

Experience and innovation in hydrogen gas supply

3rd March 2021

SAPIO... A CENTURY-LONG VISION OF SUSTAINABILITY

1922 foundation of SAPIO (Società Anonima Produzione Idrogeno Ossigeno)

Since 1998... first tests on hydrogen mobility
2005 creation of H2IT

2015 Presidency of Hydrogen Mobility Italy

2019 disinvestment on polluting refrigerants

2018
Presidency of H2IT
Launch of biomethane initiative
Launch of internal sustainability project

2020 Clean Hydrogen Alliance

«Climate change is giving us an important message and teaching. It is teaching us respect for the environment and its rules. Sustainability is a fundamental boost for economic recovery thanks to the opportunities that hydrogen can give us and which will significantly impact our future»
Alberto Dossi, President of Sapio Group

«WE HELP OUR CUSTOMERS TO MAKE THE WORLD GREENER»

51% Progefin S.p.A.,
holding of Italian families

49% Air Products and Chemicals Inc.,
international company listed in the NYSE

551,4

2019 turnover (€MM)

49,7

2019 investments (€MM)

1.800

Employees

2

Core business:
Industry | Healthcare

45 | 130

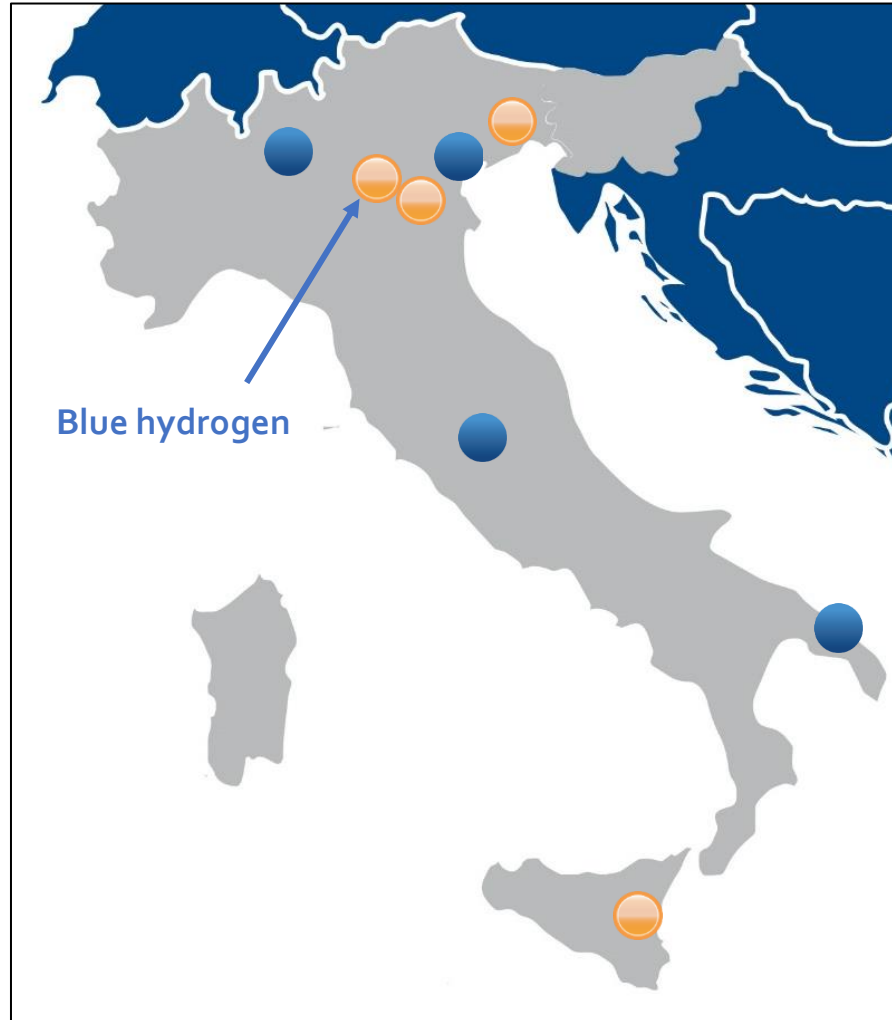
Companies | Agencies

6

Countries: Italy, Germany,
France, Slovenia, Turkey,
Spain

OUR PLANTS

- **ASU**
Porto Marghera
Orte
Caponago
Brindisi
- **H2 PRODUCTION**
Catania
Mantova
Castelmasa
Torviscosa



GREEN HYDROGEN

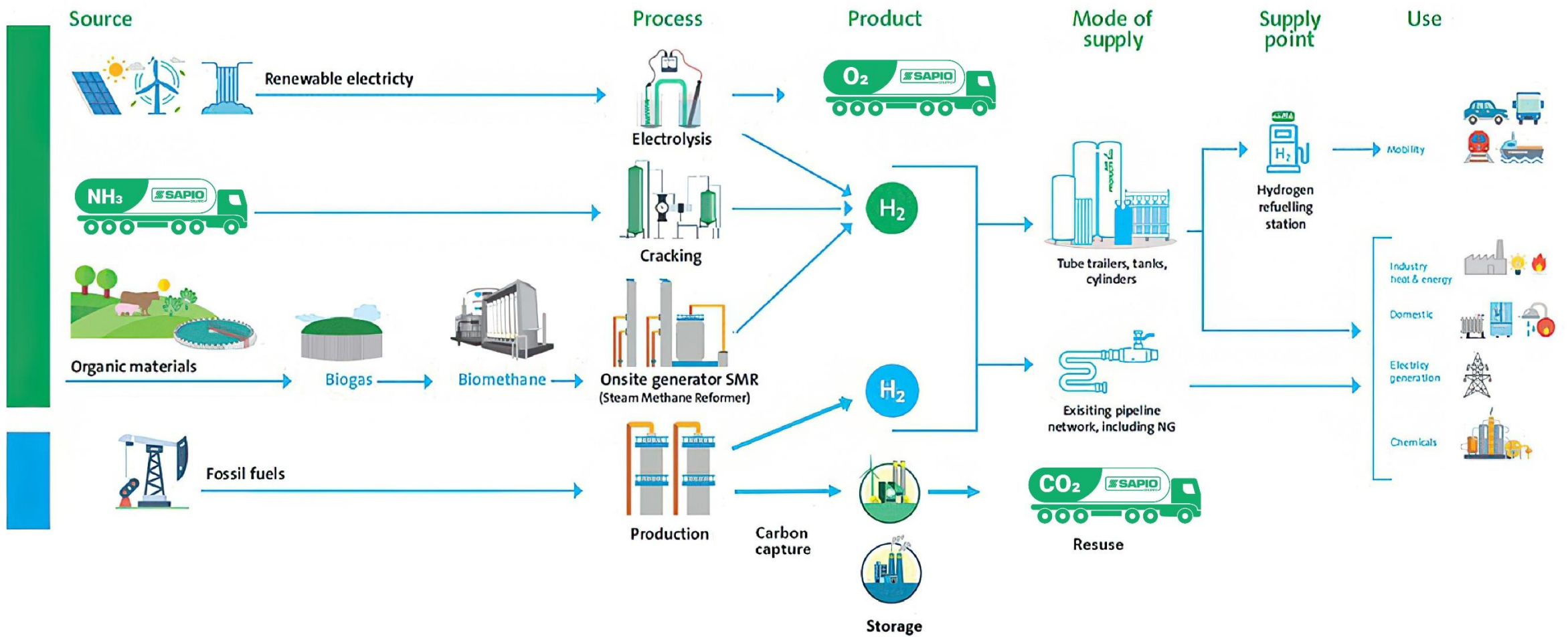
PRODUCTION, TRANSPORT AND DEVELOPMENT OF END USES IN THE FIELD OF ENERGY TRANSITION AND SUSTAINABLE MOBILITY

Active on several initiatives in Italy

Sapió is an **investor in the entire value chain**, from the production to the distribution plant at end-user facilities in different application fields (mobility, industry), and an **operator of the equipments** (production plants and refueling stations).

HYDROGEN VALUE CHAIN

Sapio covers all methods of production and distribution of H₂ up to refueling stations (directly or through its partner Air Products)



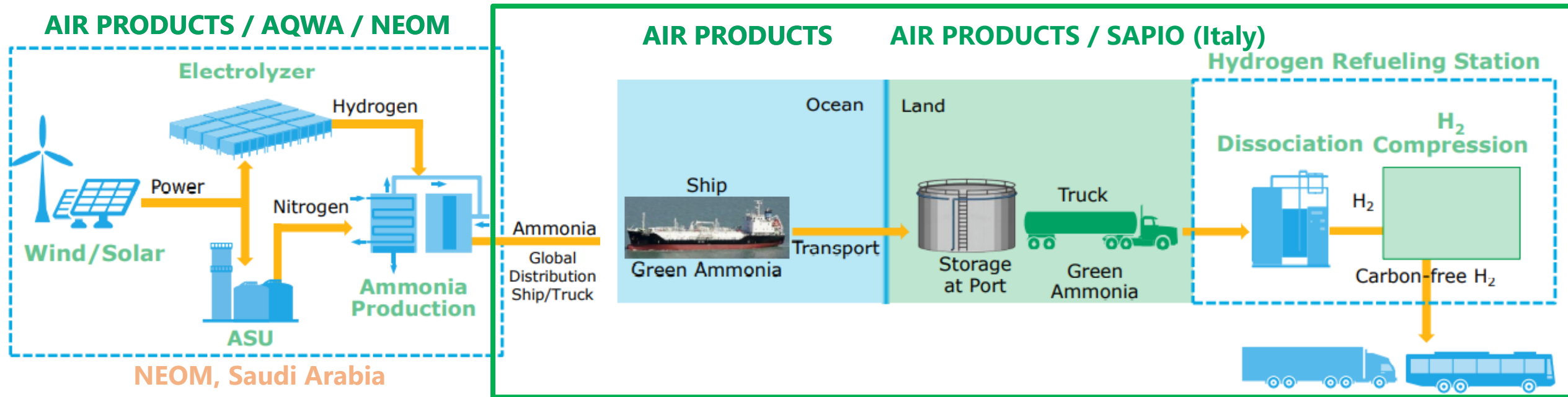
HIGH PRESSURE TRANSPORT TECHNOLOGY



- 300 to 500 bar gaseous hydrogen transport
- Over 10 years experience of 500 bar distribution
- From 250 kg to 1,000 kg+ payload
- Modular configurations



AMMONIA AS CARRIER FOR LONG-DISTANCE TRANSPORTATION



After four years of development, **Air Products, ACWA Power and NEOM** have made the decision to move forward with a **\$7 billion** project to produce and deliver **carbon-free hydrogen** to power **buses and trucks** around the world. **Sapio** is developing the Italian ammonia supply chain.

650 MTD Green H₂ by 2025

Hydrogen Supply

High pressure tube trailers



Ammonia trucks



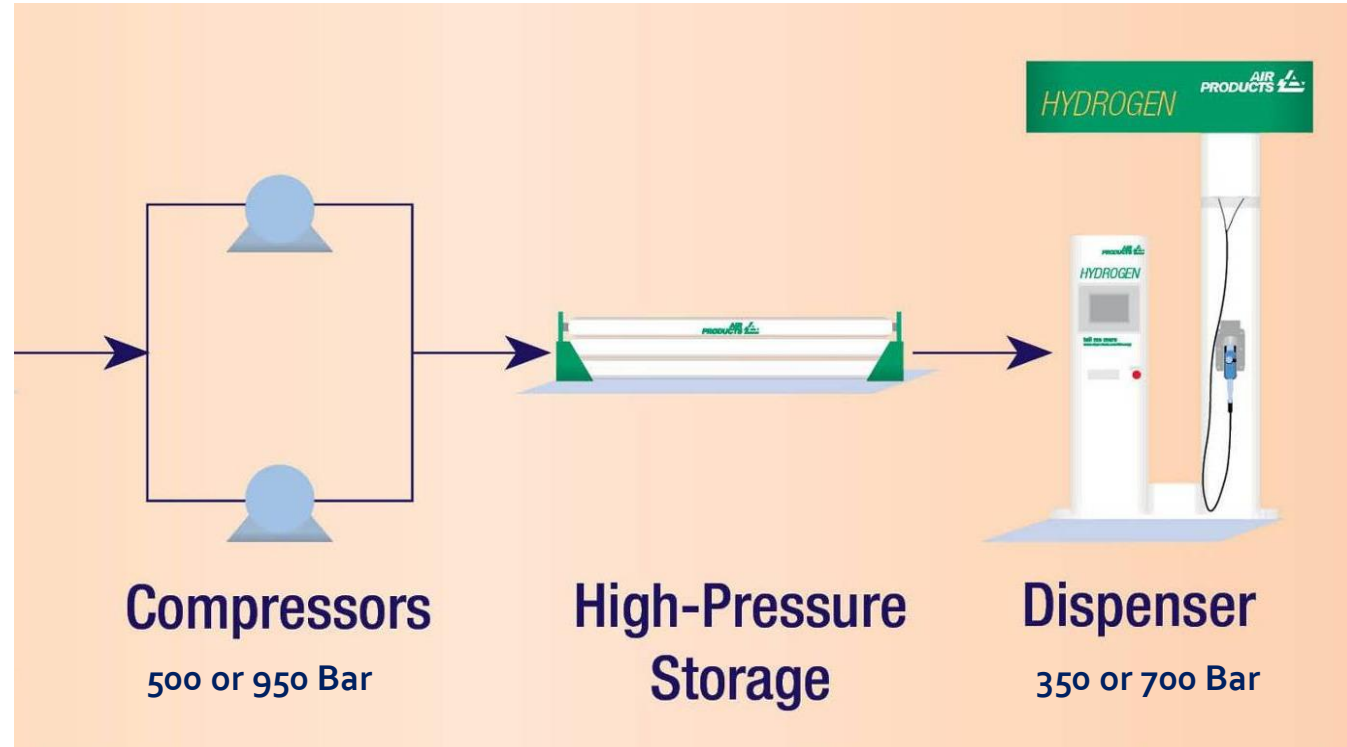
High pressure ISO containers



On-site production



From 1993, 250+ projects of refuelling stations worldwide



50+ patents
~10 million fills over 15 years