Chart Global Director speaks with Attaqa about a promising future for green hydrogen in the Arab region.

The Global Director of the Hydrogen division at Chart Industries, a member of the Global Hydrogen Council, Salah Mahdy, stated that green hydrogen in the Arab region will witness a promising future in the coming years.

Mahdy, during an interview with the Attaqa, stated that Chart Industries is currently engaged in discussions related to numerous hydrogen studies and projects in several countries within the region, including Saudi Arabia, the United Arab Emirates, Egypt, Oman, and Morocco.

He added that the Arab region is ready to play a central role in driving the energy transition towards a cleaner and more sustainable system.

In the interview conducted by the Attaqa, he discussed the current state of the hydrogen industry in the Arab region and the main challenges facing its expansion.

What are the main goals and projects of Chart Industries in the hydrogen sector?

We are a global organization with over 10,000 employees working from more than 115 locations worldwide, and we have installed assets in 169 countries.

Chart Industries has dedicated its efforts over the years to provide exceptional support to our customers in various sectors, including oil, gas, energy, water, mining, and renewable energy.

Chart is also specialized in the hydrogen industry, and the combined company, with Howden in its portfolio, has over a century of experience in this sector, being at the forefront of developments that have taken place in this field, from gray hydrogen to the green hydrogen.

The company has taken significant steps in recent years to expand into the green hydrogen market. We take pride in supporting our customers with our latest hydrogen technologies, serving gaseous and liquid hydrogen applications. This allows us to contribute significantly to the energy transition.

One of our major achievements is the successful support we have provided to many leading projects in the hydrogen sector. Notable examples include the world's first green steel project in Sweden, the world's first e-fuel plant in Chile, the largest hydrogen refueling station in the world in China, and the largest green hydrogen project in Europe in the Netherlands.

These projects span different sectors and countries, confirming our strong commitment to developing hydrogen technologies at a global scale, and actively supporting the global energy transition.

We are proud of our history, experience, and the impact we have made in the hydrogen sector, and we will continue to focus on technologies and innovation to enable the world to move towards a more sustainable and energy-efficient future.

Which Arab countries does Chart Industries aim to collaborate with in the field of green hydrogen? Why?

Many countries in the region shows strategic positions and significant advantages that enable them to excel in the hydrogen market.

The qualifying countries for leadership in the green hydrogen field include Saudi Arabia, the United Arab Emirates, Egypt, Oman, Morocco, Algeria, and Qatar, due to their enormous potential and distinctive advantages in terms of natural resources, geographic location, existing infrastructure, and experience in the energy sector. These unique advantages position them well to contribute diversely to the hydrogen market, enhancing its growth and dominance in the global hydrogen economy.

Have you already started discussions with these countries?

We are proud of our long-standing presence and strong footprint in the Arabian Gulf and North Africa.

For several decades, we have laid strong foundations in these regions, enabling us to develop deep relationships with key stakeholders in various countries. We have established this broad presence and rich history in a good position to embark on the next phase of our journey in supporting the energy transition.

We are already engaged in discussions regarding numerous hydrogen studies and projects in several countries within the region, including Saudi Arabia, the United Arab Emirates, Egypt, Oman, and Morocco.

We also expect that such as Algeria and Qatar will join the market in the near future, as each of these countries possesses unique advantages and distinctive characteristics that can contribute in different ways to the hydrogen market.

Relying on our expertise as hydrogen technology providers, we are equipped with the latest solutions capable of supporting a wide range of potential projects in these countries, whether it involves building hydrogen pipelines, producing green ammonia, using liquid hydrogen, developing hydrogen fueling stations, producing green methanol, or advancing electronic fuel.

Chart Industries has a wide range of technologies that can effectively contribute to the progress and development of these projects.

How do you see the future of the Arab region in the field of green hydrogen, and is it qualified to lead this sector?

Based on its historical importance as a major player in the global energy market, especially in the oil and gas industry, this region has enormous potential to maintain its influential position in the advanced clean energy landscape, particularly within the global hydrogen economy.

With abundant natural resources at its disposal and its strategic proximity to Europe, one of the largest markets, the region is well-positioned to emerge as a key player and influencer in this thriving sector.

The Arab region is ready to take on a central role in driving the transition towards a cleaner and more sustainable energy system.

Chart Industries (NYSE: GTLS) is a leading global manufacturer of highly engineered equipment servicing multiple applications in the clean energy and industrial gas markets. Our unique product portfolio is used in every phase of the liquid gas supply chain, including upfront engineering, service and repair.

Our vision is to be the global leader in the design and manufacturing of cryogenic process technologies and equipment for clean power, water, food and industrials, regardless of molecule.

The acquisition of Howden furthers our global leadership position in highly engineered process technologies and products serving the **Nexus of Clean™**.