GREEN HYDROGEN HUBS PRODUCTION, STORAGE AND DISTRIBUTION OF GREEN HYDROGEN AND RENEWABLE ENERGY



EUROPEAN CONSORTIUM H2R HYDROGEN RENEWABLE

TARGET INSTALLATION PARAMETERS

Photovoltaic power plant:		300 M
Maximum hourly electricity production:		284 M
Annual electricity production:		360 G\
Power of electrolysers for the production of green hydrogen:		95 MW
Daily average production of green hydroge	n:	16 toni
Annual production of green hydrogen:		5 820 1
Daily average production of liquid oxygen:		99 ton
Annual production of liquid oxygen:		36 160
Financing scale:		600 M
Employment:		100
Reduction of CO2 emissions per day:		600 to
Reduction of CO2 emissions per year:		2 300 (
Planted trees equivalent:		8 000

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- ۹Wh
- SWh
- N
- nnes
- tonnes
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- MM EUR
- onnes
- 000 tonnes
- 000

OUR ABILITY TO FUEL PUBLIC TRANSPORT



Alstom Coradia iLint

VEHICLE SPECIFICATIONS

OUR READINESS TO PRODUCE GREEN H2

*Assuming daily travel range of 720 km per train

VEHICLE SPECIFICATIONS

Compressed H2 storage tanks: 350 MPa Storage tank capacity: 38,5 kg H2 consumption: approx. 10 kg/100 km Travel range at single fuelling: 385 km

OUR READINESS TO PRODUCE GREEN H2

2024:1500 kg/day → 39 buses* 2026: 6 500 kg/day → 169 2027: 13 500 kg/day → 351 2028: 16 000 kg/day \rightarrow 416

*Assuming daily travel range of 385 km per bus

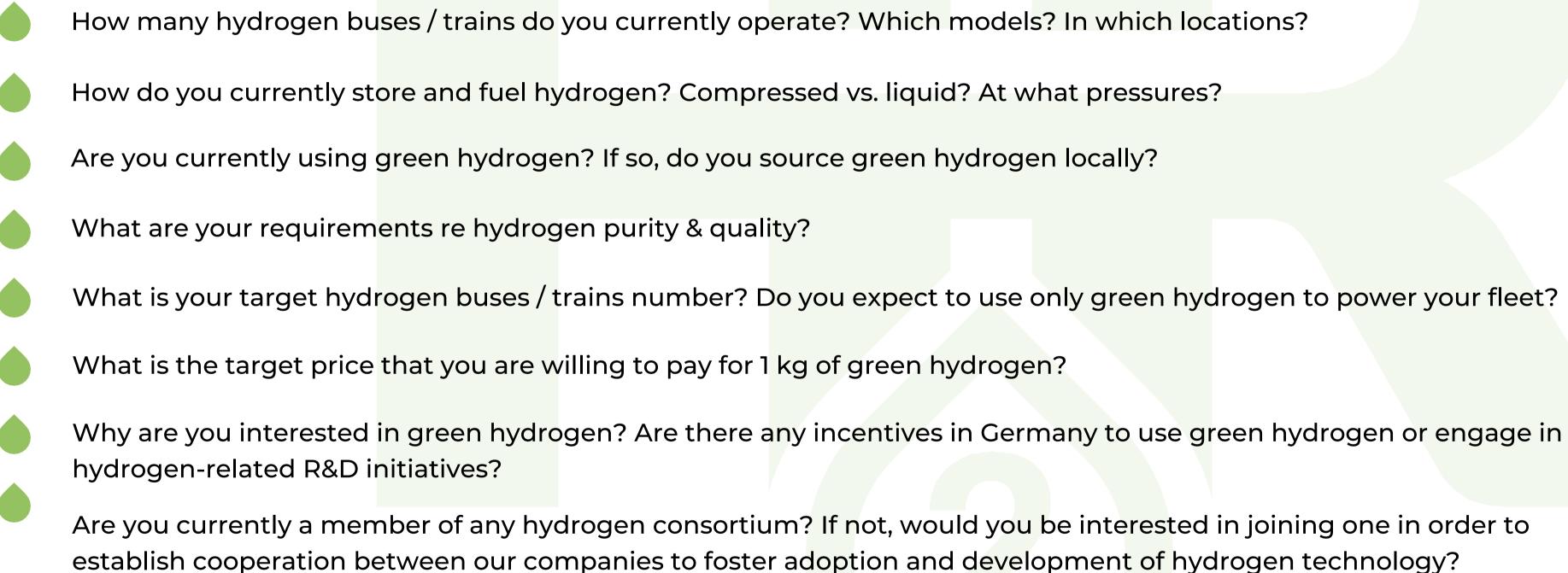


Solaris Urbino 12 Hydrogen

Compressed H2 storage tanks: 350 MPa Storage tank capacity: 180 kg H2 consumption: 25 kg/100 km Travel range at single fuelling: 720 km

2024: 1500 kg/day \rightarrow 8 trains* 2026: 6 500 kg/day \rightarrow 36 2027: 13 500 kg/day → 75 2028: 16 000 kg/day → 89

HELP US BETTER UNDERSTAND YOUR NEEDS





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