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Status and Prospect of EU Wind Energy, and 3020 Korea Renewable Energy

During last decade, wind energy has been in the spotlight as one of leading sources among various renewable energies such as solar, tide, biomass, hydropower, and geothermal. Since 2016, renewable energies in EU have been the highest contributor to electricity production surpassing fossil fuels and nuclear energy. Among them, wind energy generated about 11% of EU electricity demand and became the second largest form of power generation capacity in Europe after gas. IEA expects wind to become No. 1 source of power in Europe soon after 2030, which could nearly 30% of Europe’s power demand by 2030. In contrast to EU, South Korea generate about 7% electric power from renewable energy sources in 2016, and wind energy takes less than 0.5%. Recently new government announced 3020 plan to pursue energy security and fulfill environmental needs, which expect to boost renewable energy to 20 percent by the year of 2030. From this presentation, current status and forecast of wind energy in EU and Korea’s newly initiated 3020 plan will be explained.

since 2017	Research Associate at Fraunhofer IWES, Germany
2015 – 2017	Senior Engineer at Korea Aerospace Industries, Korea
2011 – 2014	Senior Manager at Samsung Heavy Industries, Korea
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