

The projects of ABIHV member companies

ABIHV is the driving force that connects science, industry, and society to transform the potential of green hydrogen into a strategic reality for the energy transition and Brazil's sustainable leadership on the global stage. Comprising companies that operate across the entire green hydrogen value chain, ABIHV coordinates efforts to position Brazil as a global reference in the energy transition. Discover the projects with Final Investment Decision (FID) that are beginning to shape this future in the coming years.

Projects for the coming years: FID by 2030

The planned investments for these projects exceed USD 22 billion¹, with a combined electrolysis capacity of 10.4 GW. Several projects have also been selected through different public support and incentive mechanisms.

FID is a crucial project-development milestone, marking the transition from planning to implementation. At this stage, financial resources are committed to equipment purchases, engineering contracts, and other obligations.



- Location:** Macau, Pendências and Guamaré, Rio Grande do Norte
- Jobs (Construction):** 4,640
- Investment:** USD 2.06 billion²

- Product:** Green Ammonia
- Electrolysis capacity:** 500 MW
- Annual production:** 430,000 tonnes
- COD:** 2032



- Location:** Uberaba, Minas Gerais
- Jobs (Construction):** 2,000
- Investment:** USD 1.12 billion
- Product:** Green Ammonium Nitrate
- Electrolysis capacity:** 300 MW
- Annual production:** 530,000 tonnes

- The project is listed on the Brazil Climate and Ecological Transformation Investment Platform (BIP) and was selected by the ITA**
- Milestones achieved:** 22% of the offtake volume is covered by binding agreements; more than 30% is under advanced negotiation; FEED began in December 2025
- FEED³ began in August 2026**



- Location:** Complexo do Pecém, Ceará
- Jobs (Construction):** 4,600
- Investment:** USD 2.3 billion
- Product:** Green Ammonia
- Electrolysis capacity:** 1.2 GW

- Annual production:** 400,000 tonnes (phase 1) + 400,000 tonnes (phase 2)
- Pending approval under the New PAC**
- The project is listed on the Brazil Climate and Ecological Transformation Investment Platform (BIP)**
- Investment in renewable energy:** USD 2.5 billion



- Location:** Bahia
- Jobs (Construction):** 1,000
- Product:** e-Methanol
- Electrolysis capacity:** 100 MW

- Annual production:** 80,000 tonnes
- Current phase:** The engineering and electrical studies completed
- COD 2031**



- Location:** Complexo do Pecém, Ceará
- Jobs (Construction):** 650
- Product:** Green Ammonia
- Electrolysis capacity:** 200 MW

- Annual production:** 170,000 tonnes
- Current phase:** Site reservation at the Port of Pecém, with engineering, electrical, and environmental studies in progress. COD: 2031

Location: Porto de Suape, Pernambuco
Jobs (Construction): 300
Investment: USD 0.38 billion
Product: e-Methanol
Electrolysis capacity: 150 MW
Annual production: 100,000 tonnes

The project was selected by the Industrial Transition Accelerator (ITA)
Milestones achieved: preliminary environmental license and water abstraction permit obtained
COD: 2028

Fortescue

Location: Complexo do Pecém, Ceará
Jobs (Construction): 8,920
Investment: USD 3.37 billion
Product: Green Hydrogen
Electrolysis capacity: 1.2 GW
Annual production: 170,000 tonnes

Pending approval under the New PAC program
The project is listed on the Brazil Climate and Ecological Transformation Investment Platform (BIP) and was selected by the ITA
Milestones achieved: feasibility studies; licensing and authorizations; fieldwork

frv

Location: Complexo do Pecém, Ceará
Jobs (Construction): 5,000
Investment: USD 3.47 billion

Product: Green Ammonia
Electrolysis capacity: 500 MW
Annual production: 400,000 tonnes

frv

Location: Complexo do Pecém, Ceará
Jobs (Construction): 650
Investment: USD 1.12 billion

Product: Green Ammonia
Electrolysis capacity: 1.5 GW
Annual production: 1,200,000 tonnes

Qair

Location: Complexo do Pecém, Ceará
Jobs (Construction): 5,700
Investment: USD 3.32 billion
Product: Green Hydrogen, Ammonia, and Oxygen
Electrolysis capacity: 2.52 GW

Annual production: Liberté – 1,680,000 tonnes of Green Ammonia, 296,000 tonnes of Green Hydrogen, and 2,353,000 tonnes of Oxygen
COD: COD Fraternité: 2031
Projects: Fraternité and Liberté

Qair

Location: Porto de Suape, Pernambuco
Jobs (Construction): 5,000
Investment: USD 2.94 billion
Product: Green Hydrogen, Ammonia, and Oxygen
Electrolysis capacity: 2.24 GW

Annual production: 1,680,000 tonnes of Green Ammonia, 296,000 tonnes of Green Hydrogen and 2,353,000 tonnes of Oxygen
Project: Suape

VALE

Location: Maranhão, Brazil
Investment: USD 2.00 billion
Product: HBI (Hot Briquetted Iron)
Annual production: 1.35 million tonnes
BIP and Global Gateway

Estimated emissions reduction of approximately 80% compared to the conventional production route
Milestones Achieved: Feasibility studies and conceptual design completed
Project name: Hydeas

The Brazil Climate and Ecological Transformation Investment Platform (BIP) is an initiative of the Brazilian government that aims to attract international investment in energy-transition and decarbonization projects. **The Industrial Transition Accelerator (ITA)**, launched by the Government of the United Arab Emirates and Bloomberg Philanthropies, focuses on promoting global industrial decarbonization. **The New PAC** is a Brazilian federal investment program designed to drive development nationwide, including through energy-transition and energy-security projects. **The Brazilian Development Bank (BNDES)** and the **Funding Authority for Studies and Projects (FINEP)** are responsible for selected support mechanisms for national development.