CHP Combines Climate Protection and Economic Viability

The recent months were once more very intensive ones in Europe. Besides the ongoing war in Ukraine we saw a collapsing parliament in Germany, natural disasters such as the flood in Spain and the huge question what kind of impact the new US government will have on the European Union – be it in terms of defence, economy or international climate protection activities. However, at the very end all of the mentioned events are somehow linked to one another: People are aware of climate change and want to fight against it. For this purpose, technologies are needed that ensure a combination of climate protection and economic viability at the same time. A masterpiece of example which does exactly that is combined heat and power (CHP).

During recent European events on cogeneration, participants were given the feeling that cogeneration is "back on track" in the political landscape. Especially in combination with heat pumps it's nowadays seen again as a future solution that could be integrated into the clean industrial deal rather than an old fashioned technology. More and more policy makers – be in Europe or national parliaments – start to understand the role cogeneration can play in industrial competitiveness which is increasingly perceived as one of the core tasks of the European commission throughout entire Europe.

Besides the political discussion about the role of CHP in the energy mix of the future, the industry has made it's technological homework in the recent years in order to fit CHP into the energy mix of the future. With a strong focus on digitilisation, the use of renewable fuels such as hydrogen and flexible operation in combination with wind and solar energy, the technology serves as a kind of missing piece of a jigsaw. Moreover, Europe's energy system becomes more and more decentral. Hence, technical concepts and solutions need to be thought highly individual in order to meet on-site energy demand with on-site energy production in a most efficient way.

Think globally, act locally – this is what we need to have in mind in the future energy system. CHP can provide it's valuable contribution.

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