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21st Century – The age of the Mega heat pumps

Abstract

50% of global energy consumption is used for heating, heat & cold production. Most of this energy is still coming from fossil fuels. But in the light of the climate targets set for 2030 and beyond, most of the processes <200°C already could be decarbonized today. And the best and sustainable technology for this are heat pumps. The technology is available and ready. But large-scale Mega heat pumps will not only be important for the heat transition but also for the overall energy transition. Learn how we can take advantage of synergies among different market participants. How to balance and stabilize the power grid. And how to leverage power overcapacities and reduce the power consumption and cost. Which available other sources can we take advantage of?