

AVAADA

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HYDROGEN – RISK ASSESMENT  
DEVELOPERS PERSPECTIVE



# JOURNEY/ MILESTONES

**Avaada** is a leading player in Indian solar space and its glorious journey in the last decade comprised of many 'firsts' in the sector

**2011**

Commissioned 15 MW solar project in Gujarat followed by 5 MW each in Rajasthan, Andhra Pradesh & Gujarat.



**2012**

Commissioned India's largest single location solar project i.e. 55 MW Rajasthan and 30 MW solar project in Gujarat.



**2013**

Collaboration with ADB, DEG and GE as equity investors.

- Commissioned Asia's largest and World's 2nd largest solar project of 151 MWp in Madhya Pradesh.



**2014**

Our entry into self development of wind project with 126 MW Wind project in Rajasthan.



**2016**

Provided successful exit to investors with sale of operational portfolio of ~1.2 GW to Tata power.

- Demerger and rechristening of company to Avaada Energy.
- Capacity addition of 300 MW in first year.



**2021**

Equity fund raise from GPSC – PTT Thailand.



**2019**

Awarded pipeline ~2.2 GW created.

- Equity fund raise of USD 150 Mn from Investors and Promoter's family office.



**2023**

Secured over USD 1 Bn investment from Brookfield.



**2026**

Targeted installed Renewable Energy capacity of 11 GW by 2026.

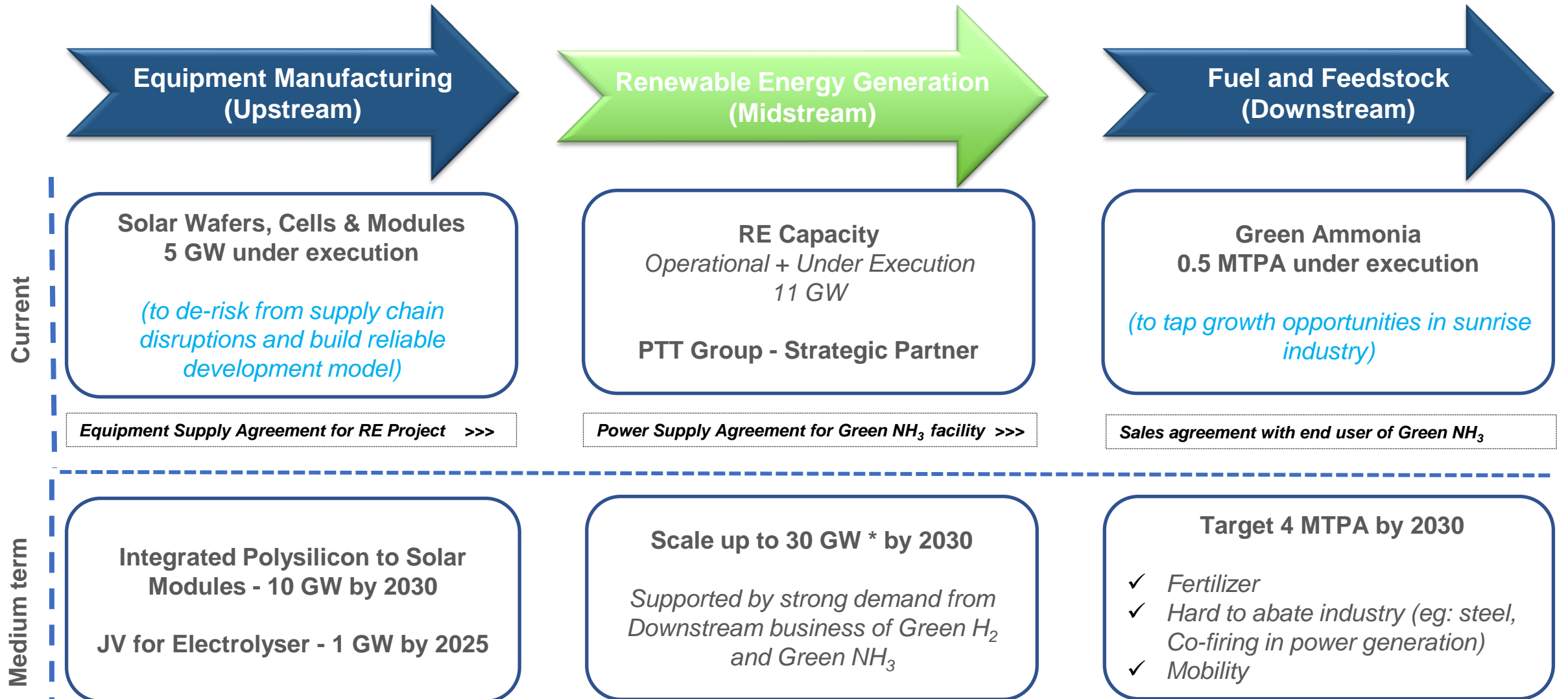


**2030**

Targeted installed Renewable Energy capacity of 30 GW by 2030.



# AVAADA GROUP – A SAND TO MOLECULE CONGLOMERATE



# GREEN HYDROGEN - PROJECT RISKS – DEVELOPERS VIEW – CONSTRUCTION PHASE

## FINANCING RISKS

- Equity / Debt (Commercial / Concessional) / Working Capital / Interest Rates

## TECHNOLOGY RISK

- Technology Selection for Electrolyzer / RE Block

## EXECUTION RISK

- Land / EPC Contract / Approval

## POLICY / REGULATORY RISK

- Regulation related to Power Banking / Export / Domestic Off-take

## MARKET RISK

- Offtake Risk / Quantum / Price / Domestic Off-take

# GREEN HYDROGEN - PROJECT RISKS – DEVELOPERS VIEW – OPERATIONAL PHASE

## OPERATING RISK

- RE Power Source / Power Banking / Water / Plant O&M / Generation Risk / Storage

## TECHNOLOGY RISK

- Obsolescence Risk / Impact on Pricing / Storage

## POLICY / REGULATORY RISK

- Domestic Mandates / Global Subsidy Regime / Export Regulation (SEZ / EOU)

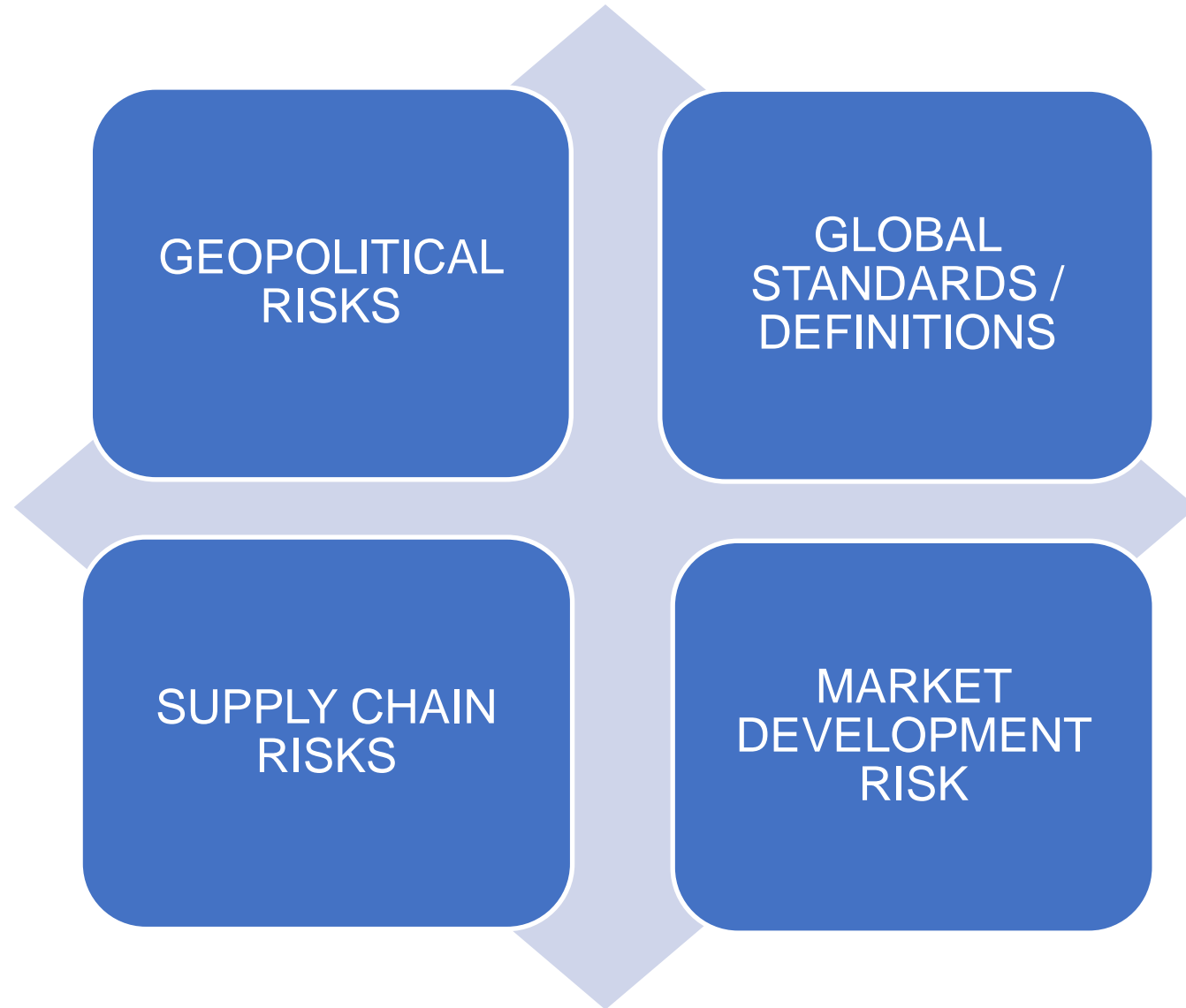
## FINANCIAL RISKS

- Working Capital / Interest Rate Cycle / Forex Risk / Insurance Risk / Counter Party Risk

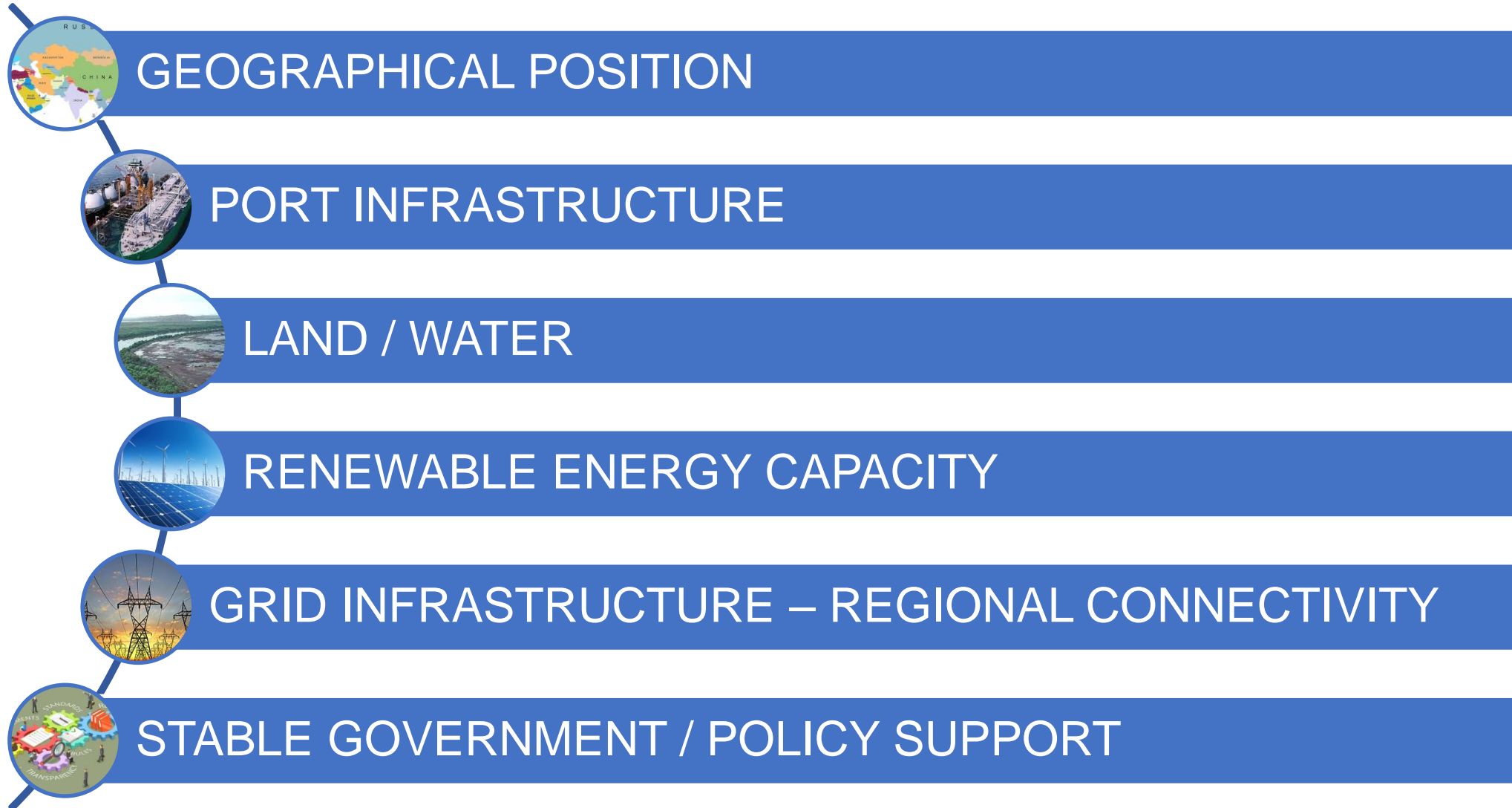
## MARKET RISK

- Offtake Risk / Quantum / Price / Domestic Off-take / Demand

# GREEN HYDROGEN - PROJECT RISKS – GLOBAL MACROS



# GREEN HYDROGEN – SOUTH ASIA – POSITIVES FOR COLLABORATION





AVAADA

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**THANK YOU!**