

# 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.

## The first large-scale projects: FID in 2026

The investments planned for these projects exceed BRL 63 billion, with a combined electrolysis capacity of 6.15 GW. In addition, some have been selected through various support and incentive mechanisms.

The FID is a crucial milestone in the development of a project, marking the transition from the planning phase to implementation.

It is at this stage that financial resources are allocated for equipment purchases, the signing of engineering contracts, among other commitments.

### ATLAS AGRO

- Location:** Uberaba, Minas Gerais
- Employments:** 2,000 (construction)
- Investment:** BRL 6 billion
- Product:** Nitrogen fertilizers

- Electrolysis capacity:** 300 MW
- Annual production:** 530,000 tonnes
- The project is listed on Brazil Climate and Ecological Transformation Investment Platform (BIP) and was selected by the ITA**

### casadosventos

- Location:** Complexo do Pecém, Ceará
- Employments:** 4,600 (construction)
- Investment:** BRL 12 billion
- Product:** Green Ammonia
- Electrolysis capacity:** 1,2 GW

- Annual production:** 900,000 tonnes
- Under New Growth Acceleration Program (Novo PAC) review**
- The project is listed on Brazil Climate and Ecological Transformation Investment Platform (BIP)**
- Investment in renewable energy:** BRL 13 billion

### EUROPEAN ENERGY

- Location:** Porto de Suape, Pernambuco
- Employments:** 300 (construction)
- Investment:** BRL 2 billion
- Product:** Methanol

- Electrolysis capacity:** 150 MW
- Annual production:** 100,000 tonnes
- The project was selected by the Industrial Transition Accelerator (ITA)**

### Fortescue

- Location:** Complexo do Pecém, Ceará
- Employments:** 8,920 (construction)
- Investment:** BRL 18 billion
- Product:** Green Hydrogen
- Electrolysis capacity:** 1.2 GW
- Annual production:** 170,000 tonnes

- Under New Growth Acceleration Program (Novo PAC) review**
- The project is listed on Brazil Climate and Ecological Transformation Investment Platform (BIP) and was selected by the ITA.**
- COD:** 2nd half of 2029
- Milestones achieved:** feasibility studies; licensing and authorizations; fieldwork

### frv

- Location:** Complexo do Pecém, Ceará
- Employments:** 3,000 (construction)
- Investment:** BRL 6 billion
- Product:** Green Ammonia

- Electrolysis capacity:** 500 MW
- Annual production:** 400,000 tonnes
- COD:** 1st phase - 2nd half of 2029

### Qair

- Location:** Complexo do Pecém, Ceará
- Employments:** 5,700 (construction)
- Investment:** BRL 17.7 billion
- Projects:** Fraternité and Liberté
- Product:** 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 Fraternité – 252,000 tonnes of Oxygen
- COD:** Fraternité – 2028  
Liberté – 2030 (phased ramp-up until 2036)

### vItalia

- Location:** Complexo do Pecém, Ceará
- Employments:** 1,400 (construction)
- Investment:** BRL 2.7 billion\*

- Product:** Green Ammonia
- Electrolysis capacity:** 280 MW
- Annual production:** 250,000 tonnes

\*Original amount in USD converted at an exchange rate of 5.54 BRL Information provided by member companies (July 2025).

# Projects for the coming years: FID in 2027–2029

Between 2027 and 2029, investments will exceed BRL 44 billion<sup>1</sup>, adding 4.61 GW of electrolysis capacity.

## 2027



- Location:** Macau, Pendências and Guamaré, Rio Grande do Norte
- Employments:** 4,640 (construction)
- Announced investment:** BRL 11 billion<sup>1</sup>

- Product:** Green Ammonia
- Electrolysis capacity:** 500 MW
- Annual production:** 430,000 tonnes
- COD:** 2031



- Location:** Bahia
- Employments:** 1,000 (construction)
- Product:** E-methanol

- Electrolysis capacity:** 170 MW
- Current phase:** Start of conceptual engineering and electrical studies

## Qair

- Location:** Porto de Suape, Pernambuco
- Employments:** 5,000 (construction)
- Investment:** BRL 15.71 billion
- Product:** 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
- COD:** 2030 (phased ramp-up until 2036)
- Project:** Suape

## 2028 e 2029



- FID 2028**
- Location:** Complexo do Pecém, Ceará
- Employments:** 580 (construction)
- Product:** e-fuels

- Electrolysis capacity:** 200 MW
- Current phase:** MOU and pre-contract for land lease signed with the Port of Pecém. Conceptual engineering study completed and electrical studies underway



- FID 2029**
- Location:** Complexo do Pecém, Ceará
- Employments:** 5,000 (construction)
- Investment:** BRL 18 billion

- Product:** Ammonia
- Electrolysis capacity:** 1.5 GW
- Annual production:** 1,200 tonnes
- COD:** 2nd Phase – 2032

The **Brazil Climate and Ecological Transformation Investment Platform (BIP)** is an initiative from the Brazilian government that aims to attract international investment for energy transition and decarbonization projects.

**Industrial Transition Accelerator (ITA):** A platform launched by the government of the United Arab Emirates and Bloomberg Philanthropies, focused on promoting global industrial decarbonization.

**New Growth Acceleration Program (Novo PAC):** An investment program coordinated by the federal government that provides credit for key infrastructure projects, including those under the “energy transition and security” axis.

Brazilian Development Bank (**BNDES**) and Funding Authority for Studies and Projects (**FINEP**): Responsible for some of the main funding mechanisms supporting national development.

<sup>1</sup> - The announced investment amount includes a wind farm, a solar power plant, and a dedicated port terminal.