

Geco

Data acquisition and test system



Project Engineering: the HVAC/R specialist for data acquisition systems for demanding R&D engineers.



- Intuitive user interface
- Acquired and calculated data displayed as graphs and synoptics
- Complete plant supervision and control from the PC
- Allows multiple PCs for multi-room plants
- Calibration tool and sensor database
- Test results stored in a database
- User-configurable calculations
- Automatic procedure for HP defrosts handling
- Can interact with the company management system (Industry 4.0)

End-of-line tests

Designed for R&D, Geco can easily be used in end-of-line test systems as it integrates a user configurable test procedure that guides the operator in a step-by-step test, with a final test report containing not only the test result, but also the thermodynamic data acquired during the test.

over 30
years of
experience

200 test
systems for
over 150
companies

worldwide
experience

70 turn-key
solutions

supplier of
certification
bodies

highly skilled
team of system
and software
engineers that
delivers quality
in measurements

Carnot cycle

The system allows one to calculate the enthalpy of the refrigerant and to plot the Carnot cycle over a P/H diagram in real time, giving the engineers an 'at-a-glance' evaluation of the behaviour of the unit under test.

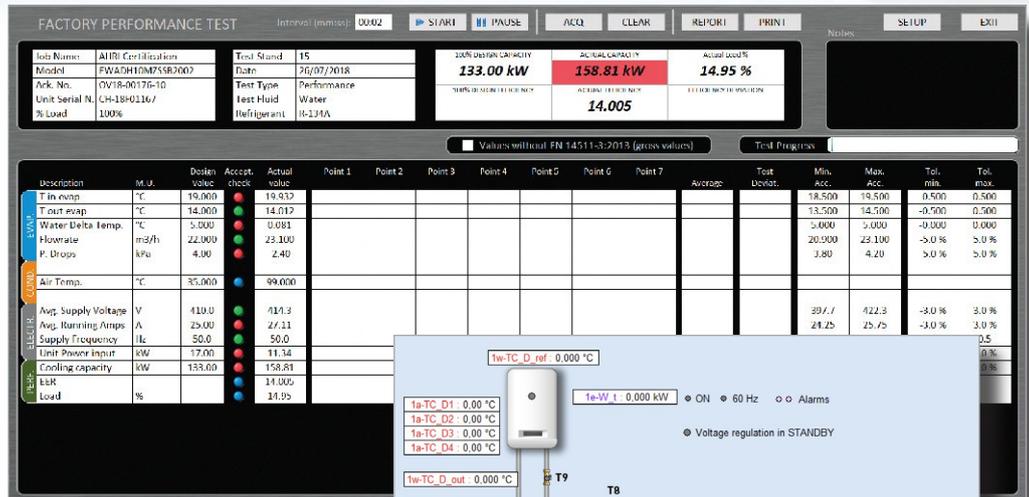


Connect

Connect, a LabView program, is the ideal add-on of Geco for the customers who need a strong customization and who want to be able to write their own software code either in LabView or in other widely used languages (for example Matlab®).

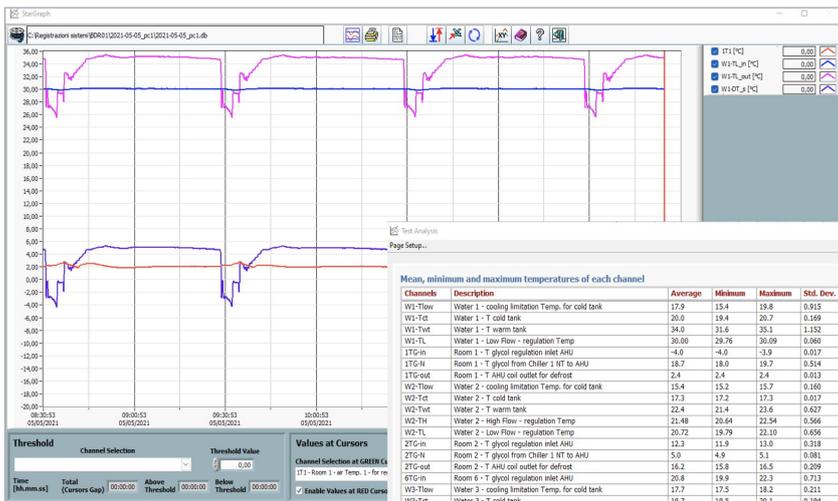
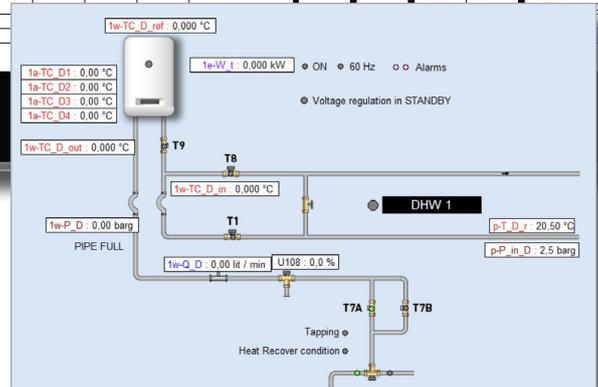
Witness test

This program, with its specific user interface, easily fulfils the customer's needs for all the companies that run a witness test of the units before shipment.



Heat Pump DHW

Geco performs DHW tests according to several international standards (including EN 16147, US, Dutch, and Vietnamese standards, for example) with standard and user-configurable tapping profiles.



Stargraph

The analysis tool created by Project Engineering allows an extremely easy analysis during the test and/or after it is completed: once the engineer graphically chooses the section of interest in the recording, the software generates a test report in Excel in a custom-defined layout.

Turn-key solutions

Project Engineering, in partnership with **Air Control**, realizes *turn-key solutions* in which the two companies combine their specific skills.

Our strong synergy allows us to propose innovative technical solutions that are very interesting from the economical point of view, with a tight integration between the system management logics and the mechanical/hydraulic parts. Other strong points are fast test times (operating conditions are achieved very quickly) and reduced operating costs (including power consumption reduction and increased testing automation).

Having the know-how to supply turn-key solutions such as climatic test rooms, calorimeters, and manufacturing testing facilities, we have created over 70 custom solutions for some of the most important certification bodies and universities all around Europe and for leading companies worldwide.

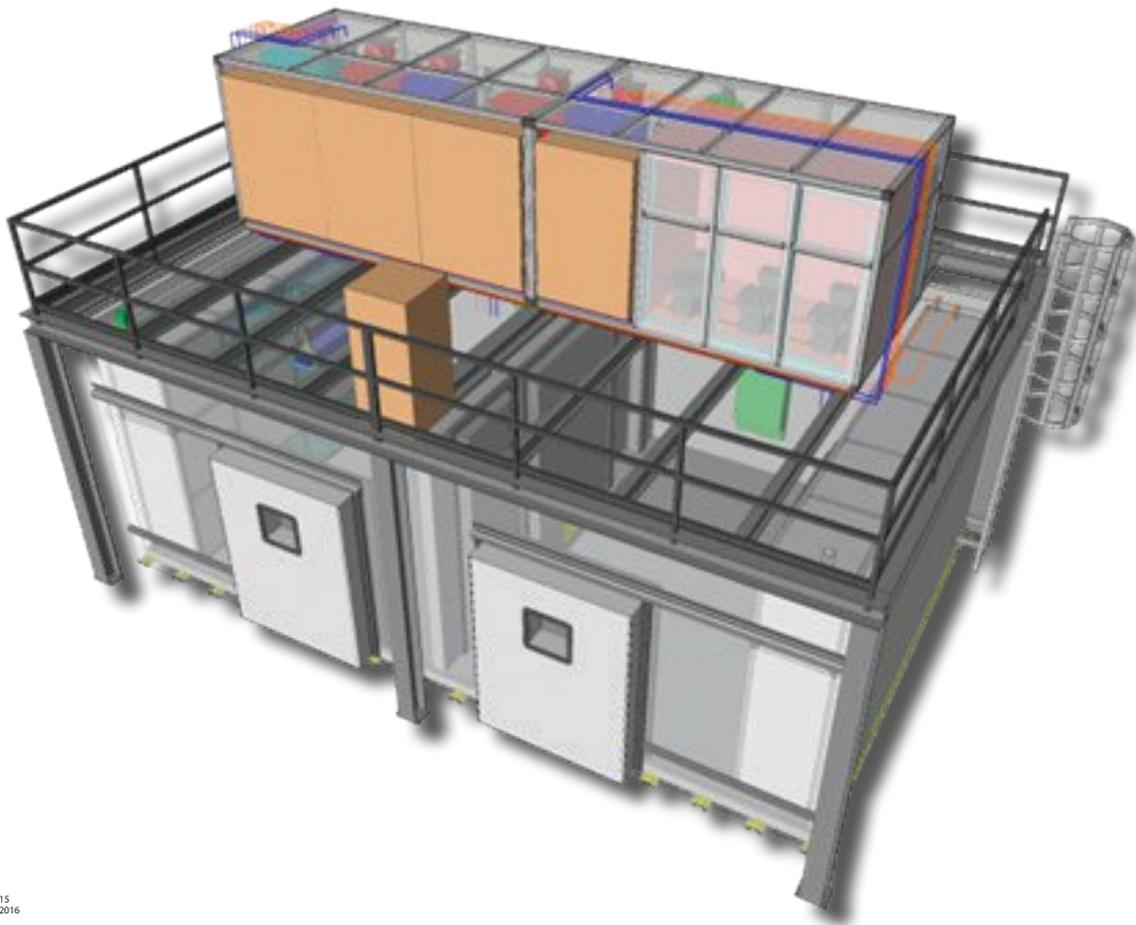


Project Engineering

Air Control

tecnica per passione

The winning synergy



UNI EN ISO 9001:2015
UNI CEI EN ISO 13485:2016