



LIVE THE FUTURE

LLOYD COILS EUROPE is proud to participate in the specialist forums on the refrigeration, air-conditioning and ventilation themes, which will be held within the framework of Chillventa 2010 in Nuremberg, Germany.

We cordially invite you to the following presentations:

HEAT EXCHANGERS – ENERGY SAVINGS

Wednesday, October 13, 2010 | 3:00 p.m. – 3:30 p.m. | Hall 7 - 418

For users of air-conditioning systems, energy efficiency is the key, whether they want to save the planet against global warming, or just to prevent the escalation of their electricity bills. Less energy consumption means less CO₂ emissions. During the presentation, on the example of the air-cooled condenser in a commercial air-conditioning system, we will show:

- how the decrease of the condensing temperature decreases the compressor power
- how the bigger or better condenser coil can decrease the condensing temperature
- how big energy savings can be expected
- how much space and money have to be invested into bigger or better heat exchanger
- an estimation of the payback
- the influence of the fan control
- how much the indirect CO₂ emissions from energy consumption within the lifetime of the system exceed the direct global warming impact of F-gas refrigerants

AIR-COOLED CONDENSER COILS – DESIGN AND SELECTION

Thursday, October 14, 2010 | 11 a.m. – 11:30 a.m. | Hall 4A - 112

Original equipment manufacturers, medium and small size system integrators, installing and service companies must solve, at least occasionally, problems of the selection of the coil and fan. When the coil and fans are purchased separately, correct balancing of the two elements has to be carried out. For larger projects, it is desirable to go deeper: select the optimum fin geometry, tube size and enhancement options. The objective of the presentation is to:

- provide guidelines how to estimate the heat exchange capacity of the system coil–fan
- show different fin and tube enhancement option
- present the actual trends in coil design

*The presentations will be led by **Dipl. Ing. Vojtěch Harok**, R&D Manager of LLOYD COILS EUROPE, who has more than 10 years of experience within HVAC field and its development.*

Both presentations will be held in English.