

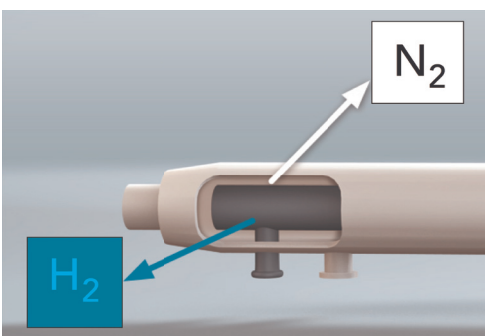
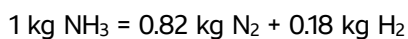


DUALTOWER COMPONENTS

TOWER

Number of legs:	4 ⁽¹⁾
Hub height:	100 meters
Diameter of legs (dCPV):	1.7 meters
Operating pressure:	100 bar
Total Hydrogen storage:	4500 kg
Total Nitrogen storage:	20000 kg

⁽¹⁾ Optional are 6 legs, this will increase the storage capacity but also further improves the mechanical properties so it could be an interesting feature in regions with hurricanes or typhons. Yet to be studied in detail.



dCPV = duplex Constructive Pressure Vessel

Patents granted and/or pending for a number of countries e.g. USA, Australia, EU, Chili, Canada, Japan, New-Zealand, South-Africa, ...

Third party components

Nacelle , Turbine, Blades

Turbine will have power ratings between 2.2 and 3MW depending on the location the Dualtower will be installed. It will be third party components that either Dualtower or the operator of the windfarm will order/maintain.

Hydrolyser, Air separation units, DI water

The hydrolyser should a capacity of about 1.5 MW, resulting in ca 250 to 280 Nm³/hour or a hydrogen production of ca 550 kg/day. There are various producers e.g. Hydrogenics, NEL, ...

Air separation to produce Nitrogen gas, proven technology, various produces and technologies. One large air separator that feeds the cluster of Dualtowers.

DI water production: ca. 5000 liters

Either individual DI Water unit per tower or larger DI Water units that feeds clusters of Dualtowers.