

Hydrogen : HYDROCOST

*(Hydrogen Cost breakdown
model - Electrolyser)*

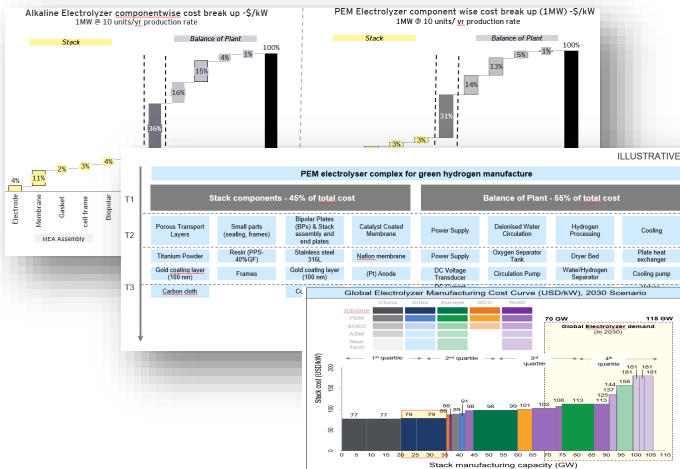
Discussion deck

June 2024

Prepared for _____

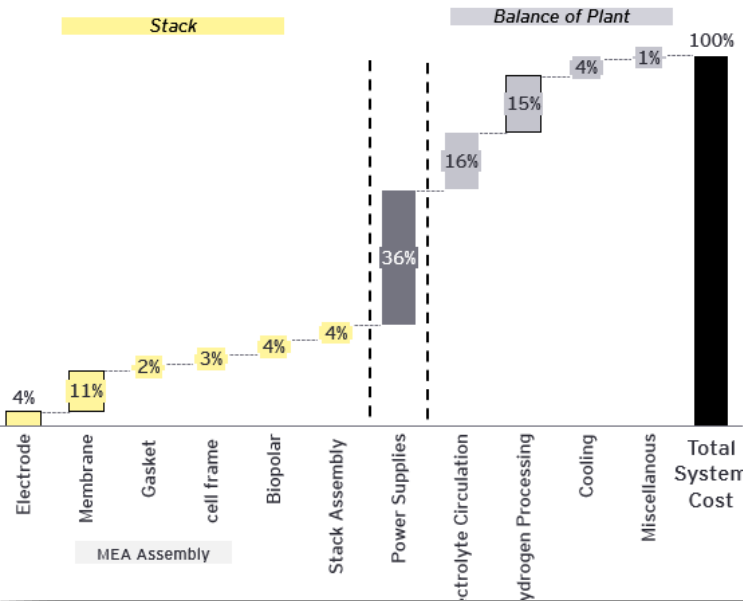
HYDROCOST: Developed to support clients in the journey towards implementation

EY-P Hydrogen Cost breakdown Model (EY HYDROCOST)

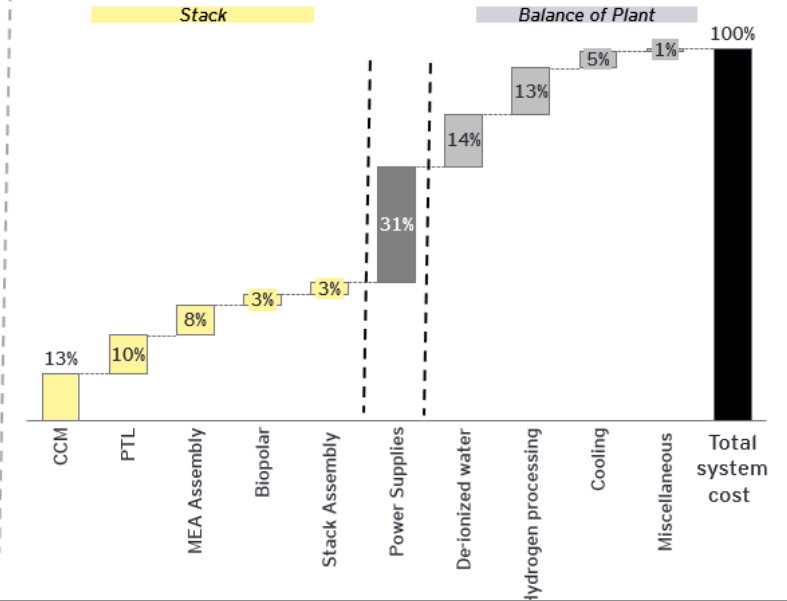


- ▶ **Cost breakdown** – Key components such as electrolyser broken down into Tier 1/2/3 components
- ▶ **Local value addition and indigenisation** – Based on suppliers identified from similar industries for local supply ecosystem

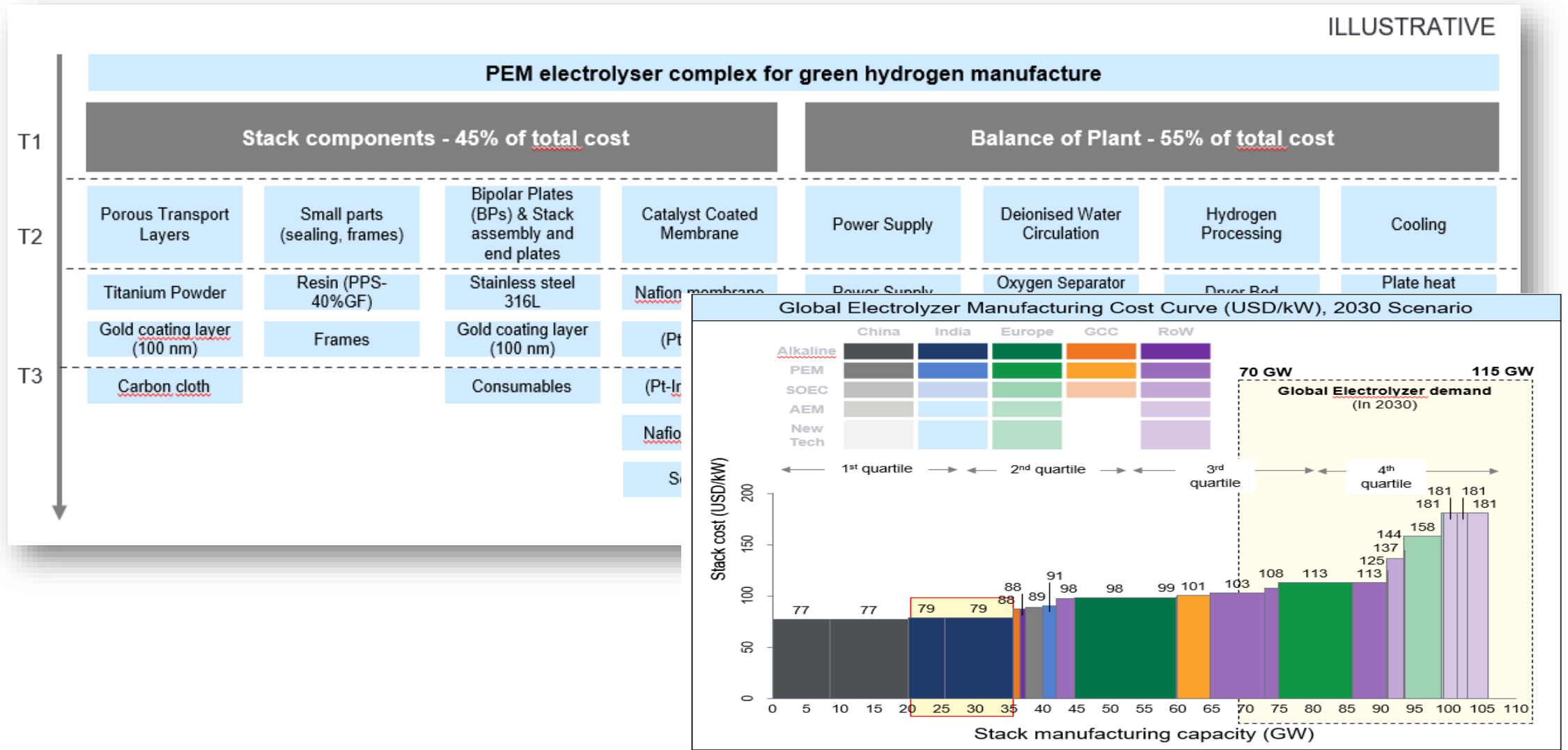
Alkaline Electrolyzer componentwise cost break up -\$/kW
1MW @ 10 units/yr production rate



PEM Electrolyzer component wise cost break up (1MW) -\$/kW
1MW @ 10 units/yr production rate



Cost Breakdown: Electrolyser cost breakdown to Tier-1,2,3 components ; including demand supply projections for 2030 based on geography



Ernst & Young LLP

EY | Building a better working world

EY exists to build a better working world, helping to create long-term value for clients, people and society and build trust in the capital markets.

Enabled by data and technology, diverse EY teams in over 150 countries provide trust through assurance and help clients grow, transform and operate.

Working across assurance, consulting, law, strategy, tax and transactions, EY teams ask better questions to find new answers for the complex issues facing our world today.

EY refers to the global organization, and may refer to one or more, of the member firms of Ernst & Young Global Limited, each of which is a separate legal entity. Ernst & Young Global Limited, a UK company limited by guarantee, does not provide services to clients. Information about how EY collects and uses personal data and a description of the rights individuals have under data protection legislation are available via ey.com/privacy. EYG member firms do not practice law where prohibited by local laws. For more information about our organization, please visit ey.com.

About EY-Parthenon

EY-Parthenon teams work with clients to navigate complexity by helping them to reimagine their eco-systems, reshape their portfolios and reinvent themselves for a better future. With global connectivity and scale, EY-Parthenon teams focus on Strategy Realized – helping CEOs design and deliver strategies to better manage challenges while maximizing opportunities as they look to transform their businesses. From idea to implementation, EY-Parthenon teams help organizations to build a better working world by fostering long-term value. EY-Parthenon is a brand under which a number of EY member firms across the globe provide strategy consulting services. For more information, please visit ey.com/parthenon.


Ernst & Young LLP is one of the Indian client serving member firms of EYGM Limited. For more information about our organization, please visit www.ey.com/en_in.

Ernst & Young LLP is a Limited Liability Partnership, registered under the Limited Liability Partnership Act, 2008 in India, having its registered office at Ground Floor, Plot No. 67, Institutional Area, Sector - 44, Gurugram - 122003, Haryana, India

© 2023 Ernst & Young LLP. Published in India.
All Rights Reserved.

This publication contains information in summary form and is therefore intended for general guidance only. It is not intended to be a substitute for detailed research or the exercise of professional judgment. Neither EYGM Limited nor any other member of the global Ernst & Young organization can accept any responsibility for loss occasioned to any person acting or refraining from action as a result of any material in this publication. On any specific matter, reference should be made to the appropriate advisor.

ey.com/en_in

 @EY_India  EY  EY India  EY Careers India  @ey_indiacareers