

New IEA EBC Annex

Building energy performance assessment based on optimized in-situ measurements



Development of a Network of Excellence

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HISTORY

Belgium, Denmark, France, Germany, 1985 PASSYS Italy, Netherlands, UK, JRC 1990 PASSYS II Greece, Portugal, Spain 1992 **OMPASS** 1994 **Finland PV-HYBRID-PAS** 1996 2000 Switzerland,... **IQ-TEST** New member states 2002 **DAME-BC** New sites in Spain, France, ... 2005 Annex 58 2011

DYNASTEE





Sint-Stevens-Woluwe, BELGIUM



BRE Scatland

Building Research Establishment Scottish Laboratory East Kilbride, SCOTLAND, UK



Centie for Renewable Energy Sources Pikermi, GREECE



Plataforma Solar de Almeria (PSA) Almeria, SPAIN



VTT Building & Transport Espoo, FINLAND

EXTERNAL MEMBERS/ASSOCIATED:



Brandenburg Technical University of Cottbus Cottbus, GERMANY



DTU-IMM

Technical University of Denmark Lyngby, DENMARK



TNO

TNO Building & Construction Research Delft, The NETHERLANDS



Swiss Federal Laboratories for Materials Testing and Research Zurich, SWITZERLAND



Glasgow, SCOTLAND, UK



University of Porto



European Commission -Joint Research Centre Ispra, ITALY



Porto, PORTUGAL

CANDIDATE MEMBERS:



University of Athens Athens, GREECE

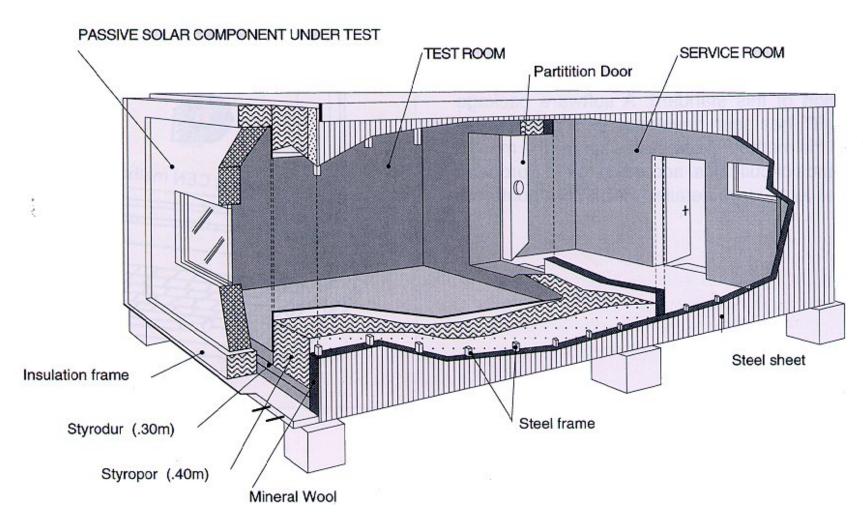
International Network for Information on Ventilation and Energy Performance







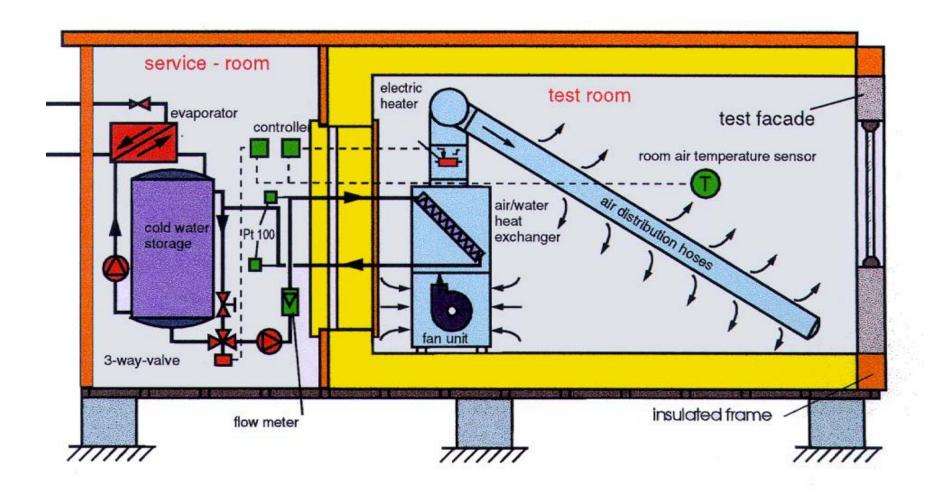
The original PASSYS test cell







Indoor climate control...







Different test components







Testing roof components...







The upgraded PASLINK Test Cell





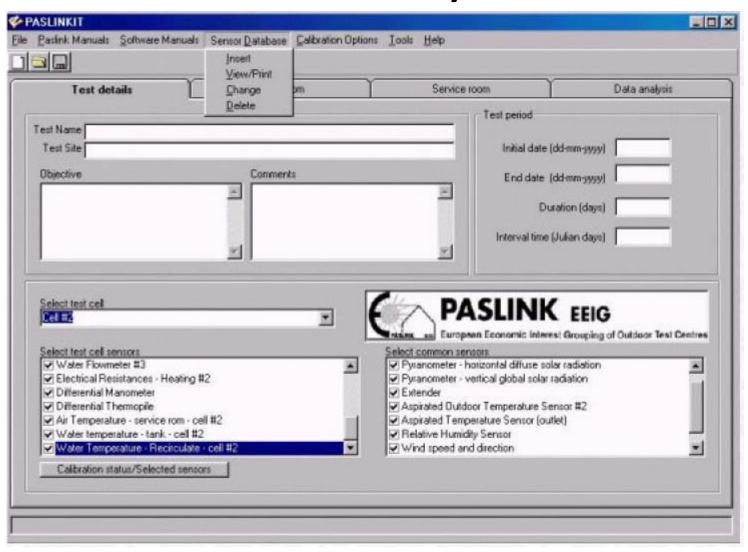








IQ-TEST Quality control







Data analysis

PASSYS I

From

• steady-state analysis

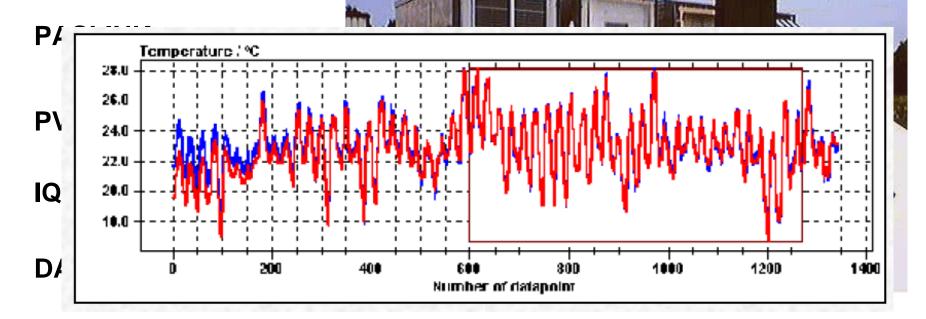
pseudo steady-state analysis

PASSYS II

to advingingiertzing a lygipence intervals

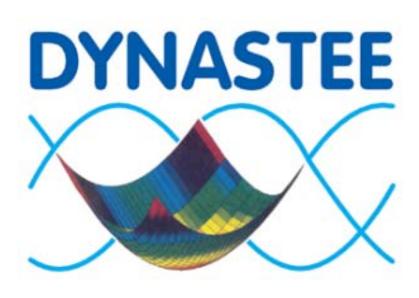


Based on parameter identification methods









Network for

- DYNamic
- Analysis
- Simulation and
- Testing of
- Energy and
- Environmental performance of buildings





DYNASTEE

- Informal network
- No admission fee
- Functions under the umbrella of INIVE EEIG
- Platform for exchange of information, dissemination, training and expertise
- For researchers, industry, product developers, designers, ...
- Towards a Network of Excellence





COMMUNICATION

Dissemination by means of

- DYNASTEE.info Web-site
- Newsletters
 - 6 published so far
 - #6 on final results of Annex 58
- Events
 - Webinar
 - Workshops
 - Summer Schools















Announcement of the Summer School 2015

2015. It will be during the week 22 - 26 of June at the DTU in Lyngby, Denmark.

The focus will be on the application of methodologies for whole building energy performance assessment using dynamic mathematical and statistical tools in the software environment R.

Read more about the Summer School 2015 in the Flyer that can be downloaded from here to find out more about the contents as well as the registration procedure. For registration and communication with the students, download and upload of documents, etc. the organisers are using the services of the Danish Technical University, CampusNet,

The registration will close 15 May 2015.

Decision Tree for Testing and Analysis

in order to accurately evaluate the performance gap, it is essential that the testing methods used n research are robust and reliable. With this in mind, Subtask 2 of Annex 58 of the International

- Highlights
- . Decision Tree for Testing and Analysis
- · Announcement of the Summer School 2015

About DYNASTEE

Analysis, Simulation and Testing applied to the Energy and informal grouping of organization of tools and methodologies relative to this field, DYNASTEE functions under the auspices of the INIVE EEIG and constitutes a sustainable informal networking mechanism, which is intended for those who are involved in research and applications for the assessment of energy





SUMMER SCHOOL 2016

19 - 24 JUNE 2016, Granada, Spain

Dynamic Methods for whole Building Energy Assessment



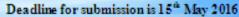


For the 5th time

DYNASTEE organises a Summer School dedicated to

Dynamic Methods for

Building Performance Assessment





Organical by: DVX AATEE-DVX. and the Gird Engineering Arbeid (Linivaries of Grands, Spain), in. on Indonesian with CIENAT (Agric), DITU (Lyngby, Denous) and ERRU (Stratish, de University, Obsesso, UK).

Lecture so: Hans Bloom (JRC, <u>logn.),</u> Maria José Jiménez (CIEMAT), Henrik Madson, Peder Bacher (DTU), Paul Strachan (Stratholyde University).



The Centre for IT-Intelligent Energy Systems, CITIES, is a Dunish strategic research centre with a range of world wide industrial and sendemic partners. CITIES, gips, at seconglishing energy integration through the use of IT solutions for design and operation of integrated energy systems in future smart buildings and cities, see who was sentential contents.









A Network of Excellence

- The expertise developed in the Annex 58 project remains available to the community of builders, designers, industrial developers, scientists and public authorities.
- The DYNASTEE platform will continue to act as the facilitator for information exchange in the new annex





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COST proposal

To reinforce the Network of Excellence

- Funding for a structured approach
- See Maria Jose Jiménez, Energy Efficiency in Buildings R&D Unit, CIEMAT, Spain, coordinator of the CST action proposal

For more information and to join the proposal send an e-mail to:

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