

2-day International Training

Measuring - analysing- optimisation



ClimaCheck gather in April some of the most experienced performance analysers from all over the globe as well as those wanting to join the ClimaCheck network for a 2-day training. To accommodate all the training will have two levels.

Level 1

For those without or with limited experience of ClimaCheck performance analysing. This will give a good platform for future work with performance analysing and optimisation. It covers the theory of the ClimaCheck Method as well as how hardware and software is used but also introduced the methodology to identify optimisation opportunities. Participants should have a good understanding of the basics of refrigeration/air conditioning process to follow the training.

Level 2

Those that have prior experience in measuring and performance analysing with ClimaCheck but want to increase their capabilities should join Level 2. The focus is to go deeper into analyses, presentation of result and optimisation. An important part of this training is experience exchange between experienced ClimaCheck users. Parts of the training with focus on case studies and presentations of expert guests will be done with Level 1 and 2 together.

The venue is an old mansion, Villa Brevik, on Lidingö one of the many islands that forms the Stockholm Region (30 minutes from city). We are looking forward to see you at Villa Brevik in April. [Click here for more information on training.](#)

Product news

The new IoT platform introduced With **ClimaCheck PA Pro III** during 2017 has made ClimaCheck solutions even more flexible and cost effective.



The unit has integrated modem – Wi-Fi – LAN – Bluetooth which give ClimaCheck a unique flexibility. New is also the **ClimaCheck concom** a solution for i.e. convenient stores and gas stations. It is developed to offer a cost-effective solution to utilise existing sensors when smart controllers with Modbus capability is used.



A typical application is connecting Emerson's condensing unit to ClimaCheck online monitoring. Sensor data available in controller can be collected with **ClimaCheck concom** and sent to ClimaCheck online to "turn data into information" such as COP and System Efficiency Index. Early warning can also be set up to indicate loss of refrigerant or other deviations reducing service and energy cost.

Integrated solutions

ClimaCheck know-how is based on 30 years of experience and tens of thousands of field measurements and unique on the global market. We supply turn-key portable solutions and cloud-based monitoring systems but ClimaCheck also offer integrated solutions where controllers or monitoring systems can use ClimaCheck know how to turn data points into information. ClimaCheck analytics can be integrated in existing BMS/BAS systems or use sensors from controllers offering customers and OEMs immediate access to a state of the art monitoring system that can be up running in days at minimal development cost. Integration using standard data exchange solutions can be done with most systems and has been done with i.e. Dixell X-Web, Schneider, Siemens, Niagara and Kabona.

New project engineer at ClimaCheck

Gagandeep Mohey is new at ClimaCheck. "Gagan" has a Swedish Master exam in Energy in Building Energy Systems and Sustainability. He is also a certified Energy auditor and has trained Energy Auditors in India.



Global News ClimaCheck in Korea



The EU Gateway Business Avenue program has the purpose to establish partnerships between European and Asian companies. ClimaCheck was selected as a company within Green Energy Technologies. From the 29th of January till 2nd of February 2018 ClimaCheck participated in the EU mission to Seoul. The weather was as cold as the reception was warm - Korea is a friendly country with a rich history and culture. Korea is a growing market for ClimaCheck. Our distributor **Mr. Sang Jin Park at Thehaim Eng** has worked successfully to introduce ClimaCheck. As in so many other countries it has become clear that air conditioning, refrigeration and heat pump system do not operate as efficient as they should. To reach Korea's Climate Change commitment the Korean Energy Agency is pushing regulations on Measuring and Validation to ensure efficiency. The EU organisers invited a targeted audience to an exhibition at the Shilla hotel in Seoul.



The ClimaCheck stand was continuously busy with potential customers and experts from i.e. the Korean Energy Authority which gave an opportunity to discuss the saving potential as well as the unique ClimaCheck solutions and experiences.

The visit to Seoul also gave an opportunity to visit the **"Seoul Energy Dream Center"** a fantastic building, used for public awareness on energy and climate.



It is built with the latest technology - from architecture to technical solutions - to show how energy consumption can be decreased through

building orientation-design and how the energy can be supplied with a combination of photovoltaic and ground source heat pumps. The three heat pumps as well as a chiller in the Seoul Energy Dream Center are monitored by ClimaCheck online to ensure that it is not just efficient products but that they are also operating efficiently.

China

When a Chinese delegation from ZPark and regional authorities visited ClimaCheck a framework agreement was signed to take advantage of the ClimaCheck technology to increase energy efficiency in ZPark's facilities. ZPark is one of the larger data centre operators in China. One of ClimaCheck's Chinese customers Sanzen Energy has

demonstrated and proven the importance of ClimaCheck technology to improve efficiency and reliability in their facilities.



Greece

The end of 2017 and start of 2018 has been extremely busy for ClimaCheck with significant orders to USA, South Africa, Sweden, UK and Greece.

The biggest individual project at the end of 2017 was the supply of ClimaCheck online solutions for ten of Metro S.A. stores in Greece. Metro is one of the leading and fastest growing supermarket chains in Greece and has a strong focus on being a leader in sustainability. Metro see energy efficiency as a key to be competitive and an industry leader in the future.



Metro has partnered with ClimaCheck in a program to systematically improve the efficiency in existing stores and optimise new solutions for future stores.

