



FP7-ENERGY-2013-1

Research and development of innovative solar thermal facades

FLUIDGLASS

Solar Thermal Glass Facades with Adjustable Transparency

Start date of Project: 01/09/2013

Duration: 48 months

Deliverable: D1.4

**Product specification of the collector,
for fixed shading and for adjustable transmission collectors**

Due date of deliverable: 31/12/2013

Actual submission date: 10/03/2014

Responsible WP: WP1, GX

Revision: v1.5

Dissemination level		
PU	Public	X
PP	Restricted to other program participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (excluding the Commission Services)	

AUTHOR

Author	Institution	Contact (e-mail, phone)
Stefan Bertsch	NTB	stefan.bertsch@ntb.ch
Gabriel Feichter	NTB	gabriel.feichter@ntb.ch
Andres Heldstab	NTB	andres.heldstab@ntb.ch
Fabienne Riche	NTB	fabienne.riche@ntb.ch

DOCUMENT CONTROL

Document version	Date	Change
1.0	28.11.2013	
1.3	12.12.2013	
1.4	03.03.2014	
1.5	07.03.2014	

VALIDATION

Reviewers		Validation date
Work Package Leader	Simon Felsenstein	07.03.2014
Project Manager	Václav Smítka	10.03.2014
Coordinator	Daniel Gstöhl	10.03.2014

DOCUMENT DATA

Keywords	Collector specifications
Point of Contact	Name: Stefan Bertsch Partner: Interstaatliche Hochschule für Technik Buchs NTB Address: Werdenbergstrasse 4 Phone: +41 81 755 3469 E-mail: stefan.bertsch@ntb.ch

DISTRIBUTION LIST

Date	Issue	Recipients
28.11.2013	1.0	GX, Hoval, MGT, UniLi, Ines
13.12.2013	1.3	All (on server)
06.03.2014	1.4, 1.5	All (on server)

Executive Summary

The collector specifications were determined for three configurations with fixed transmittance and for one configuration with adjustable transmittance. The different configurations and the technical specifications for the collector are listed in two tables. Additionally, cost estimations for the collector have been prepared showing cost ranging from 880 to 2300 euros/(m²_{façade}) (bottom-up cost evaluation) for the chosen configurations. Discrepancies between bottom-up and top-down cost evaluations were found.