

# Daily Energy Markets

## Energy Transition

### VIEWS YOU CAN USE



#### **Dr. Christoph Noeres**

Head of Green Hydrogen  
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#### **Better Electrolyzers Key to Driving Down Cost of Green Hydrogen**

Further optimizing the electrolyzers technology by reducing the use of precious materials in it, as well as other materials, will help cut the costs and dependency when markets become disruptive. What we have seen over the last year is an unusual situation of the supply markets. We saw raw materials and precious metals reaching peaks that we have never seen before. A lot of companies are working on electrolysis technology, but the way forward is to spend more time and investment to further optimize the supply chain. We have 1GW of supply chain to manufacturing electrolysis technology today and we will expand that to around 5GW by 2026.

#### **Tight Collaboration Among Players**

As we are going into a completely new era - we need tight collaboration between industrial partners, operating companies, technology providers, and regulatory bodies in specific countries to make sure there are proper business cases. We need transport systems, hydrogen hubs, and pipelines - and those collaborations would be needed to make those significant investments. But the first phase will be investment in existing installations that would change from gray towards green hydrogen.

#### **Significant Growth of Assets**

Those small projects that have risen in the last two years from five to ten megawatt projects, will rise to multi-hundred-megawatt or even giga projects. It takes typically three to four years from the financing up to the final startup date of a plant. But in the next five years, we will see significant growth of projects coming online. Year by year, we will see green hydrogen getting more important as part of the overall energy mix around the world. ■

*\*Paraphrased Comments*

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