

# Celtic Trade Group presents ENERGATE®





# MORE WINDOW – MORE ENERGY – MORE LIFE



# ENERGATE® – Ludwig Häußler GmbH



## Ludwig Häußler GmbH:

- Family-owned company
- Founded in 1919
- Focussed on the production of sustainable, energy saving, high quality windows and doors
- Durability, comfort, safety, light-related design and a highly-efficient energy balance are values which are important to us.



# ENERGATE® LOCATION



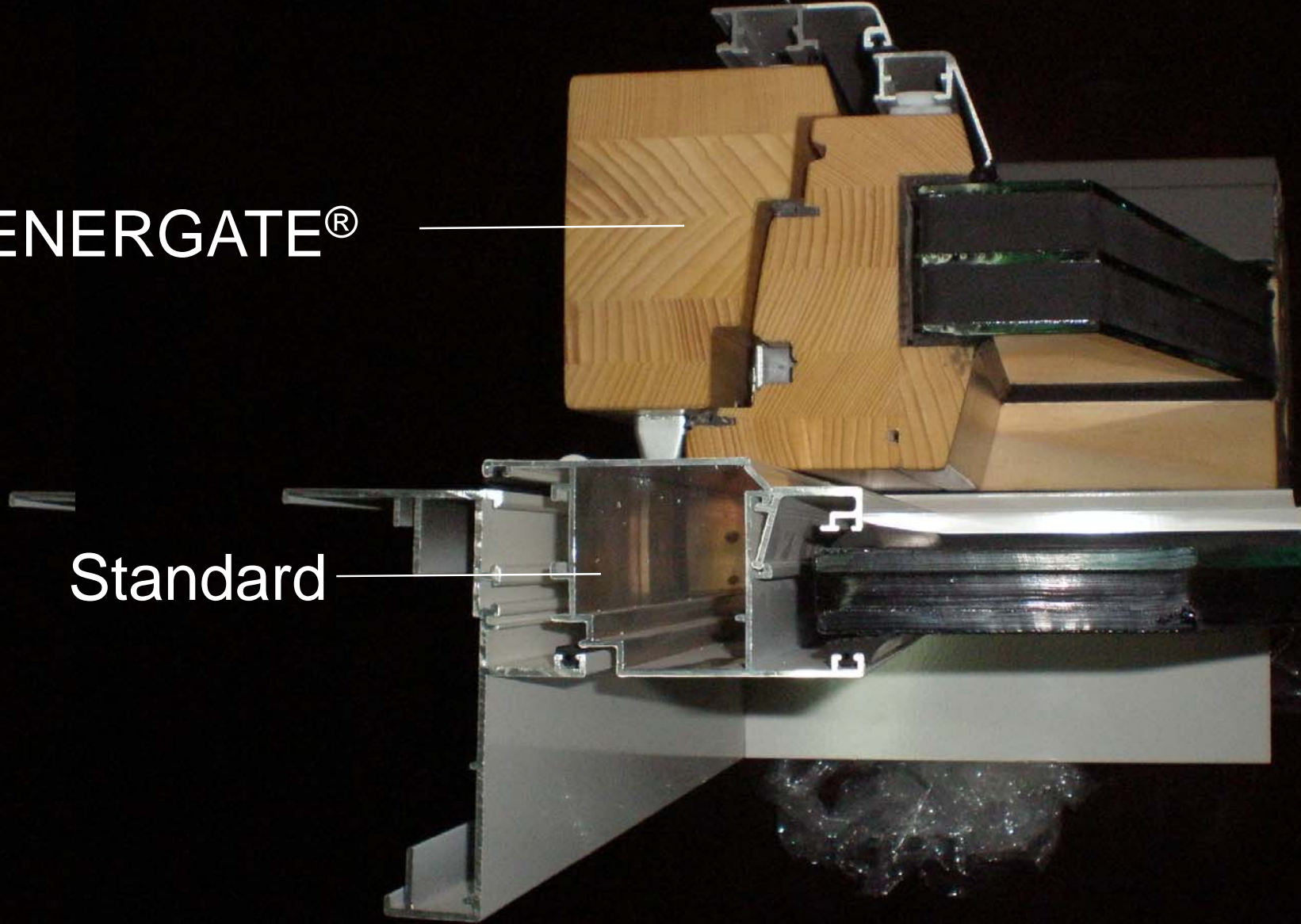
## Speyer - Germany:

- Production at our headquarter in Speyer
- The local production ensures high-quality standards
- High-quality and robust components
- Quality marks and certified components guarantee tested quality

# COMPARISON „Standard – ENERGATE® “ windows

ENERGATE®

Standard



# ENERGATE®

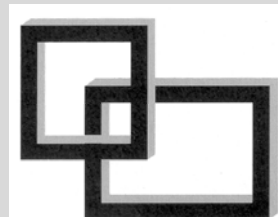
## ENERGATE® – MEMBERSHIPS AND PARTNERS



Passivhaus  
geeignete  
Komponenten



Informations-Gemeinschaft Passivhaus Deutschland  
Netzwerk für  
Information, Qualität und Weiterbildung



Holzfenster

RAL GÜTEZEICHEN

+ Montage



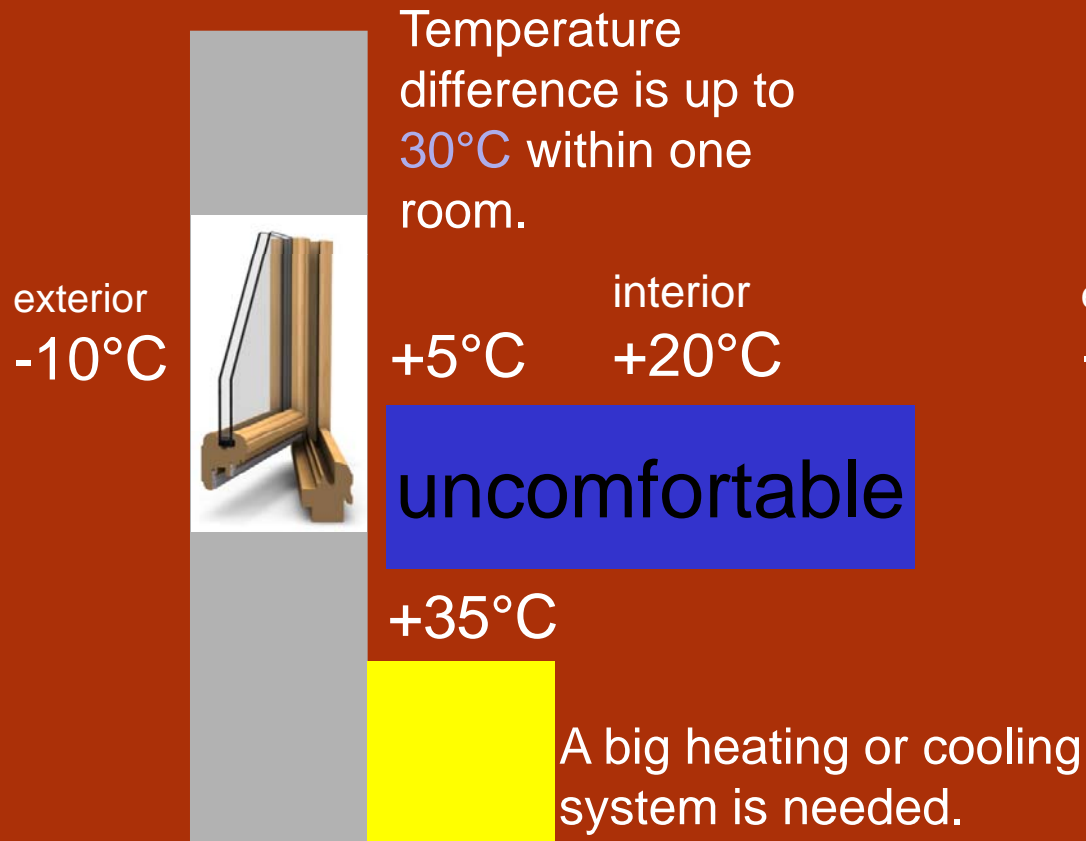
RAL GÜTEZEICHEN

Kunststofffenster  
und Montage



# STANDARD VS INSULATED BUILDING

## Standard



## Insulated Building





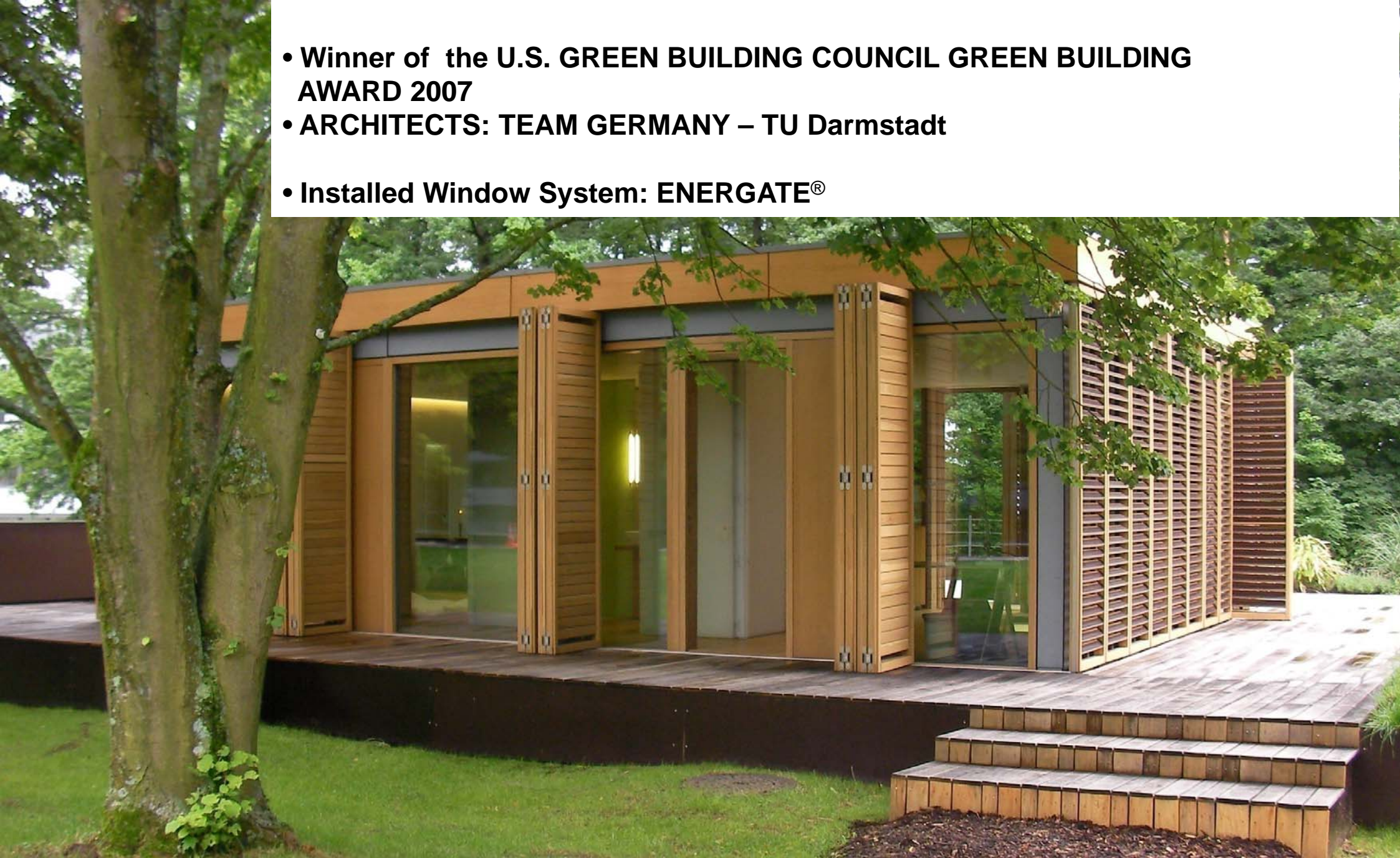
- Winner of SOLAR DECATHLON 2007, the solar house building Olympics.
- 20 solar homes competed in 10 disciplines on the NATIONAL MALL / WASHINGTON D.C. / USA
- ARCHITECTS: TEAM GERMANY – TU Darmstadt
- TEAM GERMANY won this competition because of the reduced energy demand of the building, realized through a superinsulated airtight building envelope.



Installed Window System: ENERGATE®  
Windows Southside  $u_w = 0,60 \text{ W/m}^2\text{K}$   
Windows Northside  $u_w = 0,32 \text{ W/m}^2\text{K}$



- Winner of the U.S. GREEN BUILDING COUNCIL GREEN BUILDING AWARD 2007
- ARCHITECTS: TEAM GERMANY – TU Darmstadt
- Installed Window System: ENERGATE®





# TEAM GERMANY



## AWARDS

**German Timber Construction  
Award 2009**

Category: Component / Concept

**Construction World  
Award 2009**

Category 6: Prototypes

**DETAIL Magazin Award 2009**  
Special Award

**Timber Award Hessen 2008**





- **ENERGATE®** supplied the **ENERGY PLUS HOUSE** Reference of the German Government.
- The showcase near the Reichstag in Berlin demonstrates impressively the possibilities of future energy-efficient building.
- Built to show the importance and the potential of an improved building envelope to reach the carbon reduction targets.







- **ENERGATE®** is the world wide benchmark in sustainable super energy saving windows
- best technical values
- impressive U-values
- best air tightness
- award-winning design.





- **TITLEHOLDER TEAM GERMANY**  
has won the **SOLAR DECATHLON**  
for the second time 2009
- **NATIONAL MALL / WASHINGTON D.C.**  
**USA**
- **ARCHITECTS: TU Darmstadt**
- **Installed Window System: ENERGATE®**

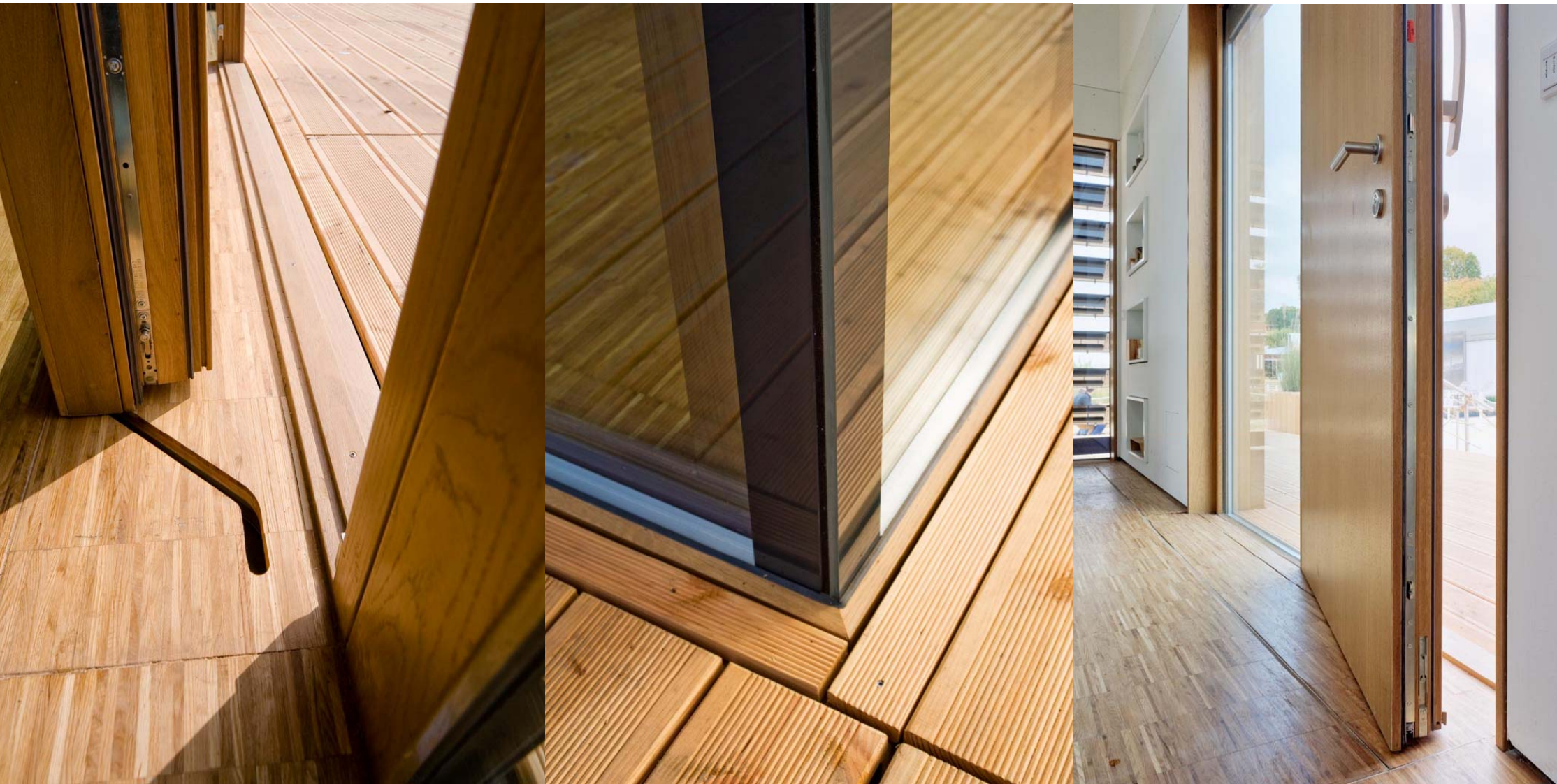


- The Solar Decathlon joins 20 international college and university teams in a competition to design, build, and operate the most attractive and energy-efficient solar-powered house.
- TEAM GERMANY's house produced 2,7 times the energy it consumed during the 14 day competition (including 6 days of bad weather).
- This has been possible through an superinsulated building envelope.
- Installed Window System: ENERGATE®



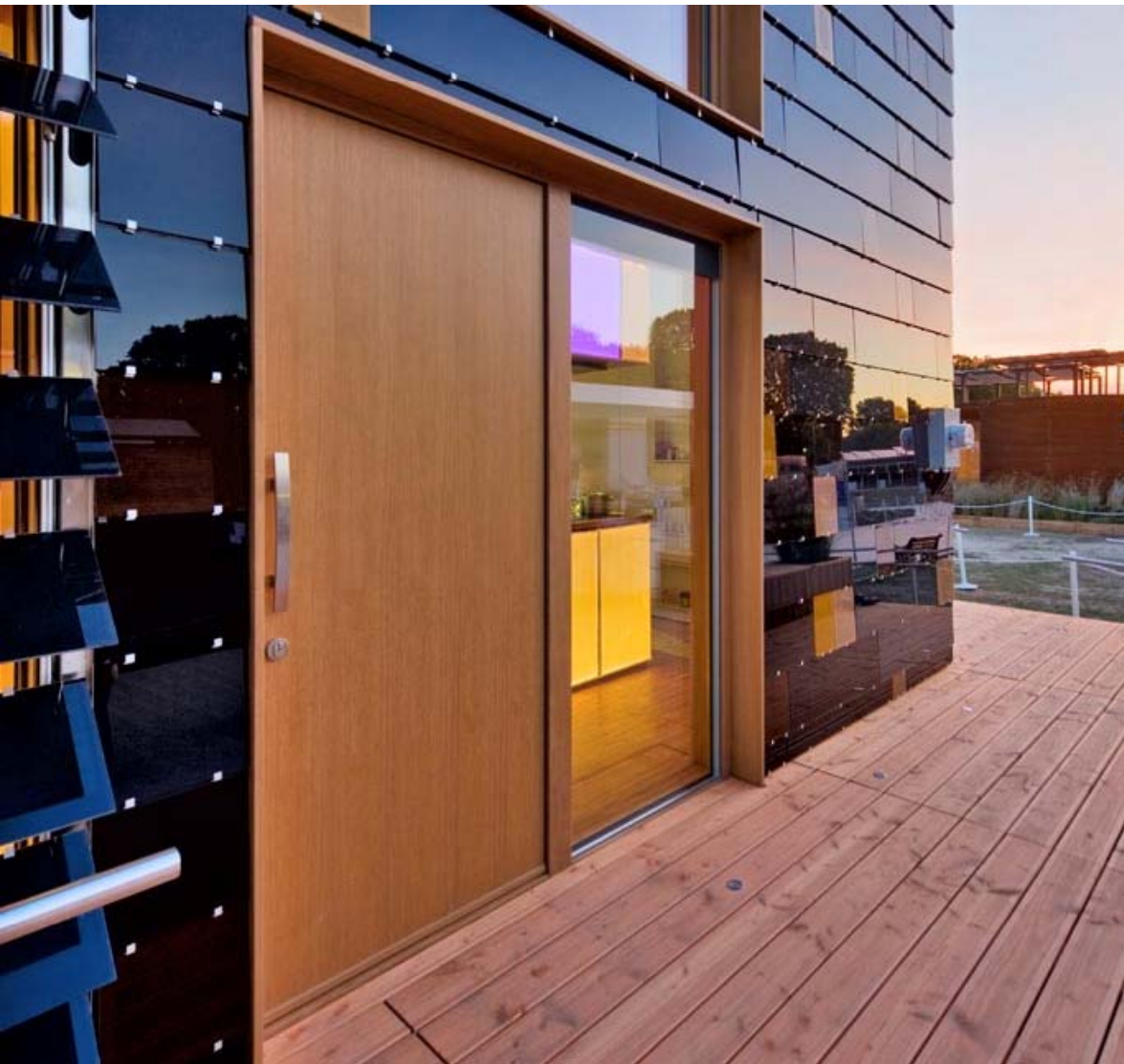


# SOLAR DECATHLON 2009





# SOLAR DECATHLON 2009





# ENERGATE® + MASDAR

ENERGATE® EDITION MASDAR



© Foster + Partners



- **MASDAR CITY**  
**ABU DHABI FUTURE ENERGY COMPANY**
- **A green city for 50.000 residents**  
**ABU DHABI / UAE**
- **ARCHITECTS: Master Plan**  
**FOSTER+PARTNERS**  
**Division 5**
- **REALISATION until 2015**





- **MASDAR INSTITUTE  
OF SIENCE AND  
TECHNOLOGY  
ABU DHABI / UAE**
- **ARCHITECT:  
FOSTER+PARTNER**
- **Installed Window  
System: ENERGATE®**











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