

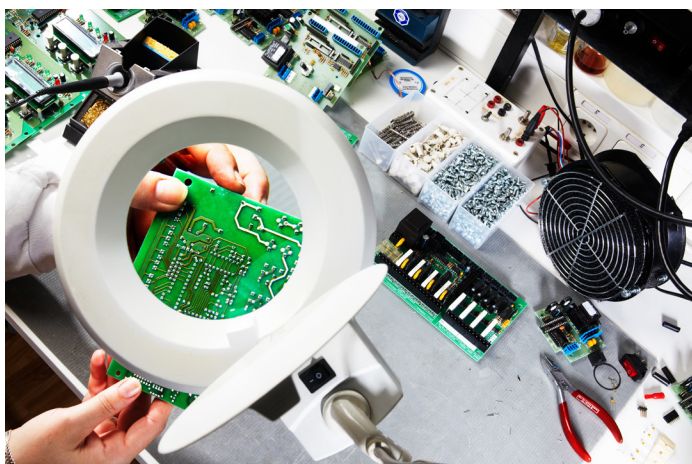
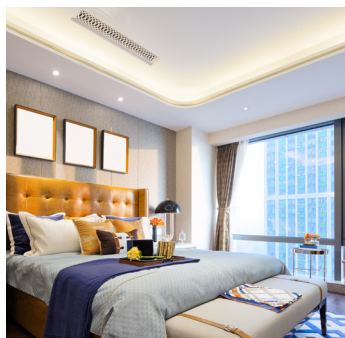


eu.bac Certification

Building Automation and Control Systems (BACS)

Thermostats, controllers, pilot valves, hydraulic valves...

Assess your Individual Zone Control equipment with eu.bac certification



Meeting the environmental, energy and comfort requirements for buildings while guaranteeing regulatory and standards compliance of products is a powerful differentiator for BACS.

The CSTB is a recognized and independent certification body, which provides its extensive expertise and test facilities to guide you in assessing the accuracy of your Individual Zone Control equipment.

The stages in the certification process to obtain the eu.bac license certify the:

- accuracy of Building Automation and Control Systems (BACS) (controller + associated control loop, including actuator and/or valve)
- compliance of Individual Zone Control equipment products with specifications in European product standards
- interchangeability of hydraulic valves without impacting control system performance (optional)
- production and service quality

These guarantees differentiate your products on the market. They are also used in French thermal and environmental regulatory calculations (RT2012 and RE2020).

- **Certified performance over time**
- **Streamlined decision support based on type of emitter**
- **Increased value through regulatory calculations (RT2012 and RE2020)**
- **Verified quality that builds trust between stakeholders and reduces after-sales service costs**
- **Optimization of operating costs and energy savings for your customers, including specifiers, operators and project owners**
- **Increased system flexibility (interchangeability of valves)**

The CSTB guides you in applying for the eu.bac license

- **Technical preparation** of the certification application on the www.eubaccert.eu platform
- Perform tests using the **eu.bac semi-virtual laboratory** to measure the Individual Zone Control equipment accuracy
- **Collect and analyze** manufacturer's declarations to check compliance with standards requirements (EN 15500) for heating, ventilation and air conditioning applications: control system, labeling and design
- Schedule and conduct **inspections** of manufacturing plants.
- Validate and submit materials to the European Building Automation and Controls Association for the **issuance of the license** and its **posting online** at www.eubaccert.eu

Rates

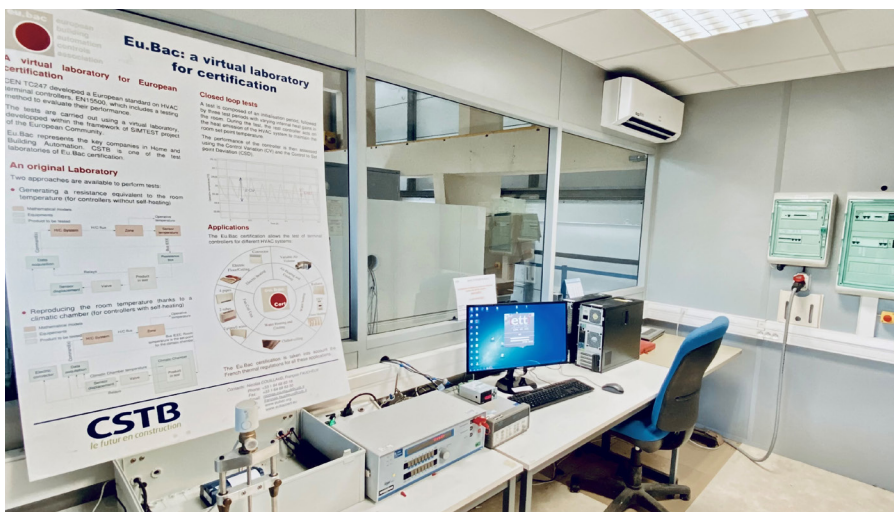
eu.bac License
From 5,000 euros, excl. tax,
per year

Lab rental
From 1,500 euros, excl. tax

Expertise
R&D
Customized test protocols
Prices on request

Services beyond Certification

- **Lab rental** to measure the performance of your products before applying for your eu.bac license (remote deployment possible)
- **Link the eu.bac license** with making your **environmental declaration** (PEP)
- **Expertise and Research & Development** in energy optimization, environmental quality, simulation, machine learning, BIM, temperature sensors and more.
- Development of **customized test protocols** for equipment not covered by the eu.bac license (heat pumps, boiler control, etc.)



CSTB semi-virtual laboratory

Use of eu.bac data

Project managers access and use the data published at www.eubaccert.eu concerning the accuracy of control systems for the different applications of emitters (fan coil units, cooling ceilings, floor heating, chilled beams, etc.).

The availability of certified data lets you promote the performance of your products in regulatory calculations because it replaces a standard or downgraded value common to all Individual Zone Control equipment.



Since 2006, the European Building Automation and Controls Association has called on the CSTB to conduct and report on the tests and audits for eu.bac certification, the European quality mark issued for 6 years for building automation and control systems.



Accuracy of control systems

Tests performed in the CSTB laboratory under accreditation No. 1-2122; scope available at www.cofrac.fr



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