

Electricity sector's long-term vision towards hydrogen and sector integration

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## The future is electric. In 2050:



Electricity in Energy demand



2050



Electricity generation by renewable sources



# When electrification is not feasible or efficient?





~8-10% of final European energy demand





### Buildings:

2-3% H<sub>2</sub> Vs 71-84% electrification

2021



### Transport Sector:

11-18% H<sub>2</sub> Vs 46-58% electrification



#### Industries:

- Light industry: 2% H<sub>2</sub> Vs 71-84% electrification
- Medium industry: 17% H<sub>2</sub> Vs 40% electrification
- Heavy industry: 31% H<sub>2</sub> Vs 25% electrification



