

## PRESS RELEASE

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### **TKIL Industries signs strategic alliance with SoHHytec to foray into Green Hydrogen in India**

- Enters into a strategic partnership with Switzerland-based, SoHHytec SA
- Introducing a path-breaking technology in India – ready to disrupt conventional sectors
- Open to book orders and ensure faster delivery

**Mumbai, 03 December, 2024**

TKIL Industries Pvt. Ltd. (formerly known as thyssenkrupp Industries India Pvt. Ltd.), a leading player in industrial engineering and manufacturing, has forayed into the green hydrogen sector marking a significant milestone in its journey to diversify its business portfolio. The company has made an undisclosed strategic investment in SoHHytec SA, based in Lausanne, Switzerland. SoHHytec is a cutting-edge innovator and solutions provider in green hydrogen field using its proprietary artificial photosynthesis (photo-electrolysis) technology, to produce green hydrogen from renewable energy sources, including solar and wind, for industrial applications.

Currently, SoHHytec holds the world record for the highest direct solar hydrogen production efficiency and is globally the most cost-efficient technology for producing Green Hydrogen. In addition to this investment, TKIL Industries will be the exclusive partner in India for SoHHytec to manufacture and supply specific equipment and machinery as well as implement and install Green Hydrogen projects. TKIL Industries will also support SoHHytec in developing the supply chain for manufacturing Green Hydrogen equipment locally in India, giving a major boost to 'Make in India' for this critical sector. This strategic collaboration represents the first deployment of this groundbreaking technology in India, setting the stage for a transformative impact on the nation's energy landscape.

This strategic move aims towards advancing green hydrogen production and support the hydrogen economy and energy transition in India. The initiative to fast-track the production and commercialization of green hydrogen, demonstrates TKIL Industries' commitment to driving sustainable energy solutions. By advancing India's green energy agenda, this collaboration also aligns with the nation's ambitious goal of achieving net-zero emissions by 2070, marking a significant milestone in the country's transition to cleaner energy.

Talking about the investment and collaboration for entering the Green Hydrogen business, Mr. Vivek Bhatia, Managing Director and CEO, TKIL Industries, said, "It is a clear part of our strategy to expand our business operations into high growth sectors oriented towards sustainability and emission reduction. Green hydrogen is critical for enabling the green transition of hard to abate sectors. Our collaboration with SoHHytec marks a pivotal moment in our commitment to a sustainable, low-carbon future. By combining SoHHytec's advanced technology and solution with our extensive industry experience, we are poised to accelerate green hydrogen production in India and contribute meaningfully to the nation's clean energy objectives. Further, this partnership is a critical step forward for "Make in India" initiative for such critical

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sector. The market response has been fantastic and we are confident of announcing our first orders shortly."

While highlighting the path-breaking technology, Dr. Saurabh Tembhurne, CEO and Founder, SoHHytec, stated, "We welcome the strategic investment into our business and we are thrilled to collaborate with TKIL Industries in making green hydrogen a viable and scalable energy solution for India. By combining our cutting-edge technology and solution with TKIL Industries' manufacturing and industrial project execution expertise, we are confident this partnership will play a critical role in the global energy transformation journey. Today, SoHHytec's technology is without doubt, the market leader in terms of offering the lowest cost per kg of Green Hydrogen produced. Our artificial photosynthesis (photo-electrolysis) process is proven and highly flexible, providing off-grid capability and as well synchronizing with solar and other green energy power sources. Furthermore, SoHHytec's solution is highly recyclable and can be deployed majorly using locally sourced materials."

The green hydrogen produced will serve critical industrial sectors such as steel, fertilizers, bio-chemicals, cement, and transportation— industries essential to India's energy transition and industrial decarbonisation goals. As an example, this technology already offers around 50% cost reduction on per km basis compared to conventional ICE vehicles. This collaboration is designed to meet the rising demand for clean, sustainable energy solutions, while simultaneously contributing to India's industrial growth and carbon reduction targets.

Green hydrogen is emerging as a pivotal solution to decarbonise industrial sectors with high emissions. This partnership aligns with India's National Hydrogen Mission, which aims to establish the country as a global leader in green hydrogen by 2030. In line with this mission, TKIL Industries and SoHHytec will work to develop and deploy cutting-edge hydrogen production projects in key industrial regions across India, ensuring scalability and widespread adoption of green hydrogen technologies.

India is committed to scaling its green hydrogen production to approximately 7.5 million tonnes annually by 2030 to meet domestic energy demands to support the Green Energy Transition and help drive national decarbonisation efforts. Green hydrogen is set to play a critical role in achieving these goals, particularly in sectors that are difficult to decarbonize, such as heavy industry and transportation.

### About TKIL Industries Pvt. Ltd.

TKIL Industries Pvt. Ltd. (formerly known as thyssenkrupp Industries India Pvt. Ltd.) is a prominent name in the engineering sector, specialising in the design, manufacture, supply, construction, and maintenance of industrial plants and systems. Since its inception in 1947, TKIL Industries has been at the forefront of scaling up new technologies every decade and delivering cutting-edge solutions in mining, cement, energy, boilers, and sugar industries, contributing significantly to industrial growth in India and around the world, driven by its world-class manufacturing facilities and large workforce for engineering, project, construction & execution and life cycle service including operations and maintenance.

### About SoHHytec

SoHHytec is a pioneering company specializing in the development and deployment of advanced green hydrogen technologies and solutions. By leveraging cutting-edge innovations in renewable energy, SoHHytec is committed to making green hydrogen a mainstream energy solution, helping to decarbonize key industries and drive the global transition to sustainable energy.

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