



# Green Hydrogen Industry potential in Brazil

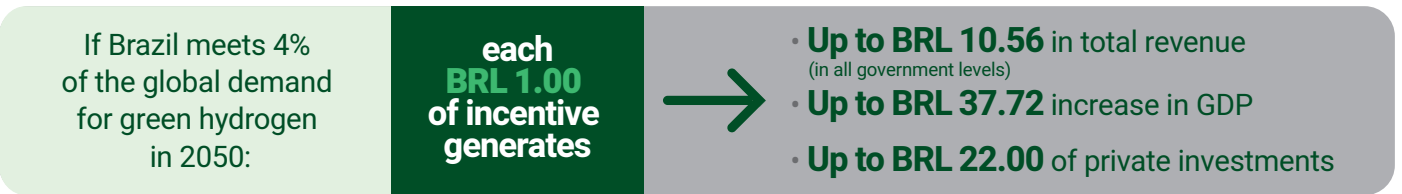
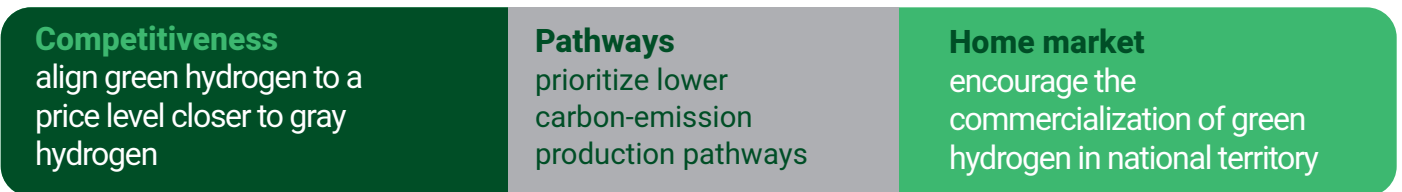
Green Hydrogen (H2V, in Portuguese) is a clean fuel, produced through water electrolysis – a process that separates water into its elements through the intensive use of renewable electricity, such as wind, hydro, or solar power. Brazil is in an advantageous position to lead the sector globally, with over 90% of its energy matrix coming from clean sources, experience with public decarbonization policies, and an interconnected national energy system.

## The legal framework for hydrogen

Globally, several countries have already adopted or are implementing public policies to encourage low-emissions hydrogen production. In 2024, Brazil took its first step to face this international competition with the approval of the **Low-Carbon Hydrogen Legal Framework, Law No. 14,948**.



In addition, under Law No. 14,990, Brazil established the Low-Carbon Hydrogen Development Program (PHBC, in Portuguese), an incentive mechanism that will provide up to BRL 18.3 billion in credits to the hydrogen industry between 2028 and 2032, prioritizing projects with lowest greenhouse gas emissions.

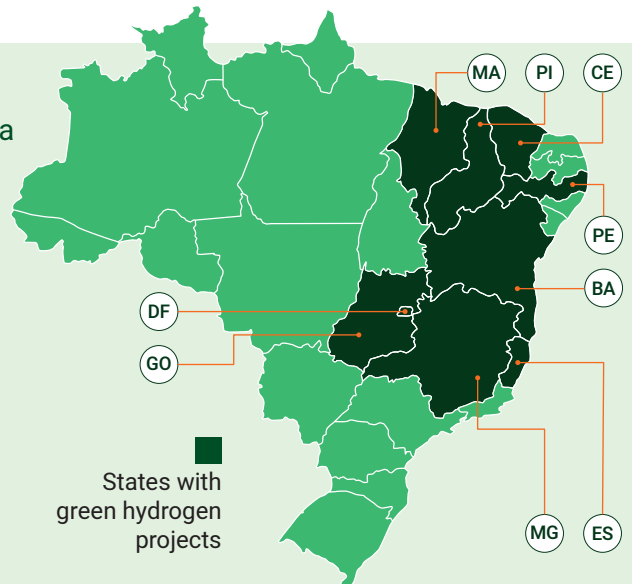


Announced investments for green hydrogen from renewable sources in Brazil already total BRL 188.7 billion, according to a National Industry Confederation study.

### Member companies and projects by states

- ArcelorMittal:** ES
- Atlas Agro:** MG
- Casa dos Ventos:** CE
- EDF:** CE
- Eletrobras:** CE, MG, GO, MA, PI
- European Energy:** PE

- Fortescue:** CE
- FRV:** CE
- Neoenergia:** BA, PE, DF
- Qair:** CE
- Solatio:** PI
- Voltalia:** CE




# Projects for the coming years

## Fortescue.

 **Location:**  
Pecém Complex, Ceará

 **Employment:**  
5,000 (construction)

 **Investment:**  
BRL 20 billion

 **Product:**  
green hydrogen

 **Final investment decision:**  
2025

 **Yearly production volume:**  
175,000 tons

## casadosventos associada a TotalEnergies

 **Location:**  
Pecém Complex, Ceará

 **Employment:**  
4,000 (construction)

 **Investment:**  
BRL 12 billion


 **Product:**  
green ammonia

 **Final investment decision:**  
2025

 **Yearly production volume:**  
900,000 tons

## EUROPEAN ENERGY

 **Location:**  
Suape, Pernambuco

 **Employment:**  
250 (construction)


 **Investment:**  
BRL 2 billion

 **Product:**  
methanol

 **Final investment decision:**  
2025

 **Yearly production volume:**  
100,000 tons

## ATLAS AGRO

 **Location:**  
Uberaba, Minas Gerais

 **Employment:**  
2,000 (construction)

 **Investment:**  
BRL 5 billion

 **Product:**  
nitrogen fertilizers

 **Final investment decision:**  
2025

 **Yearly production volume:**  
530,000 tons

## voltalia

 **Location:**  
Pecém Complex, Ceará

 **Employment:**  
5,000 (construction)

 **Investment:**  
BRL 9 billion

 **Product:** green hydrogen  
and ammonia

 **Final investment decision:**  
2025

 **Yearly production volume:**  
900,000 tons

## SOLATIO

 **Location:**  
Parnaíba, Piauí

 **Employment:**  
2,300 (construction)

 **Investment:**  
BRL 29,3 billion

 **Product:**  
green ammonia

 **Final investment decision:**  
2025

 **Yearly production volume:**  
2.2 million tons