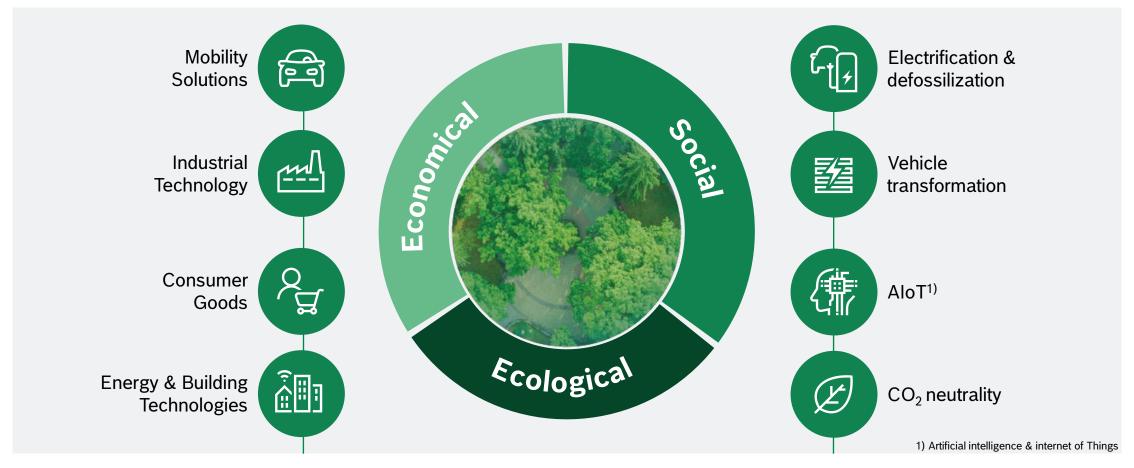




#### Our Bosch industry segments & strategic focal areas

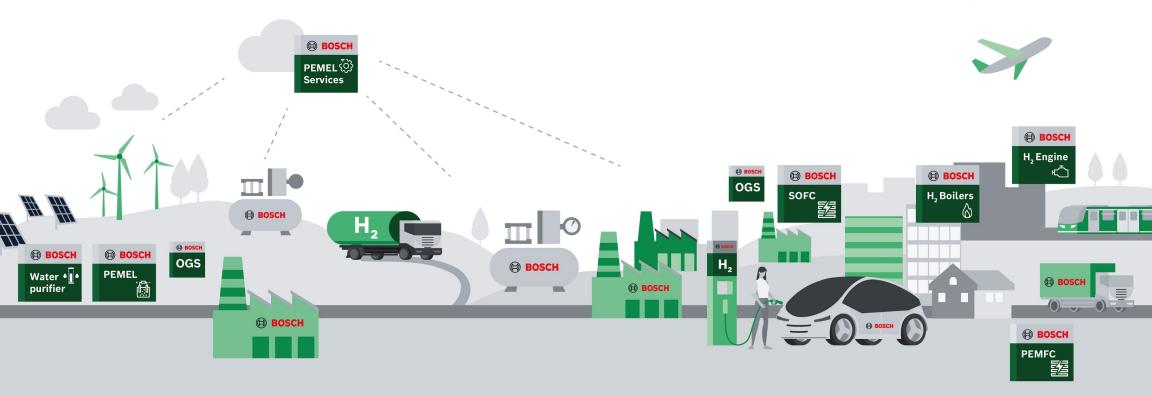






#### Bosch and the hydrogen economy





**Production** 

**Storage & Distribution** 

**Usage** 

PEMEL = Proton exchange membrane electrolysis; PEMEL Services = Electrolysis services
OGS = Optical Gas Spectrometer; SOFC = Solid oxide fuel cell; PEMFC = Proton exchange membrane fuel cell

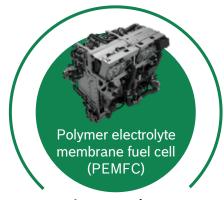


#### Bosch electrolysis & fuel cell portfolio







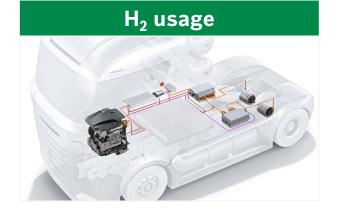


Automotive



Non-Automotive



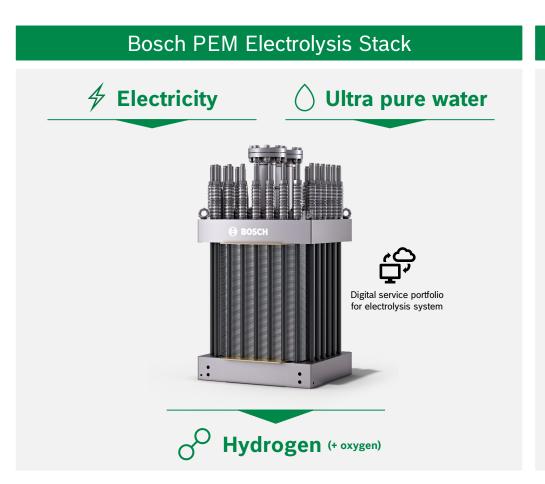






#### The Bosch PEM Electrolysis Stack as efficient heart of electrolysis





#### Performance







All values are subject to development activities & provided on a nonreliant basis.

- 1) Beginning of life; 2) At partial load; 3) Levelized cost of hydrogen;
- 4) Pre-assembled modules on steel frame

#### Customer benefits

- Standardized design for scaling-up electrolyser solutions
- Enabling lowest LCOH<sup>3)</sup> due to high volume production and efficient stack design
- High quality and reliability due to production according to automotive standards
- Lowest integration & commissioning effort through compatibility with existing container and skid<sup>4)</sup> designs



#### Differentiation is what defines us



#### **Overall challenges**

Strong technical & financial partnerships for large-scale investment

Available performance guarantees vs. project risk profiles

Reliable, high-quality & repetitive availability of electrolysis capacity



#### **Bosch strenghts**

Global footprint, network & industry expertise

Industrialized design & production excellence

Fully concentrated customer orientation during entire project life-cycle



#### Maximum scaling effects by best fit for key applications



## Containerized solutions



From 1.25 MW to 5 MW per container

Up to four stacks in series connection



### Plant solutions



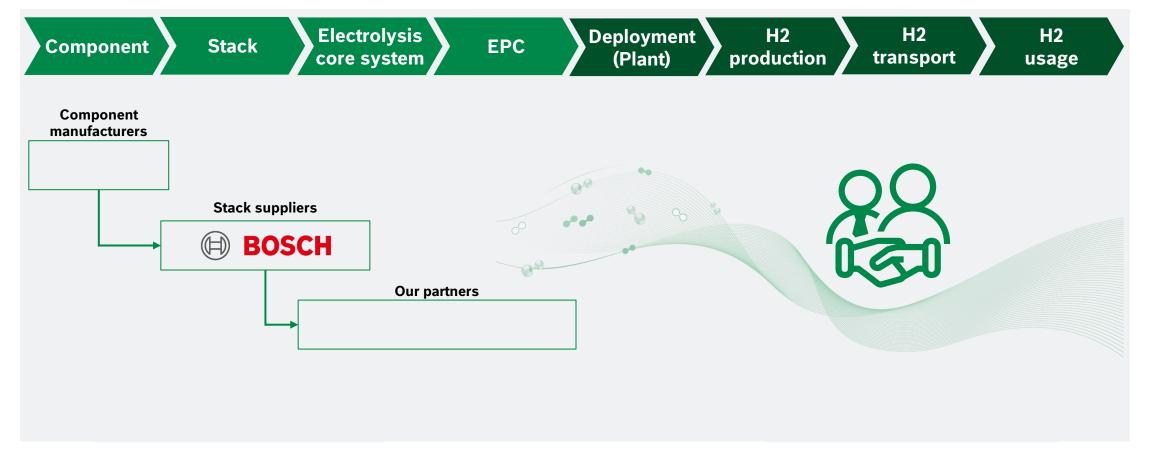
For hydrogen plants from 10 to 1000 MW

Scaled skid mounted modules 5 MW or 20 MW



#### Key for success: Partnerships along the electrolyzer value chain



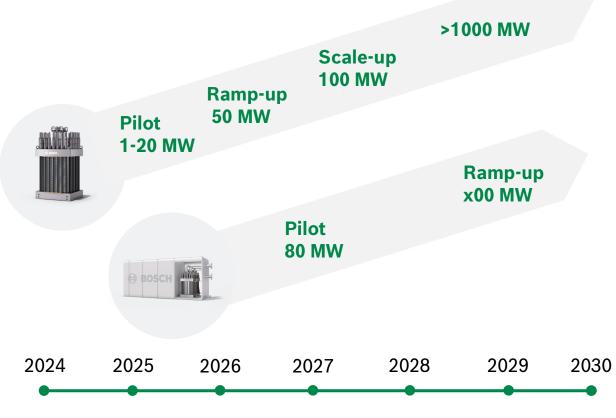




# Scale-up with innovation partners for mass production concept



**BOSCH** 



#### **Summary**





Bosch's innovative electrolyzer technology is based on **over 100 years experience** in **industrialization** and **scaling** 



Sky-rocketing **market potential** for electrolysis – based on our **eays to adapt solutions**, we help to **grow** your business



Focus on both, CAPEX and OPEX optimization – target is to achieve attractive LCOH & TCO



Let's explore joint market opportunities through reliable & strong partnerships



## Thank you for your interest!

Happy to meet you at our booth 1B+2B



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