

Race to Zero

Decarbonization of industry! - But how?



Quelle: iStock

Extreme weather events in the last years have drastically demonstrated the impact of global warming: gigantic hurricanes like the one over East Africa, devastating forest fires like the ones in the USA and Australia, and further dramatic shrinking of the ice masses at the poles and in the glacier regions. According to the Intergovernmental Panel on Climate Change, the earth has already heated up by a good one degree compared to pre-industrial times. And the past four years have been the warmest since weather records began.

The decarbonization of industry poses an economic and technological challenge for every single company, regardless location, size or sector. In this context, awareness raising and knowledge transfer play a crucial role in the multiplication of technical solutions.

With "Race to Zero," the United Nations has launched a new initiative for more climate protection in the fight against global warming. The goal is the same for everyone: to reduce emissions of climate-damaging greenhouse gases to net zero by 2050 the latest. More than 120 countries have now pledged to become climate-neutral by 2050, i.e. to emit no more greenhouse gases such as CO₂ than are recaptured. "Race to Zero" encourages companies and regional governments to gain more experience, knowledge sharing and ambition in climate action.

Therefore, ISEC 2022 will discuss feasible solutions through an intensive exchange of experiences between pioneers and decision makers from the industry.

Date of the workshop: Wednesday 6th of April 2022 at 3 pm

Venue: Congress Graz Schmiedgasse 2, 8010 Graz

Registration: <https://www.conftool.org/isec2022/register.php>

Moderation: Dr. Gabriela Maria Straka, Member of Management Board BrauUnion Austria, AUT

Keynote speech: Decarbonization of the Austrian cement industry – technological solutions and socio-political framework; DI Claudia Dankl, Deputy CEO of Association of the Austrian Cement Industry, AUT

Panel discussion with representatives of the following companies:

Dr. Gerald Zanker BrauUnion Österreich

Mr. Ingolf Schröder AT&S (requested)

Dr. Franz Hörzenberger ArcelorMittal

Dr. Winfried Braumann REENAG

Mr. Stefan Schriebl Wietersdorfer AG

Mr. Peter Giffinger Saint-Gobain Austria GmbH und RespACT

The following topics will be addressed:

- What are the potential synergies of different renewable energy sources?
- Are there sufficient amounts of renewable energy available and accessible for the industry and can the role of energy efficiency be quantified?
- Is an allocation of different renewable energy sources (solar thermal, heat pumps, biomass, biogas, geothermal) to different sectors and processes applicable?
- What is the short- and mid-term perspective and role of new energy vectors (hydrogen, ammonia, green methane) in hybrid energy supply systems?
- How is hydrogen considered as climate neutral in terms of primary energy use?
- Best practice examples from industry – achievements and implementation strategies on the pathway towards a circular economy?



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