

TEST AND CERTIFICATION  
SOLUTIONS FOR  
COMPONENTS AND DEVICES

# HVAC test suite

HVAC TEST AND VALIDATION  
SYSTEM SOLUTIONS

# HVAC testing platform

An integrated frame for the characterization of HVAC behaviour and performance



**HVAC TEST & CERTIFICATION SUITE**  
Measure and monitor with ease  
HVAC systems

During the last 20 years IRS has developed and supplied HVAC test systems around the world. Test systems are based on an hardware and software framework that is tailored for the customer. Delivered solutions enable development and validation of HVAC products and components.

The HVAC test platform allows to control and monitor the parameters needed to characterize the unit under test.

HVAC test suite is suitable to test and certify local and worldwide regulations for chiller, heat-pump, heat-exchanger, fans and other HVAC components. IRS can provide the entire facility for testing HVAC device machines: climatic chamber, the air handling system, power supply, data acquisition and control.

## 1 Flexible test systems

HVAC test suite offers a modular approach to testing and certification. Hardware configuration can be customised easily based on customer needs.

## 2 Easy to use software

HVAC test suite is a combination of hardware and software. The software allows an easy management of test procedure and certification protocol.

## 3 Model based testing option

In addition to traditional testing system, IRS can offer an improved and higher precision testing thanks to physical and/or data driven modeling.

# Vertical Solutions

HVAC test suite is a testing platform with tailored solutions for specific customer request and market segments



### HVAC-CHP MACHINE TEST

IRS manufacture CHP-HVAC test systems that includes facilities and hydraulic parts (walk-in test chamber). Systems accomplish device certification according to local or international standards.



### COMPONENT TEST

IRS can build and deliver specific solutions for testing of HVAC components. Test systems delivered includes solutions for fans, pumps, heat exchanger, compressor.



### FIELD TEST

IRS can offer field test solutions that can run performance test and verification on already installed HVAC device. IRS testing devices are best known because of precision and easy of use.