

Press Release

Hydrogen: a safe and sustainable energy supply for the European energy transition

Joint Booth of leading hydrogen associations in Europe
Hannover Messe 2018, Hall 27 - booth C51

The leading European hydrogen associations ([AFHYPAC](#), [DWV](#), [Hydrogen Europe](#), [H2Romania](#), [H2LV](#), [Hydrogen Sweden](#), [WaterstofNet](#)) join forces at this year's Hannover Fair to present the role and the benefits of hydrogen for the future energy system. With this coordinated approach the associations want to highlight the importance of hydrogen as enabler of a zero-emission society.

In this context, the Paris Agreement goals can only be achieved when, in addition to the electricity sector, the heat and transport sectors are also largely decarbonised. The transport sector shows that this poses major challenges for the European Member States.

To ensure that security of supply, climate protection and the energy industry economy are not endangered, the future energy system heavily relies on "Sectoral Integration". Hydrogen is a multi-talent due to its versatility being an energy carrier as well as a zero-emission fuel and a decarbonised chemical feedstock when produced from renewable sources.

Like no other source of energy hydrogen offers the possibility of temporal decoupling of renewable electricity supply and demand. In the future, this decoupling will be decisive for the profitability and security of supply of the European energy system. Additionally, hydrogen offers an industrial policy opportunity that should be exploited. In November 2017 McKinsey – together with the Hydrogen Council - published the study [Hydrogen Scaling Up](#) which concluded that over 30 million new jobs will be generated in the hydrogen production and efficient hydrogen use segment. The annual business volume is estimated at over 2,000 billion EUR. A prerequisite for the development of this huge market potential is the proactive design of legal framework conditions for an efficient sector coupling. Unfortunately, there is still a lack of a clear, future-oriented and reliable political strategy for the market introduction of Power-to-Hydrogen (PtH2) as the basis for sectoral integration in Europe.

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