

## ADDRESS BY THE EHPA

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Having had the last two venues of the IEA Heat Pump Conference in China and in the U.S.A., I am especially pleased that this conference does once again take place in Europe as Switzerland is a country with a traditional heat pump market.

For me it is also a personal pleasure because I have made my studies here in Zurich at the Federal Institute of Technology ETH Zurich.

As a student in the field of Thermodynamics I had to calculate the Carnot process and its application with the heat pump that has heated the city hall since 1937. That means that the Zurich installation was the first of its kind in Europe. And I ask myself: "Why isn't anybody using this technology seaming to be some sort of "Perpetuum mobile?"". The answer I was given was that combustion thermal heat was much cheaper at that time.

When I meet old friends today and tell them about my business field and when I explain what the heat pump technology offers everybody asks me, "If this is true, why isn't anybody using the technology and heating with heat pumps". And the only answer is "people just don't know!". And this is the only problem with heat pumps, the benefits in respect to pollution control, environmental impact, dependency on fossil fuels and above all the lowest heating costs compared to other systems. And heat pump can offer the highest potential reducing CO<sub>2</sub> emissions compared to most other renewable energy sources.

As a European Heat Association the EHPA focuses on information and monitoring activities on European level. As most regulations had the origin in EU directives which later on had to become national laws our activities in Brussels are crucial for our business field.

It is imperative that the decision makers in Brussels understand and know about the importance of ambient heat used by heat pump technology for Renewable Energy Policy.

EHPA has today 56 members from 21 countries and acts as a spokesman with the European Parliament and Commission.

At present various directives are being discussed at European level, Directives which will be of decisive importance for the energy policy of the next decade. Here we are talking about the:

- Renewable Energy Directive,
- Energy Using Products Directive,
- Energy Performance for Buildings Directive and
- Eco-label Directive.

All of these directives have an influence on the market potential of heat pump technology and call for corresponding activity.

One of our achievements so far was the influence on the reading and wording of the current draft of the Renewable Directive: "Heat pumps will be part of the program". Another effort lies in establishing a schema for energy statistics taking into account renewable sources adequately.

Also we are convinced that ambient heat and heat pumps can contribute most to meet our goals in respect of renewables and environment we think that all other renewable energy sources are also of importance.

Our work providing information, e.g. in connection with the draft of the upcoming Renewable Directive, was very successful. The heat pump is part of this program. Currently we are endeavoured to influence the rewording of the Directive concerning energy statistics, because the heat pump has not been considered adequately.

The heat pump industry does not direct its work of providing information and advice at any other kinds of renewable energy. We are convinced that it is possible to achieve a trend reversal and to help to establish a breakthrough in renewable technologies. This reversal from fossil to renewable energy sources is necessary if we want to achieve the resource and climate targets and thereby look toward a future in which energy supply is possible for everyone without being at the expense of the environment and our climate. We can really achieve this change - and I am convinced that in the future the heat pump will constitute the biggest share of renewables in heat generation - and then the question will be: 'Why were the advantages of the heat pump as a solution to energy and climate challenges not recognized sooner?'

