



jaga

CATALOGUE € 2016-2017.EX







ENTER THE JAGA BRAIN

WWW.JAGAEXPERIENCELAB.COM

A UNIQUE CLIMATE LABORATORY AND AUDITORIUM

where new radiators are born,
where new technologies are conceived and tested,
where Jaga's future philosophy is formulated,
where work is done on a cleaner environment,
and where a better world is dreamt of ...



ENTER THE JAGA BRAIN

THE JAGA EXPERIENCE LAB

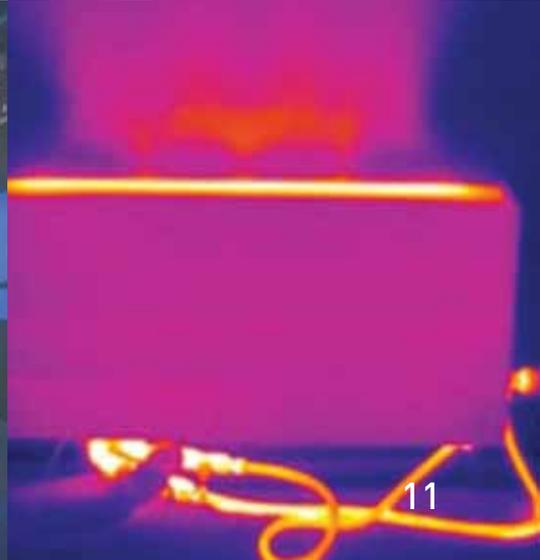
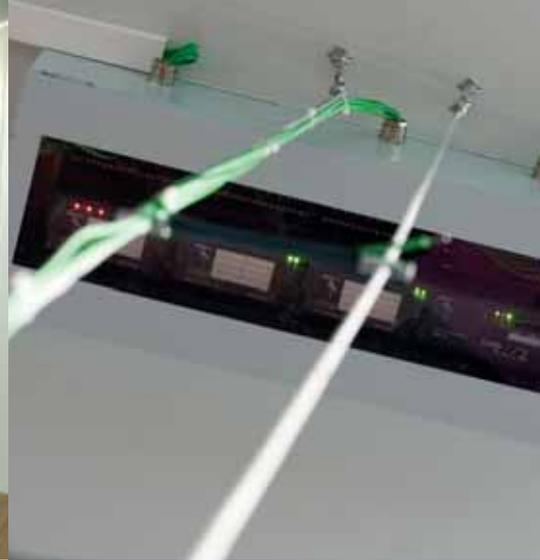
is a unique scientific climate laboratory for comparative studies and simulations between different heating or cooling systems. **The Lab consists of a 600 m³ climate chamber and a multi-functional auditorium.** There are 2 identical test rooms in the climate chamber. Extreme weather conditions can be simulated, with temperatures ranging from -30°C to +30°C, which means that heating as well as cooling systems can be tested and compared. Several measurements are carried out simultaneously in the climate chamber and test rooms: air temperature, temperature of the walls, black bulb radiation temperature, flow and return water temperature, CO₂ level, humidity etc. A total of 120 measurements are captured and recorded on-the-spot by the climate logger in the control room. All the data can then be visualised and projected so that visitors in the auditorium can follow the tests live.

Please visit www.heating-studies.org for more information and measurement results.



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Specifications of the 'Experience' test rooms
 Internal dimensions W 400 x L 400 x H 290 cm
 Walls of half-strength construction with cellular concrete, U = 0.36 W/m²K
 Windows/doors with thermally broken aluminium profiles and double glazing, U = 1.1 W/m²K
 Roof insulated with 8 cm PUR, U=0.30 W/m²K
 Heavy construction floor, insulated with a combination of PUR and XPS with wet type underfloor heating system, U = 0.38 W/m²K
 Heat loss of the houses at a temperature difference of 1K: 54 W per house

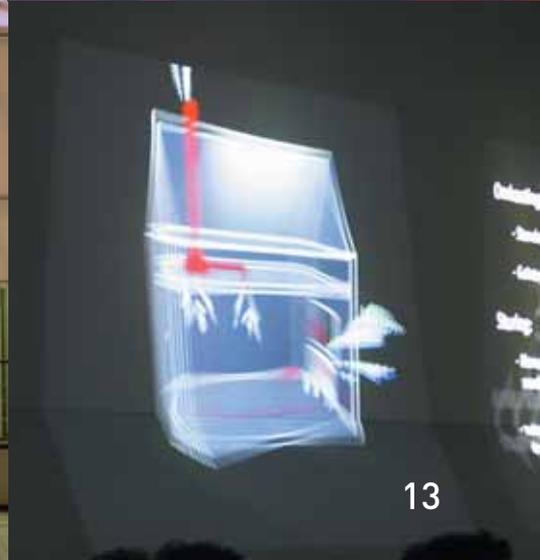
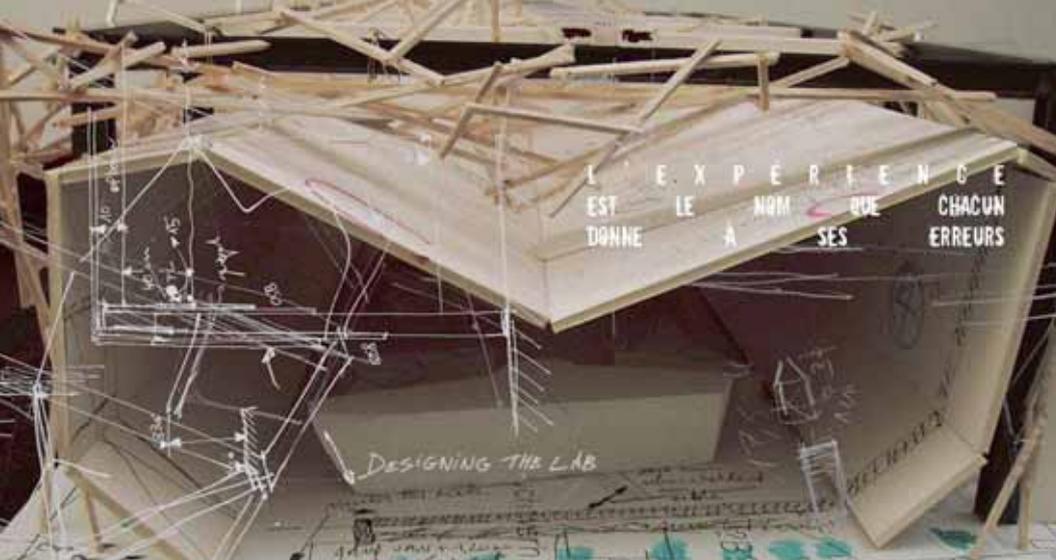




JAGA EXPERIENCE BRAINROOM

Stimulating inventive and creative thinking, allowing as much creative flow as possible from one brain cell to another, as represented by the walls of this unique 'Experience' area. Follow test results live, analyse problems, find new solutions, and share this knowledge! This is the audio-visual auditorium of the Experience Lab. An inspiring environment that is visited and used by scientists from all over the world. A knowledge centre where everyone is welcome. Advanced audiovisual systems and 10 projectors provide a total immersion experience, a broad vision, a challenge...





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