

Target different sectors across phases to facilitate large-scale Green H₂ consumptions

1 Near-term: Focus on rapid GW scale



Refining



Fertilizer

2 Mid-term: Testing for new appl.



City Gas Distribution



Steel (gas-based DRI)

3 Long-term: Sector unlocks



Power



Heavy Duty Trucks

Pilot testing & R&D



Demand-side/
new use-cases



Production
technology



H₂ economy
ecosystem



Renewable
power

Near term: Focus on rapid GW scale



Target sectors



Refining



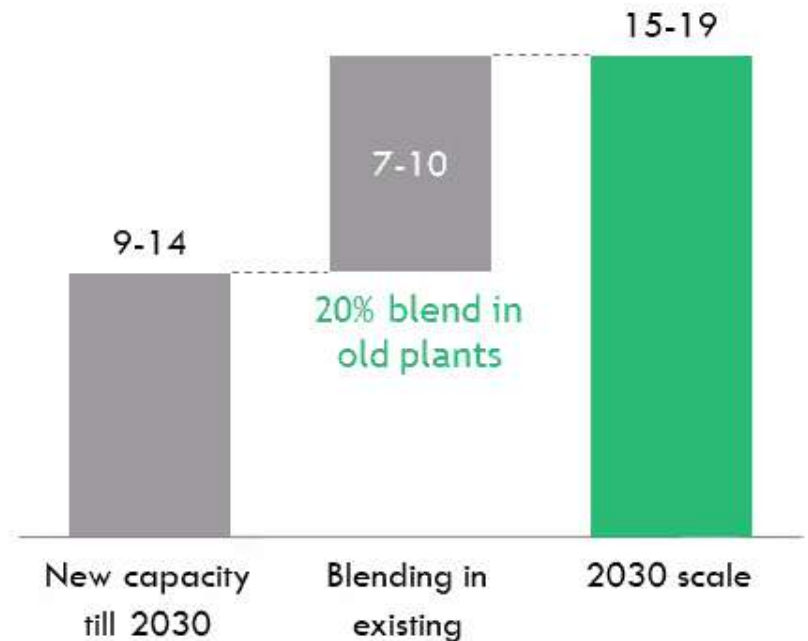
Ammonia



Action items

- **Action 1:**
 - 100% Green H₂ in new urea & refining capacity
- **Action 2:**
 - Blending mandate for old plants in urea & refining
- **Action 3:**
 - Green ammonia for exports

Electrolyzer scale (GW)



Medium term: Testing for new applications



Target sectors



Gas
blending



Steel
(Gas DRI)



Near-term actions to build scale in mid-term

Gas blending:

Investing in R&D & pilot for:

- Impact testing & H₂ blend limit in existing infra
- Ecosystem & business model development
- Design of equipment for higher blends

Steel:

- Scale investment & promote installations in gas-based DRI tech
- Export opportunities
- Implement carbon pricing/ taxes for competitiveness against coal-based technologies (Blast furnace, coal DRI)

Long term: Sector unlocks for emerging applications



Target sectors



Mid-term actions for viability & scale in long-term



Power

Power:

- Seasonal Energy Storage
- Using Hydrogen in gas generators

Heavy-duty Trucks:

- Establish network of H₂ refueling stations across highways & cities
- Business model design for H₂ dispensing
- Corridors for long-haul vehicles



HDT

Conclusion

Green Hydrogen is the
Next Big Opportunity

It's time for proactive
investment to reap multi-
decade benefits

