

PRF Newsletter

PRF NEWS

#25 /// OCTOBER 2021



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Highlight ///

DRHYVE PORTABLE HYDROGEN REFUELLING STATION



**PRF Gas Solutions presented the DRHYVE station:
a portable Hydrogen refuelling station, the 1st in
Portugal.**

PRF Gas Solutions has officially launched its portable hydrogen refuelling station for vehicles - DRHYVE.

This portable refuelling station, pioneer in Portugal, will serve to supply vehicles powered by fuel cells.

The new hydrogen refuelling station, also known as DRHYVE currently supplies heavy and light vehicles at 350bar and in the future will also supply light vehicles at 700bar.

Fully designed and built by PRF, the DHRYVE

station is a plug-and-play, fully automated solution that comprises hydrogen compression, control and dispensing in a 20 ft container.

Portable and compact DHRYVE can be transported anywhere and is ready to refuel a vehicle within hours. It is a flexible solution that can operate with hydrogen inlet pressures from 10 bar up to 500 bar.

The system was installed in Cascais, Portugal, and is currently supplying two buses, also





This solution, due to its pioneering spirit, was widely published in the media around the world

nationally manufactured by Caetano Bus and a light car.

According to Bruno Faustino, Hydrogen Business Unit Manager, "PRF already has in manufacture the 2nd DRHYVE station and, although this station does not have its own production, we are already designing stations with its own local production of hydrogen, making the systems fully autonomous. It is clear to us that hydrogen will have a very important role in mobility and in a short time we will have large fleets of vehicles with hydrogen fuel cells, and we are sure that the important role that PRF has in the filling stations for natural gas vehicles, will also have in hydrogen filling stations.

PRF has 30 years of activity and 20 years of experience in fuel gas filling stations. Hydrogen is quite a different product from natural gas, but the process is very similar, so much of the knowledge and experience gained is now naturally applied to the hydrogen stations." The DRHYVE station was entirely designed, developed and built in Portugal by PRF. It is the first of many filling stations for hydrogen that PRF intends to build like the numerous CNG/LNG units designed, developed and built by PRF around the world.



VEJA O VÍDEO AQUI

36th INTERNATIONAL SCIENTIFIC & EXPERT MEETING OF GAS PROFESSIONALS

OPATIJA, CROACIA

The Croatian Gas Center Ltd. and the Croatian Gas Association, a member of the International Gas Union (IGU), organized, after a break caused by the pandemic, the 36th International Gas Professionals Meeting, which took place from 16 to 18 June 2021 in Opatija, Croatia. One of the most well-known three-day international gas conferences and exhibitions in Central and South-Eastern Europe once again brought together many gas and energy experts and managers from various gas companies and institutions, as well as many exhibitors from more than 20 countries who discussed current gas and energy topics. The conference covered a number of current issues relevant to the gas economy and the energy industry that extend along the entire natural gas chain, as well as the key issues that will determine the development of natural gas markets in the near future. PRF was present as an exhibitor at this event.

Sponsorship ///

3rd GLOBAL LNG & HYDROGEN FORUM

MILAN, ITALY



The 3rd Global LNG & Hydrogen Forum addressed an array of topics and dedicated some special attention to the new promising energy carrier of the future, hydrogen. The main conclusion of the event is that the LNG industry has necessary potential and offers advantages to develop the hydrogen industry. Lessons learned and good practices created in developing the global LNG market and technologies can be used for embarking on the new hydrogen journey. According to the International Energy Agency findings, energy industry stakeholders should use the opportunity to develop hydrogen as future fuel in the next decade. An action and policy plan should be established to lay the commercial and technological foundations for the cleanest energy source of the future. The event took place in June and PRF sponsored the event and was present as an exhibitor.

Sponsorship ///

GREEN GAS MOBILITY SUMMIT



Leaders from the energy and transport sectors met at the GreenGas Mobility Summit on 21 and 22 September in Madrid. PRF sponsored this edition of the event and was present as an exhibitor.

The GreenGas Mobility Summit 2021 ended with a unanimous message: mitigating emissions from heavy land, sea and air transport is one of the great challenges of our time and to make immediate progress the transport sector is calling for a decisive policy to boost the bio methane and hydrogen market:

- Facilitate the implementation of guarantees of origin, simplify the administrative

process for new plants, increase the level of ambition of the biogas roadmap and facilitate the injection of renewable gases into the grid;

- Rely on the necessary incentives to ensure that the use of this carbon-neutral fuel is accompanied by a viable business model;
- Accelerate the development of the full hydrogen value chain by strengthening investment in R&D to enable its use in the maritime, aviation and rail sectors;
- Undertake effective and fair management of Next Generation funds to ensure a fair distribution of biogas compared to other renewables.

Sponsorship ///

GASTECH



21-23 September 2021 | Dubai World Trade Centre



GASTECH 2021, one of the largest exhibitions supporting the gas, LNG, hydrogen and power industry, was held in Dubai in September. Industry leaders and other players in this sector and visitors from around the world, including a 4-member delegation from PRF Gas Solutions, attended this event to gain valuable information and real-time industry knowledge.

With an emphasis on technological innovation, supply and demand dynamics, partnerships, people and talent and governance, this international exhibition is strategic for PRF Gas Solutions to showcase its technologies and help shape the strategies that will allow PRF Gas Solutions to thrive, providing an opportunity to explore new markets, forge new partnerships, and generate new business across the gas, LNG, hydrogen and power value chain.

The Gastech Conference, enabled knowledge and insights to be shared and addressed key issues and the most promising opportunities for the Gas, LNG, Hydrogen and Energy industries in the 4th industrial era.



Sponsorship ///

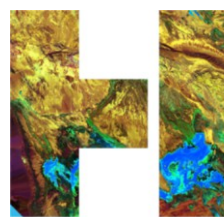
SITL

Innovation was the keystone of the 2021 edition. This year, over 550 exhibitors presented solutions that can evolve and "revolutionize" your business and your way of working! During these 3 days, PRF Gas Solutions took advantage of the latest trends and innovations in this sector, met potential new suppliers and partners and socialized with customers. In an atmosphere conducive to meeting and developing activities in this very important sector, SITL is the essential 360° meeting point to create new logistics connections.

The PRF sponsored the event and was exhibiting at the joint AFGNV stand.

Sponsorship ///

WORLD HYDROGEN CONGRESS

**world
hydrogen
congress**

PRF Gas Solutions was present at the Hydrogen World Congress, which took place in October in Amsterdam.

This event provided unparalleled opportunities for growth and contacts covering the entire hydrogen value chain. During these 3 days, we could follow the leaders of this industry in debates that aim to shape the future of the hydrogen industry, debate and challenge key industry issues such as:

- The global vision and economics of hydrogen;
- Achieving low-cost hydrogen production and conversion;
- Policy and commercial strategies;
- Optimizing hydrogen in mobility and industry.

Summit ///

PORTUGAL
MOBI summitHome Programa Oradores **Live**

Salas | Stages

**PAULO FERREIRA**ADMINISTRADOR EXECUTIVO, PRF GAS SOLUTIONS
EXECUTIVE BOARD MEMBER, PRF GAS SOLUTIONS

PORTUGAL MOBI SUMMIT

On October 20, 21 and 22, PORTUGAL MOBI SUMMIT gathered in Cascais a vast panel of national and international speakers and guests. There were three days of debate with leading figures in

the areas of sustainable mobility, smart cities, energy transition, digital transition, innovation, or public transport policies and urban planning.

PRF's CEO, Paulo Ferreira, was one of the guests and participated in one of the panels, dedicated to the theme "The future of hydrogen", together with Pedro Guedes de Campos, from FCH JU, Nuno Carvalho, from CAETANO BUS and André Pina, of EDP Renewables.

Reference Projects ///

REFUELLING STATIONS



SPAIN: Ziordia
CLIENT: GALP

Reference Projects ///

REFUELLING STATIONS



FRANCE: Le Havre
CLIENT: GNVERT/ENGIE

FRANCE: Portet-sur-Garonne
CLIENT: PRIMA LNG



Reference Projects ///

REGASIFICATION PLANTS



UNITED KINGDOM
Client: Molgas Energy UK Limited



PORTUGAL
Client: Avibom Avícola, S.A.



PORTUGAL
Client: Clibed

Awards ///

COTEC INNOVATOR STATUTE

inovadora
PARABÉNS!
**PRF - GÁS, TECNOLOGIA
E CONSTRUÇÃO, S.A.**

Pela atribuição do Estatuto Inovadora COTEC 2021
com o apoio do Millennium bcp.

Millennium
bcp

PRF - Gas Solutions was distinguished with the allocation of COTEC Innovative Status 2021. This distinction is the result of the public recognition of national companies which, due to their performance in innovation, are examples of value creation for the country.

Awards ///

«PROGRAMA ESTRELA» GALP GÁS NATURAL DISTRIBUIÇÃO

The PRF/Visabeira Gás consortium was once again recognised as one of Galp Gás Natural Distribuição's service providers of excellence at national level, remaining at the top among the companies providing services to that company.

This distinction was obtained in the scope of the incentives created for the Quality of Service, "Programa Estrela", of Galp Gás Natural Distribuição, which aims to classify and encourage the service providers, based on various parameters and evaluation criteria, with a view to total customer satisfaction.

In this sense, after the intervention carried out by the professionals of PRF Gas Solutions and Visabeira Gas, from



commercial recruitment to technical assistance, including infrastructure and back office, which offers full support to teams in the field, Galp Gás Natural Distribuição, conducts a survey with customers to assess their level of satisfaction, and whether all procedures contractually established were met.

To all the "Apoio às Distribuidoras" Business Unit, congratulations on a job well done.



DRHYVE

with us

Towards a Greener Future.



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