

H₂ TITAN

Developed by **TIS Manufacturing**

MULTIPLE ELEMENT GAS CONTAINER (MEGC)

A simple solution to the storage & transportation of Hydrogen for any application...

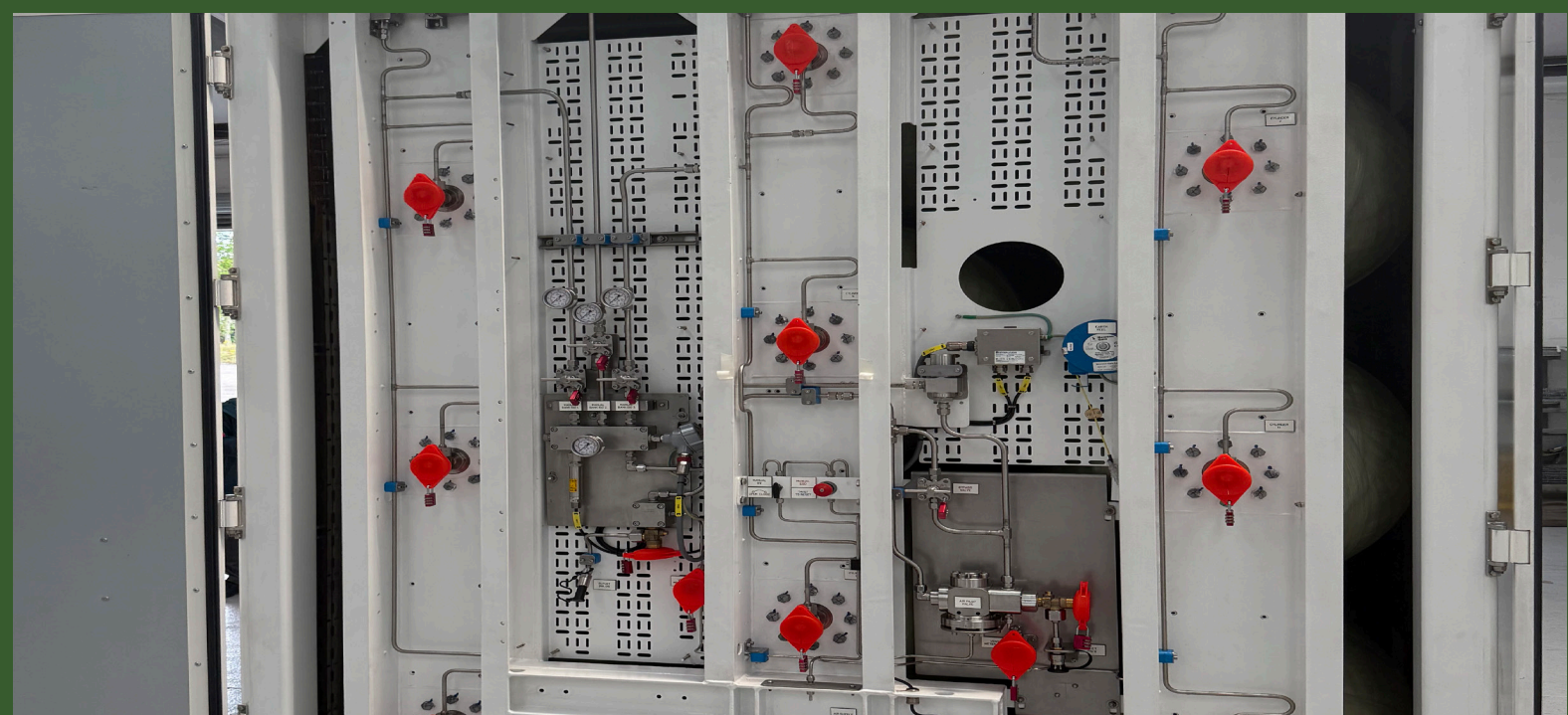
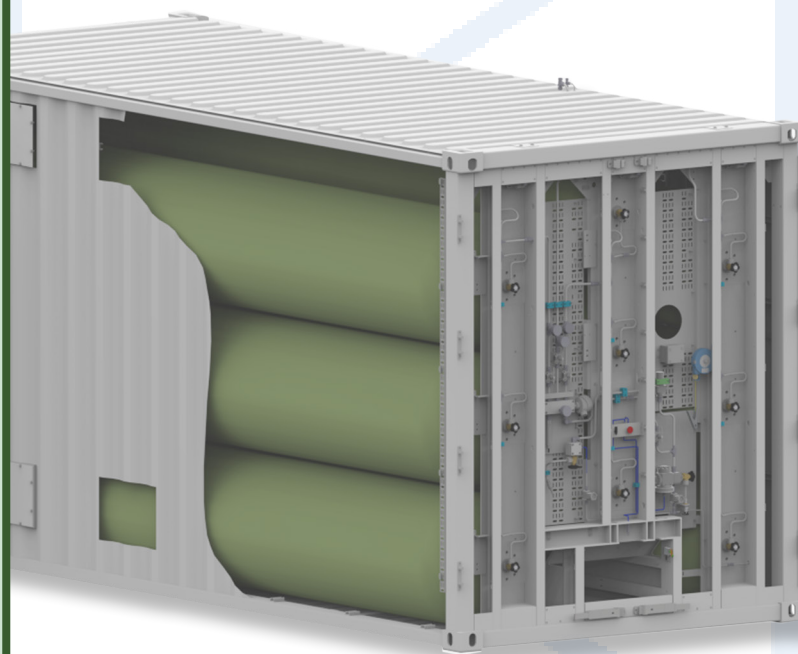


TIS Renewables, a division of **TIS Manufacturing**, is pleased to offer our H₂ TITAN a fully mobile, and containerised solution for hydrogen storage and transportation, designed with flexibility in mind, the H₂ TITAN can be custom-engineered to meet unique needs of each customer, ensuring seamless intergration into any operation.

The system incorporates TPED rated cylinder valves to minimise the risk of leakage, alongside Thermally-activated Pressure Relief Devices (TPRDs). Designed to automatically vent gas in the event of an emergency. The H₂ TITAN, houses a series of type IV pressure vessels within the container, which can hold a total capacity of 14,994 litres. Incorporating 9-off pressure cylinders, the end user is able to maintain an efficient and fast fill with dependable performance, across a range of applications.

Key features:

- 20ft Hi-Cube ISO Container
- 9-off Pressure Vessels
- 14,994 Litre Capacity
- Working Pressure: 350 bar (5,076 psi)
- 6-off Thermally-activated Pressure Relief Devices (TPRDs)
- Back Pressure Regulator for Vessel Protection.
- Up to 20 bar/min (290 psi/min) Dispensing & Filling Speed.



SYSTEM SPECIFICATIONS	
MAXIMUM STORAGE PRESSURE (bar)	350
HYDROGEN CAPACITY (kg)	420*
CONTAINER DIMENSIONS	HIGH CUBE 20ft ISO
AMBIENT OPERATING TEMPERATURES (°C)	-20 / +65 °C

*Operating at 15 °C

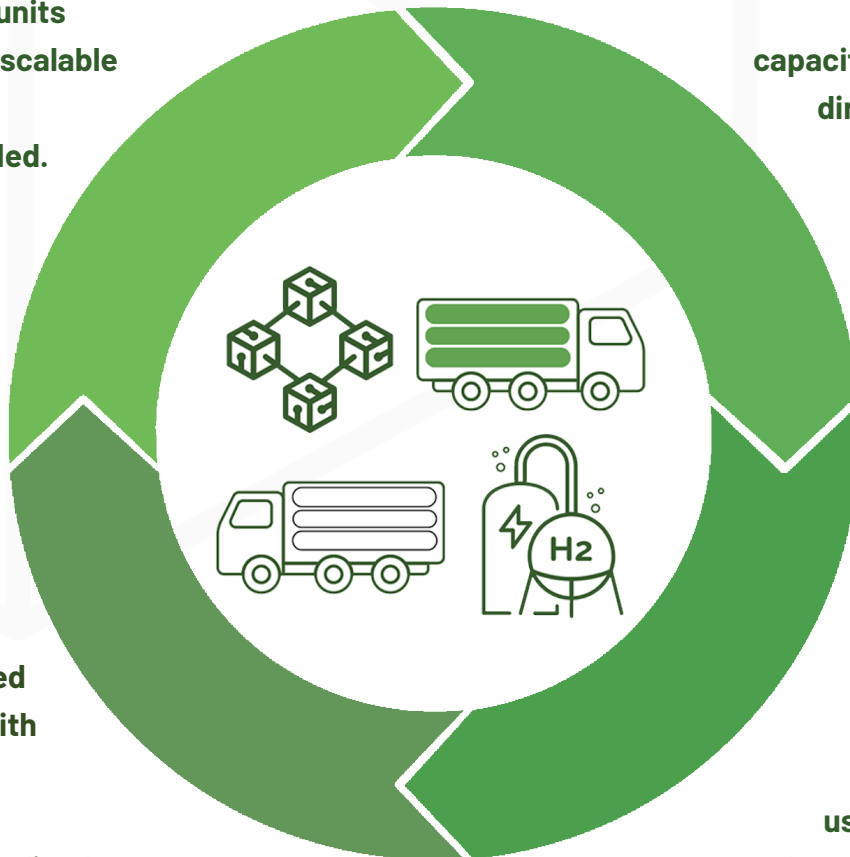
DIRECTIVES & STANDARDS	
<input checked="" type="checkbox"/>	CE MARKING
<input checked="" type="checkbox"/>	TPED (Pi, Rho) & ADR (2010/35/EU, EN 12245-3, EN 13807)
<input checked="" type="checkbox"/>	ATEX EXPLOSIVE ATMOSPHERES DIRECTIVE (2014/34/EU, EN 60079)
<input checked="" type="checkbox"/>	SAE STANDARDS (J2600)

Mobile Network

Easily relocatable units create a flexible & scalable hydrogen network, wherever it is needed.

On-site Storage

Provides safe, high capacity hydrogen storage directly at the point of use.



Back-up & Redundancy

Ensure uninterrupted hydrogen supply with mobile units that can supplement or temporarily replace fixed infrastructure.

Distribution & Delivery

Support efficient, reliable movement of hydrogen from production to end user, bridging the gap between generation and application.

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