



Building a low carbon energy business
with traceable emissions across the
value-chain

2020-22

Early market development

Shipment of B-NH₃ to Japan

First H₂ and NH₃ "blue" certifications by TUV Rheinland

Gauge market opportunities and regulatory environment

2023-27

Brownfield expansion

Develop CCS capabilities

Leverage SABIC NH₃ capabilities for early market entry

2028-30

Blue NH₃ Hub

10 Millions tons of B-NH₃

Reliable, Sustainable, Affordable

Best-in-class technology and CCS capabilities

Global focus into energy, fertilizers, mobility and chemicals

Beyond 2030

Clean H₂ Growth

Optimize operations

Leverage established presence to grow green and blue

Evolve with regulatory changes

Aramco's roadmap for clean hydrogen

H₂ and NH₃ end-to-end value chain:



Tracking, Monitoring and Reducing & Capturing GHG Emissions

Regulatory Compliance

- Align to regulatory requirements in key markets (i.e. Japan)
 - Carbon intensity boundaries
 - Certifications standards
 - Regulations developments
- Establish infrastructure and capabilities for low carbon H₂ & NH₃ to be a reliable source of energy

Transparency Disclosure

- End-to-end value chain
- Transparency leads to continuous improvement

Regulatory
roles for a
developed
infrastructure

