

2. Mitteldeutscher Wasserstoffkongress
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Enabling the Future of Hydrogen Fueling

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HYPOS HYDROGEN POWER STORAGE & SOLUTIONS EAST GERMANY



METROPOLREGION
MITTELDEUTSCHLAND



Maximator Hydrogen - Who we are!



- outsourced division „hydrogen“ from the Maximator GmbH
- dedicated technology development partner - Maximator Advanced Technologies
- by planned 70 compression systems in 2023 we will be one of the top refueling station provider
- first serial hydrogen refueling station provider with own developed hydrogen compressor „made in Germany“
- ~140 highly qualified young motivated employes
- Germany's largest production facility for Hydrogen Refueling Stations
- High capacity series production of HRS systems (up to 400 pcs./year)
- built on almost 3 hectares of land in Nordhausen/Thuringia

Overview installed systems 350 bar + 700 bar

Anzahl Betankungen

Anzahl: 53902

Infrarot: 36657

Noncom: 17245



Ø Betankungsmasse

9.01 Kilogramm

Min: 0.00 Gramm

Max: 33.78
Kilogramm



Ø Betankungszeit

05:04min

Min: 00:00min

Max: 42:21min

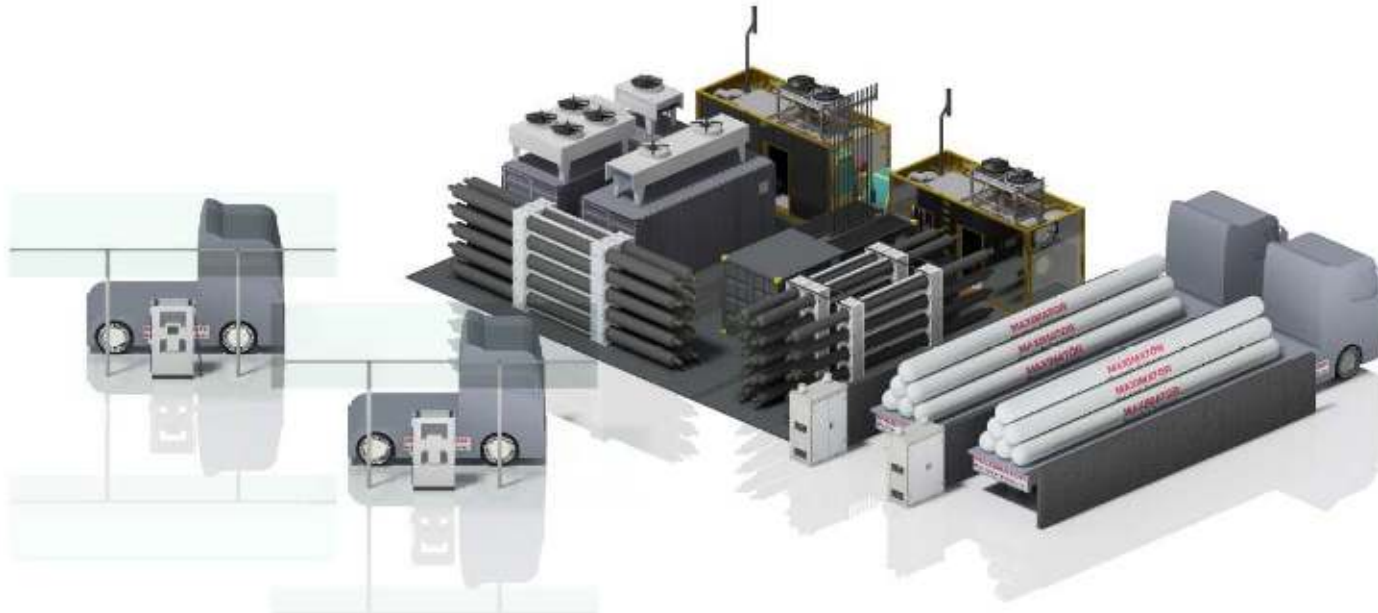


Gesamte Betankungsmasse

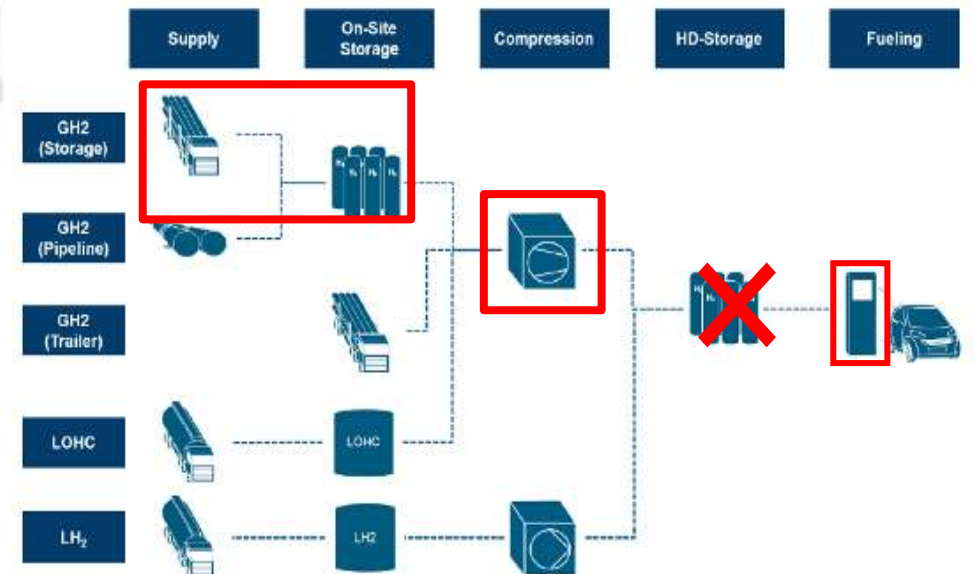
485.46 Tonnen



The next level hydrogen refueling station



- Refueling of all kinds of vehicles
- Up to 100 kg per vehicle in 15 minutes
- Pressures up to 900 bar
- Capacities of up to 8 t/day



MAX Compression 2.0

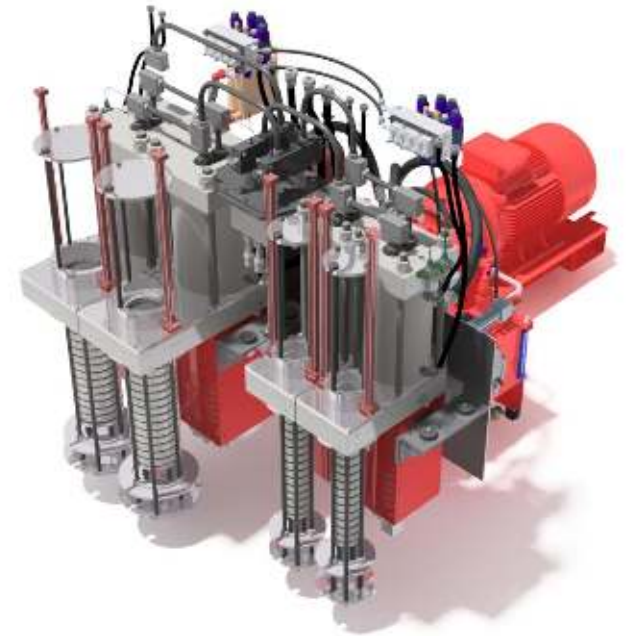
- Up to 10 tons daily throughput
- Peak mass flows of more than 400 kg/h
- Enables most energy efficient way of fueling

Direct Filling of vehicles up to 875 bar

- **Automatic Seal Exchange (ASX)** enables lowest operational expenses

Reduction of Lifetime cost of a hydrogen refueling station by a factor of **2** down to less than 1€/kg

- Upgradable station design from 500 kg/day up to 10 t/day





MAXIMATOR[®]
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Fueling the Future.

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