

Specifications Hydrogen Production Domat/Ems

General

Owner	80% Axpo Renewables Schweiz Ltd. 20% Rhienergie Ltd.
Operator	Wasserstoff Domat/Ems Ltd.
Location	7013 Domat/Ems, Switzerland 46.83452, 9.43559 (DD)
Electrolyser capacity	2.5 MW
Hydrogen production capacity	500 Nm ³ h ⁻¹ (45 kg h ⁻¹)
Max. pressure	530 bar
Filling bays	4 (2x 200 bar, 2x 300 bar) Length: 12.5 m Width: 2.55 m
Trailer compatibility	Up to 40' trailer
Operating temperature range	-20 °C to +40 °C
Control and handling	Unmanned with fully automated control Trailer handling by off-taker

Interface specifications

Hydrogen terminal 200 bar	According to DIN 447-1 Nr. 1
Hydrogen terminal 300 bar	According to DIN 447-5 Nr. 57
Instrument air terminal	Standard-Coupling Socket NW5mm (Nippel on Trailer) / 7 bar
Pressure levels	200 bar / 300 bar
Excess pressure backstop (asset side)	235 bar / 355 bar
Max. chassis dimensions (without tractor)	12.5 m x 2.55 m (L x W)
Hose lengths	Instrument air hose 5 m H ₂ hose 6 m
Further interfaces	Safety catches for hose pipes Electrical grounding connector