

# SUCCESS CASES FROM THE STATE OF MINAS GERAIS/BRAZIL

## ENERGY

### Hydrogen

Minas Gerais has been encouraging and promoting actions aimed at developing the hydrogen sector, with an emphasis on low-emission hydrogen production. The State Hydrogen Plan highlights the utilization of the state's availability and diversity of energy resources, with a focus on clean electricity and its industrial potential. The plan aims to use these resources to decarbonize strategic sectors such as steelmaking and mining, fostering economic growth, attracting green investments, and developing sustainable products.

### Hydrogen Actions in Minas Gerais

Establishment of the regulatory framework that solidifies the objectives for the development of Low-Carbon Hydrogen and Green Hydrogen

The **Law de Nº 24.940 of 26/07/2024**, establishes the regulatory front aimed at promoting the sustainable production, distribution, and use of this energy vector in Minas Gerais, focusing on decarbonization and attracting investments in clean technologies. It also aims to boost the use of hydrogen as an energy source and industrial input, as well as promote the production of ammonia for energy transport.



- In 2023, the **Centro Hidrogênio Verde (CH2V)** was inaugurated at the Federal University of Itajubá (UNIFEI), in partnership with the German agency GIZ. The center, dedicated to hydrogen research and production, received an investment of 25 million reais and has a capacity of 300 kW, capable of producing 100 kg of H<sub>2</sub>/day.
- The **public calls nº 006/2023 and nº 010/2023** by FAPEMIG (*Minas Gerais State Research Foundation*), with hydrogen as one of the priority areas for energy, foster the development of Hydrogen in Minas Gerais.

- Development of the **State Hydrogen Plan**, which emphasizes the utilization of the state's energy resources, with a focus on clean electricity and its industrial potential. The plan aims to use these resources to decarbonize strategic sectors such as steelmaking and mining.
- The consolidation of Minas Gerais as a producer of low-carbon hydrogen is essential for achieving the goals of the Race to Zero initiative. Minas Gerais leads this initiative in Latin America and the Caribbean, with the goal of reaching net-zero greenhouse gas emissions by 2050.

