



BLENDING & INJECTION GAS UNIT

Top News

**PRF Gas Solutions Wins
National Sustainability Award
20|30**

MIXEO stands out as a fully autonomous system, designed to adapt to the unique needs of each client. Its flexibility is evidenced in the scalable H₂ ratio (1% to 100%), ensuring versatility for a wide range of applications. The system is equipped with a variety of essential safety features, including gas detectors, emergency stop buttons and shut-off and relief valves, to ensure the highest standards of operational safety. **MIXEO**'s advanced design allows for remote operation, a crucial feature in today's interconnected world. It can collect and store operational data, essential in generating automatic reports that provide valuable information on system performance.



Features

MIXEO, PRF's innovative hydrogen mixing system, stands out for its remarkable versatility in the use of hydrogen. It can efficiently use hydrogen from various sources, including on-site electrolyzers between 5 and 40 barg, H₂ storage trailers with pressures between 200 and 500 barg and pressurized bottles. This flexibility ensures that **MIXEO** adapts to different operating environments and hydrogen availability scenarios.

In order to meet more specific needs, **MIXEO** offers the option of integrating a calorimeter. This addition improves the process management capabilities, allowing precise monitoring and control of factors such as calorific value, Wobbe Index and relative density. Furthermore, this functionality can be used for billing purposes, calculating costs based on the energy actually supplied, thus adding a layer of financial transparency and efficiency. Beyond these features, **MIXEO**'s real advantage lies in its adaptability.

It can be adjusted at any time to change the proportion of the hydrogen mixture. Importantly, **MIXEO** can operate without hydrogen injection, avoiding process interruptions in the event of a hydrogen supply failure. This feature is especially beneficial for industries such as glass, ceramics, steel, refineries, heat treatment and cement production, which rely on high-temperature combustion processes. In these industries, continuous operation is crucial, and **MIXEO**'s ability to maintain function without hydrogen supply is a significant asset, ensuring continuous, efficient and ecologically sustainable operations.

Companies that adopt **MIXEO** align themselves with the growing consumer demand for environmentally responsible practices. This alignment increases the company's brand value and market position, demonstrating a commitment to sustainability and the well-being of future generations. This commitment can lead to greater customer loyalty, a stronger brand image and, potentially, a competitive advantage in an increasingly environmentally conscious market. Finally, adopting **MIXEO** offers substantial cost savings and environmental benefits. It aligns with the global movement towards sustainable energy solutions, making it a strategically sound investment for the future.