

Resato

AUGUST 2020

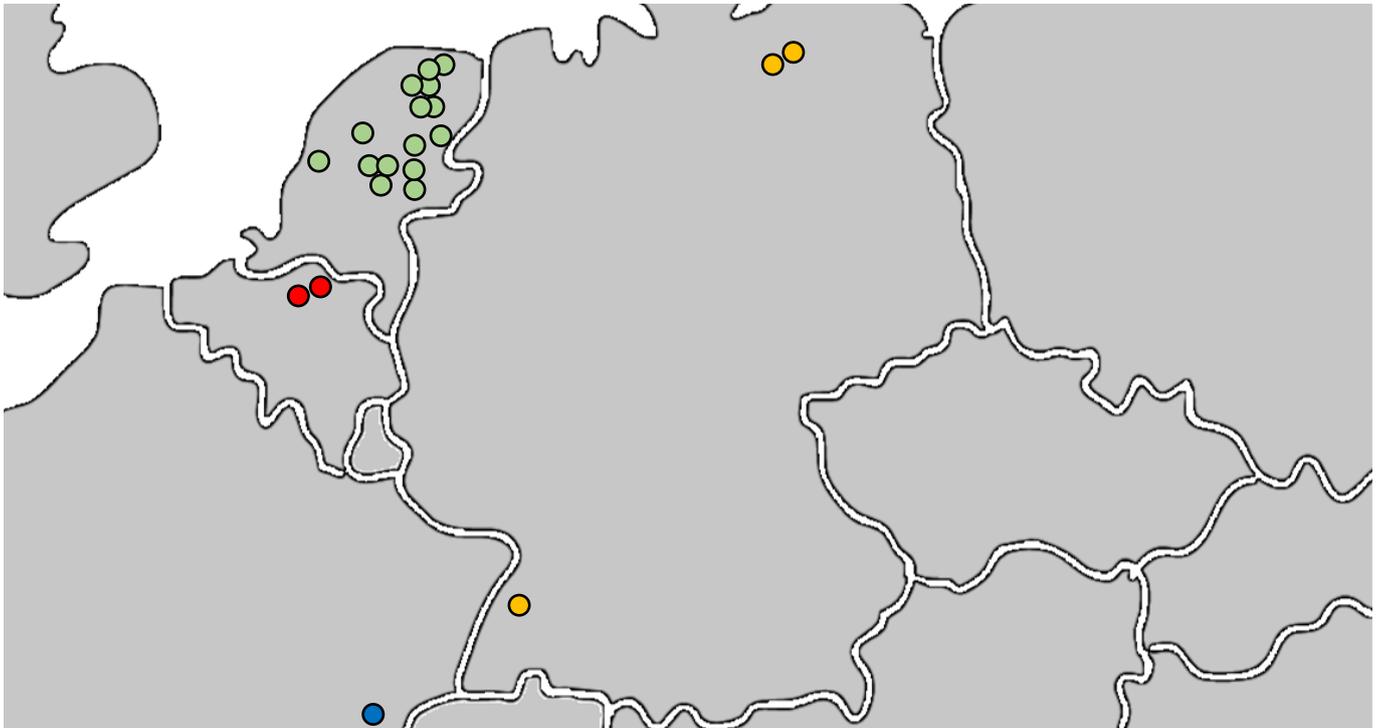
REFERENCE LIST HYDROGEN REFUELLING STATIONS



YOUR HIGH PRESSURE EXPERT.

More Information

		Location	System	Year of installation
Netherlands	●	Apeldoorn	Testing	09/2017
Netherlands	●	Delfzijl	R-Inside	01/2018
Netherlands	●	Groningen	FOS	06/2018
Netherlands	●	Maarn	FOS	11/2018
Netherlands	●	Amsterdam	FOS	01/2019
Netherlands	●	Nieuwegein	FOS	06/2019
Netherlands	●	Assen	FOS	08/2019
Netherlands	●	The Hague	FSS	03/2020
Netherlands	●	Veendam	FOS	06/2020
Netherlands	●	Coevorden	FOS	06/2020
Netherlands	●	Barneveld	FOS	In production
Netherlands	●	Drenthe	FOS	In production
Netherlands	●	Drenthe	FOS	In production
Netherlands	●	Groningen	FSS	In production
Netherlands	●	Amsterdam	FSS	In production
Belgium	●	Belgium	FSS	In production
Belgium	●	Belgium	FOS	In production
Germany	●	Rostock - Laage	FOS	06/2020
Germany	●	Rostock - Laage	FSS	In production
Germany	●	Balingen	FOS	In production
France	●	France	Testing	In production



DUTCH REFERENCES

Location: **Apeldoorn, The Netherlands**

Installation: September 2017

Unit: Testing

Description: The hydrogen compression station is used for testing hydrogen components. The Kiwa test cycle requires a continuous hydrogen pressure of >875 bar in a 24/7 operation. In practice the station compresses 250 kg/day since commissioning¹. The HRS connected to the test cycle has in total over 2.500 running hours with minimal downtime and maintenance. The system has a continuous flow of 20 kg/h (480 kg/day) and is operational since September 2017.`

Location: **Delfzijl, The Netherlands**

Installation: January 2018

Unit: R-Inside

Description: In addition to the plug and play refueling stations, Resato offers compressor solutions to other manufacturers of refueling stations as well. This first project for a so called R-inside solution specifically focusses on refueling busses. 2 busses that commute between the city of Delfzijl and Groningen refuel daily at this HRS with an approximate refueling capacity of 30 kg each.

Location: **Groningen, The Netherlands**

Installation: August 2017

Unit: Fleet Owner station (FOS700/350)

Description: The hydrogen refueling station In Groningen is used to refuel several vehicles including passenger cars, busses and cleaning vehicles from the municipality of Groningen. The Hydrogen Refueling station is operational since September 2017. The HRS refuels approximately 25 - 50 vehicles a week with a maximum capacity of 100 kg/day @ 350/700 bar

Location: **Maarn, The Netherlands**

Installation: November 2018

Unit: Fleet Owner station (FOS700)

Description: The Hydrogen refueling station in Maarn is used for refueling passenger cars (LDV) at 700 bar. The Hydrogen refueling station is operational since November 2018 and has a maximum capacity of 4 kg/h.

Location: **Amsterdam, The Netherlands**

Installation: January 2019

Unit: Fleet Owner station (FOS700)

Description: The Hydrogen refueling station in Amsterdam is used for refueling passenger cars (LDV) at 700 bar. The Hydrogen refueling station is operational since January 2019 and has a maximum capacity of 4 kg/h.

Location: **Nieuwegein, The Netherlands**

Installation: June 2019

Unit: Fleet Owner station (FOS700)

Description: The Hydrogen refueling station in Nieuwegein is used for refueling passenger cars (LDV) at 700 bar. The Hydrogen refueling station is operational since June 2019 and has a maximum capacity of 4 kg/h.

Location: **Assen, The Netherlands**

Installation: August 2019

Unit: Fleet Owner station (FOS700)

Description: The Hydrogen refueling station in Assen is used for refueling passenger cars (LDV) at 700 bar. The Hydrogen refueling station is operational since August 2019 and has a maximum capacity of 4 kg/h.

| More Information

Location: **The Hague, The Netherlands**

Installation: October 2019 (Handover Q1 2020)

Unit: Full Size Station (FSS700/350)

Description: Resato delivered the Public Hydrogen refueling station in the Hague. The Hydrogen refueling station is operational since the beginning of 2020. The HRS mainly refuels taxi's and passengers cars @ 700 bar and has also the possibility to refuel HDV vehicles @350 bar. The maximum capacity of the station is >500 kg /day. Up to Q1 2020 over 1500 vehicles have been refueled in The Haque

Location: **Veendam, The Netherlands**

Installation: June 2020

Unit: Fleet Owner station (FOS700)

Description: The Hydrogen refueling station in Veendam is used for refueling passenger cars (LDV) at 700 bar. The Hydrogen refueling station is in operation since June 2020 and has a maximum capacity of 4 kg/h.

Location: **Coevorden, The Netherlands**

Installation: June 2020

Unit: Fleet Owner station (FOS700)

Description: The Hydrogen refueling station in Coevorden is used for refueling passenger cars (LDV) at 700 bar. The Hydrogen refueling station is in operation since June 2020 and has a maximum capacity of 4 kg/h.

Location: **Barneveld, The Netherlands**

Installation: In production, planned installation Q2 2021

Unit: Fleet Owner station (FOS700)

Description: The Hydrogen refueling station in Barneveld will be used for refueling passenger cars (LDV) at 700 bar. The Hydrogen refueling station will be in operation around Q2 2021 and has a maximum capacity of 4 kg/h.

Location: **Drenthe, The Netherlands**

Installation: In production, planned installation Q1 2021

Unit: Fleet Owner station (FOS700)

Description: The Hydrogen refueling station in Drenthe will be used for refueling passenger cars (LDV) at 700 bar. The Hydrogen refueling station will be in operation around Q1 2021 and has a maximum capacity of 4 kg/h.

Location: **Drenthe, The Netherlands**

Installation: In production, planned installation Q1 2021

Unit: Fleet Owner station (FOS700)

Description: The Hydrogen refueling station in Drenthe will be used for refueling passenger cars (LDV) at 700 bar. The Hydrogen refueling station will be in operation around Q1 2021 and has a maximum capacity of 4 kg/h.

Location: **Groningen, The Netherlands**

Installation: In production, planned installation Q2 2021

Unit: Full Size Station (FSS700/350)

Description: The Hydrogen refueling station in Groningen will be used for refueling passenger cars (LDV) at 700 bar and busses and trucks (HDV) at 350 bar. The Hydrogen refueling station will be in operation around Q1 2021 and has a maximum capacity of > 500 kg/day @ 700&350 bar.



| More Information

Location: **Amsterdam, The Netherlands**

Installation: In production, planned installation Q4 2021

Unit: Full Size Station (FSS700/350)

Description: The Hydrogen refueling station in Amsterdam will be used for refueling passenger cars (LDV) at 700 bar and busses and trucks (HDV) at 350 bar. The Hydrogen refueling station will be in operation around Q4 2021 and has a maximum capacity of >500 kg/day @ 700&350 bar.

BELGIUM REFERENCES

Location: **Belgium**

Installation: In production, planned installation Q2 2021

Unit: Full Size Station (FSS700/350)

Description: Resato will deliver a public hydrogen refueling station to Belgium in Q2 2021. The HRS will refuel passenger cars @ 700 bar and has also the possibility to refuel HDV vehicles @ 350 bar. The maximum capacity of the station is >500 kg /day.

Location: **Belgium**

Installation: In production, planned installation Q3 2020

Unit: Fleet Owner station (FOS700)

Description: The Hydrogen refueling station in Belgium will be used for refueling passenger cars (LDV) at 700 bar. The Hydrogen refueling station will be in operation around Q3 2020 and has a maximum capacity of 4 kg/h or ~100 kg/day @ 700 bar.

GERMAN REFERENCES

Location: **Rostock - Laage, Germany**

Installation: June 2020

Unit: Fleet Owner station (FOS700)

Description: The Hydrogen refueling station in Rostock - Laage is used for refueling passenger cars (LDV) at 700 bar. The Hydrogen refueling station is in operation since June 2020 and has a maximum capacity of 4 kg/h or ~100 kg/day @ 700 bar.

Location: **Rostock - Laage, Germany**

Installation: In production, planned installation Q2 2021

Unit: Full Size Station (FSS700/350)

Description: Resato will deliver a public hydrogen refueling station to Rostock – Laage in Q2 2021. The HRS will refuel passenger cars @ 700 bar and has also the possibility to refuel HDV vehicles @ 350 bar. The maximum capacity of the station is >500 kg /day.

Location: **Balingen, Germany**

Installation: In production, planned installation Q4 2020

Unit: Fleet Owner station (FOS700)

Description: The Hydrogen refueling station in Balingen will be used for refueling passenger cars (LDV) at 700 bar. The Hydrogen refueling station will be in operation in Q4 2020 and has a maximum capacity of 4 kg/h or ~100 kg/day @ 700 bar.



■ ■ FRANCE REFERENCES

Location:

France

Installation:

In production, planned installation 2020

Unit:

Testing

Description:

The hydrogen compression station will be used for testing hydrogen tanks at a manufacturing plant of a tier 1 automotive supplier. The hart of these testing machines is fully comparable with a public HRS, however the hydrogen tanks are filled and tested. The test protocol requires a continuous hydrogen pressure of >875 bar in a 24/7 operation.

PHOTOS OF INSTALLED REFUELLING STATIONS

H2 Refuel
Fleet Owner Station
FOS 700



H2 Refuel
Full Size Station
FSS 700/350

H2 Refuel
Fleet Owner Station
FOS 700



H2 Refuel
Fleet Owner Station
FOS 700