

ClimaCheck 6th International Training

**Performance Analysing in refrigeration and airconditioning,
April 6-7, 2017 in Stockholm, Sweden.**

Learn the latest in Optimisation and early warning.

- How can System Efficiency Index be used to identify and communicate to none experts why they need to take action?
- Learn how to use Sub efficiencies for compressor, evaporator, condenser and cycle to understand and benchmark performance and give early warning.
- Use energy signatures to predict and validate savings.
- Learn or improve the skills of using ClimaCheck soft and hardware to improve efficiency and reliability.



Globally 15-20% of the electricity is used by refrigeration processes. To maintain temperature is critical for the end-user business - but maintaining temperature alone will no longer be sufficient with increasing environmental focus.

The new environment offers business opportunities for consultants and contractors.

ClimaCheck onsite and ClimaCheck online offer state-of-the-art methodology for true performance analysis of all types of RAC systems and is becoming part of the everyday work for many contractors, consultants and equipment owners around the world.



Competence is the key for the future professionals to lead the change.

Certification from ClimaCheck training is required to be listed as "ClimaCheck Partner".

ClimaCheck Sweden arrange a two-day Technical Training Course, focused on:

- Business opportunities in RAC sector.
- ClimaCheck **onsite** and **online** performance analysing
- Performance Inspections and Energy audits
- Discuss experiences from Cases with experts
- Trouble-Shooting and Energy Optimisation
- How to set alert and indicators to get early warning



The Course is intended for professionals with experience and understanding of **refrigeration, air conditioning and heat pump systems**. Basic understanding of the thermodynamics and practical understanding of the components of a system are prerequisites for the course.

Exchange of experiences between participating experts is an important part of training.

Level 1 - basics of ClimaCheck performance analyses. How to use ClimaCheck hard and software and how to interpret results. Create a performance report on standard systems. This training is aimed for technicians and engineers who has limited experience of ClimaCheck analyses. For those who has no experience we will send out a demo software version upon registration which we recommend participants to study prior to training.

Level 2 – Focus on ClimaCheck optimisation for those who has practical experience from a number of measurements and want to develop the skills to measure and analyse more complex systems. Focus is on analyses, trouble shooting, optimisation and reporting rather than ClimaCheck hard- and software. **Prior experience of ClimaCheck is required to participate in Level 2.**



Date: April 6-7, 2017 **Start:** 9 a.m. Thursday / **Finish:** 5 p.m. Friday
Language: Training will be done in English.
Cost: 400 Euro (+25% VAT)/two days (including documentation, two lunches, one dinner). Accommodation at the castle 1450 SEK/night (150 Euro/night).

Reserve your place to Level 1 or 2 now to ensure availability.
 (Maximum 20 participants per level will be accepted).
Register before March 1st at training@climacheck.com

Venue: Ljunglöfska Slottet, "The Castle of Ljunglöv",
 Situated 20 minutes from city center
Bookings through ClimaCheck: training@climacheck.com
Phone: +46 8 50 255 250

The castle is a beautiful building from 1893 located at the lake shore of lake Mälaren and rooms are available at the conference venue.



Lecturers from ClimaCheck and experts in the ClimaCheck network will share 30 years of experiences from thousands of measurements. Some sessions will be common and others will be split in groups based on prior experience.

Training will cover:

- Particular focus 2017 training will be on setting limits and alerts for deviations in efficiency and deviation from a plants energy signatures.
- System Efficiency Index and energy signatures
- Practical Measurements and Evaluation of Data
- Use of ClimaCheck hardware, software and website
- Presentation of measurements, results and cases – reporting



Social dinner

After the first day of training we will share experiences of good and bad examples in our industry in a classical environment.