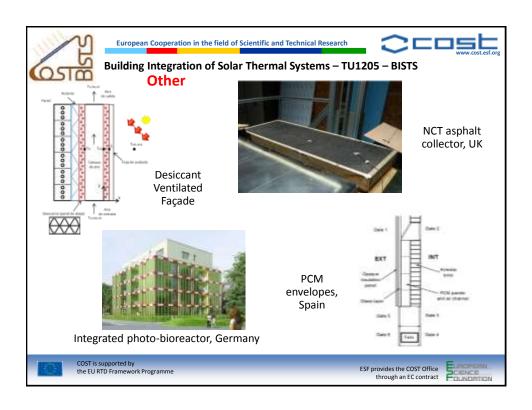


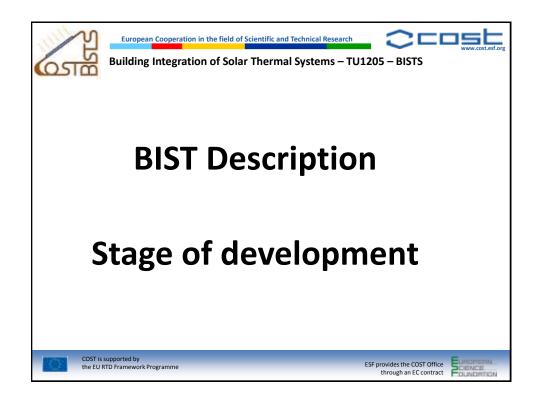


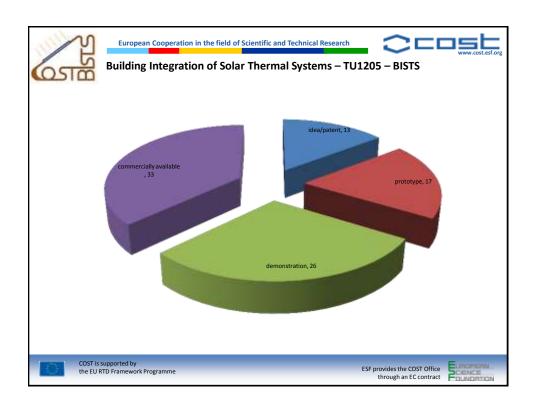


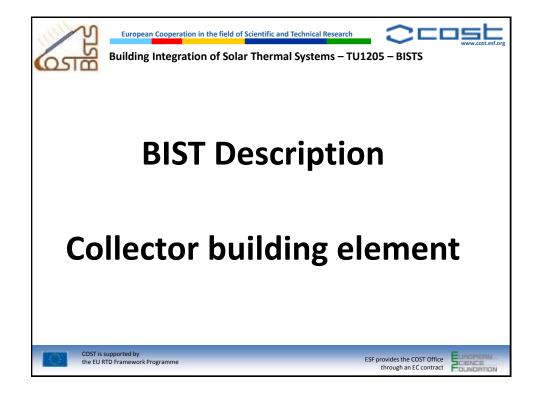


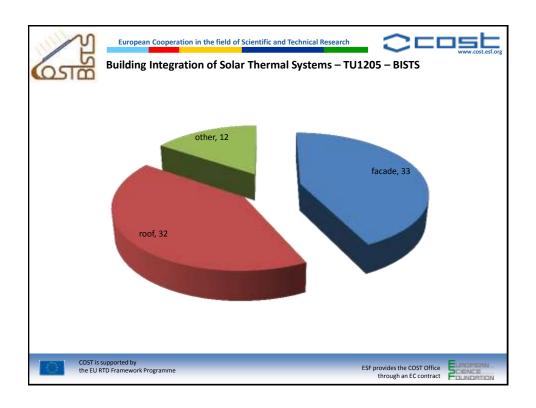




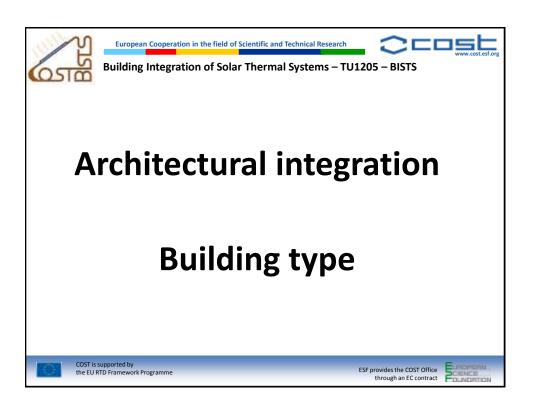


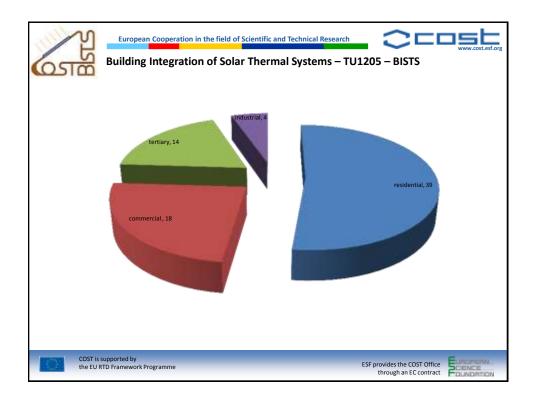


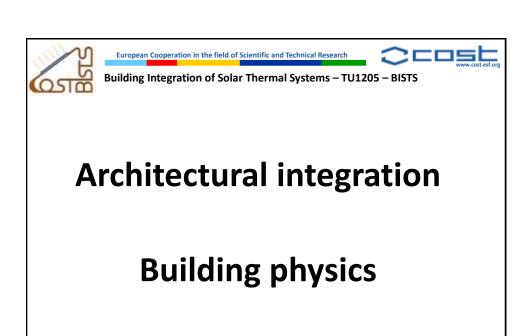








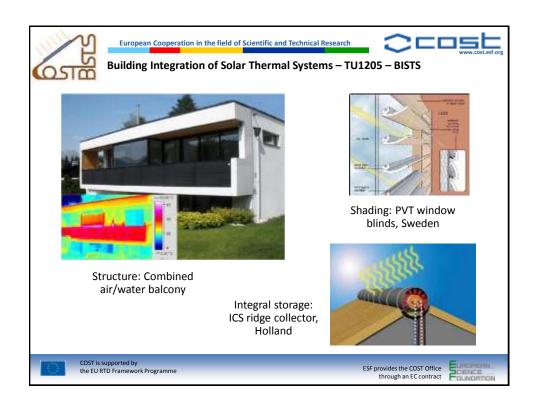


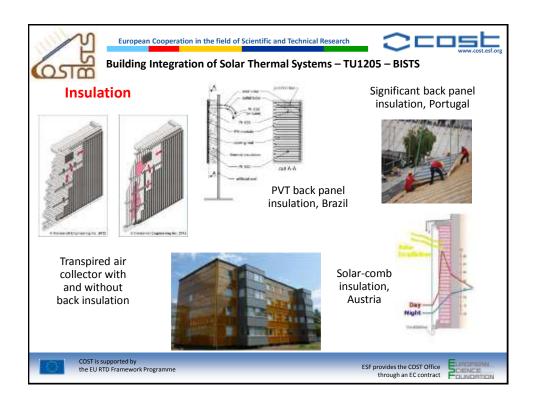


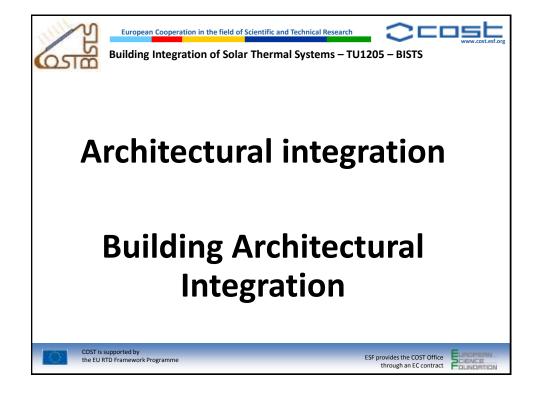
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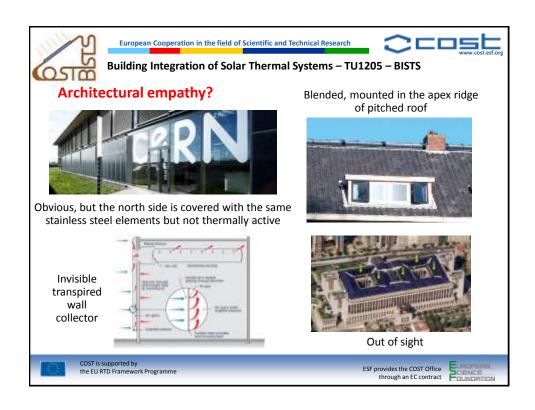
ESF provides the COST Office

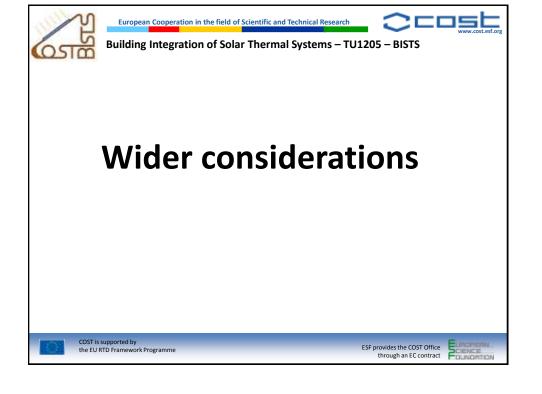
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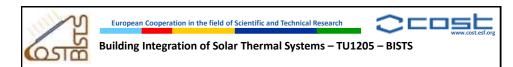










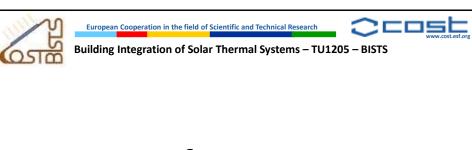


## Areas of obvious technological development and deployment

## Minimal work published in

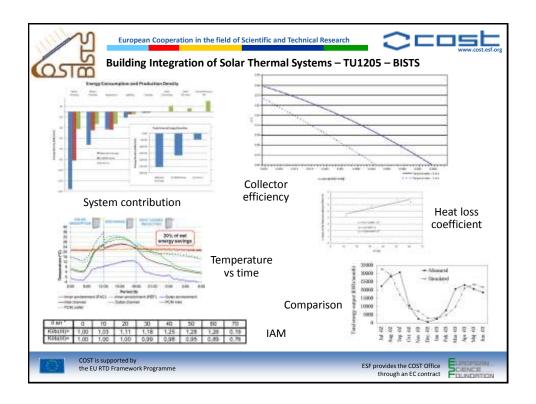
- Economics....some on capital costs and running costs, nothing on payback and maintenance
- Some on embodied energy, nothing on sustainable materials, environmental impact, fire safety
- Some on project motivation, nothing on social impact or legislation

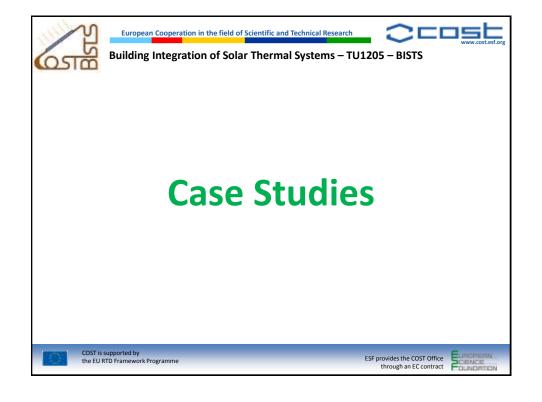


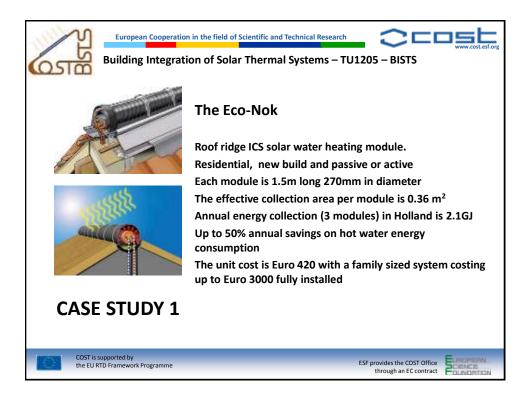


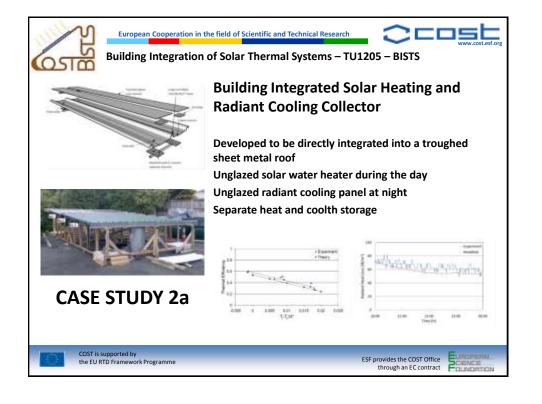
## **Performance**

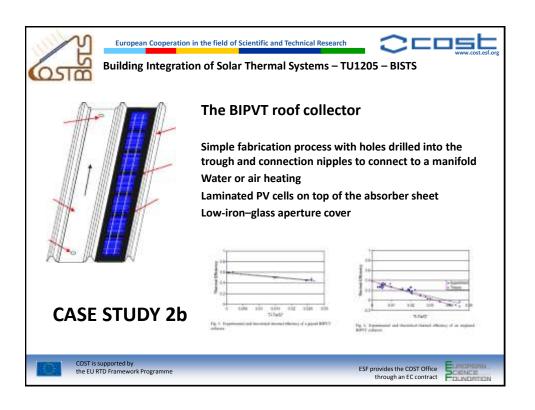


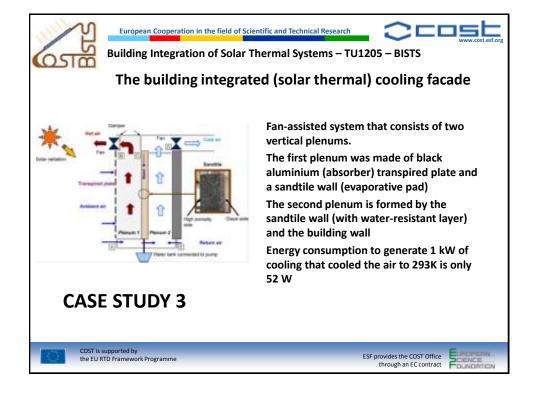


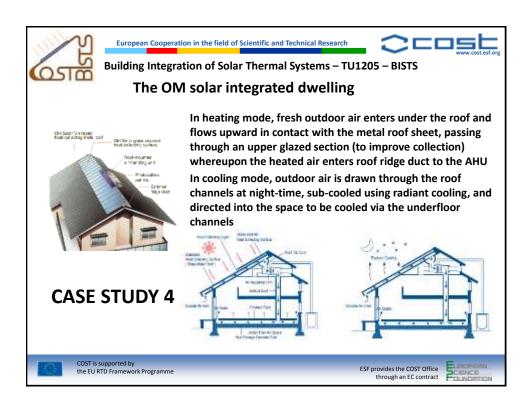


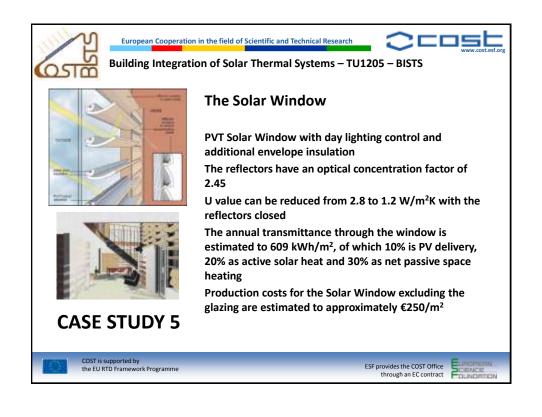


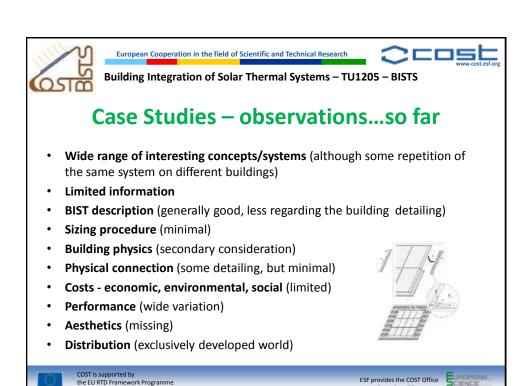












through an EC contract

