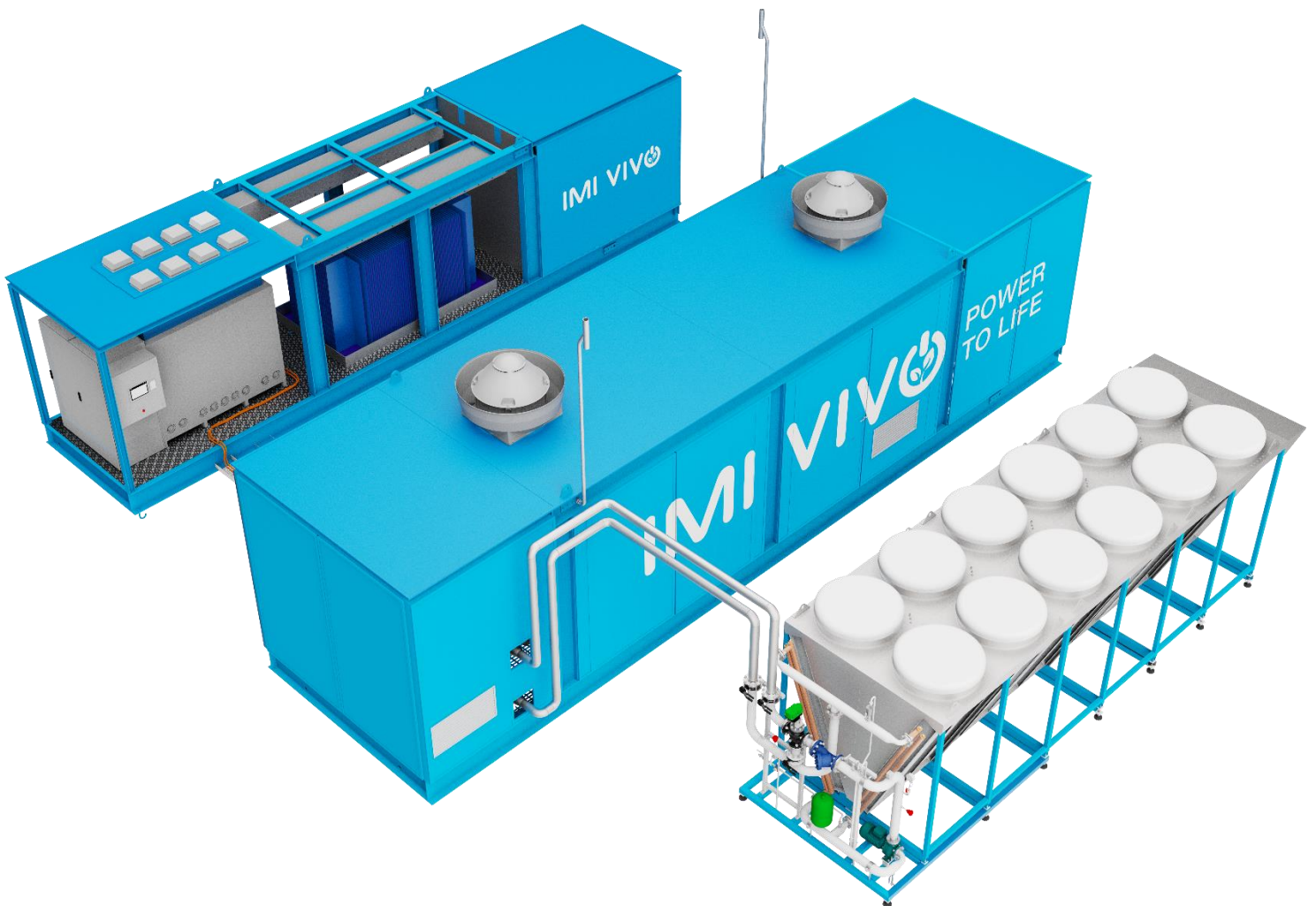




POWER
TO LIFE

Proton Exchange Membrane (PEM) Electrolyser

3MW, 4MW and 5MW modules



The IMI VIVO PEM Electrolyser is a fully customizable solution that produces hydrogen from renewable energy sources. The innovative system can be adapted to meet unique customer and regulatory requirements. Equipped with the highest standard components, from stack to BoP, it guarantees a modular design able to provide green hydrogen production at different amounts and quality.



The IMI VIVO PEM Electrolyser is designed to have one or multiple stacks combined to reach the desired hydrogen output and working range. They have the following characteristics:

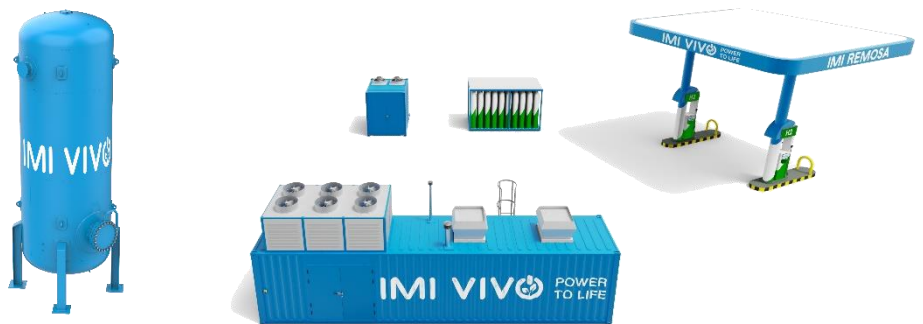
			3MW	4MW	5MW
Inputs	Electrical Loads	<i>Vac - Hz - MW</i>	<i>LV/MV^(a) - 50 - 3.2</i>	<i>LV/MV^(a) - 50 - 4.2</i>	<i>LV/MV^(a) - 50 - 5.3</i>
	Water Supply	<i>l/h</i>	< 1200	< 1600	< 2000
Outputs	H₂ (max)	<i>Nm³/h</i>	600	800	1000
	O₂ (max)	<i>Nm³/h</i>	300	400	500
Size	Container	<i>ft</i>	8 x 40 x 8 and 12 x 45 x 13 ^(b)	8 x 40 x 8 and 12 x 45 x 13 ^(b)	8 x 40 x 8 and 12 x 45 x 13 ^(b)
Performances	H₂ Purity	<i>%</i>	99.999	99.999	99.999
	H₂ Pressure	<i>bar (g)</i>	40	40	40
	O₂ Pressure	<i>bar (g)</i>	< 2	< 2	< 2
	Dynamic Range	<i>%</i>	10 - 100	10 - 100	10 - 100
	Max Power Consumption	<i>kWh/kg</i>	<56	<56	<56
	Communication	-	24/07	24/07	24/07
Control	Interfaces	-	Scada, Modbus and TCP/IP	Scada, Modbus and TCP/IP	Scada, Modbus and TCP/IP

- (a) Low Voltage or Medium Voltage available upon request
- (b) Customized footprints solutions available
- (c) Smaller or Larger size are available upon request

IMI VIVO is a turnkey green hydrogen solutions provider, supporting the user from the earliest stages of the plant design.

Our team can support you in defining the optimal size for renewable energy sources, electrolysers, fuelling stations, fuel cells, and storage.

www.imi-critical.com
<https://vivo.imi-critical.com/>



Contact us at imivivo@imi-critical.com for a free preliminary sizing of your next Green Hydrogen plant!