

Austria • Projects



Wind2hydrogen pilot plant generates hydrogen from renewables:

- 1 A novel Power2Gas pilot plant has been built especially for this purpose in Austria at OMV's site in Auersthal (Lower Austria). The plant's innovative and flexible high-pressure PEM electrolyzer – also unique in Europe – uses renewable electricity to split water into hydrogen and oxygen. After passing the project's own test pipeline, the renewable hydrogen will be fed straight into the OMV high-pressure grid via the Auersthal compressor station.

Source: OMV

Austrian wind energy future plans:

If there are about 100 wind turbines installed annually, by the year 2030, the wind energy can meet 24% of the Austrian electricity demand.

Source: IG Windkraft Österreich



Planned geothermal power plants over 1 MW, MWth:

- 1 Aspern Project, Vienna, 40*

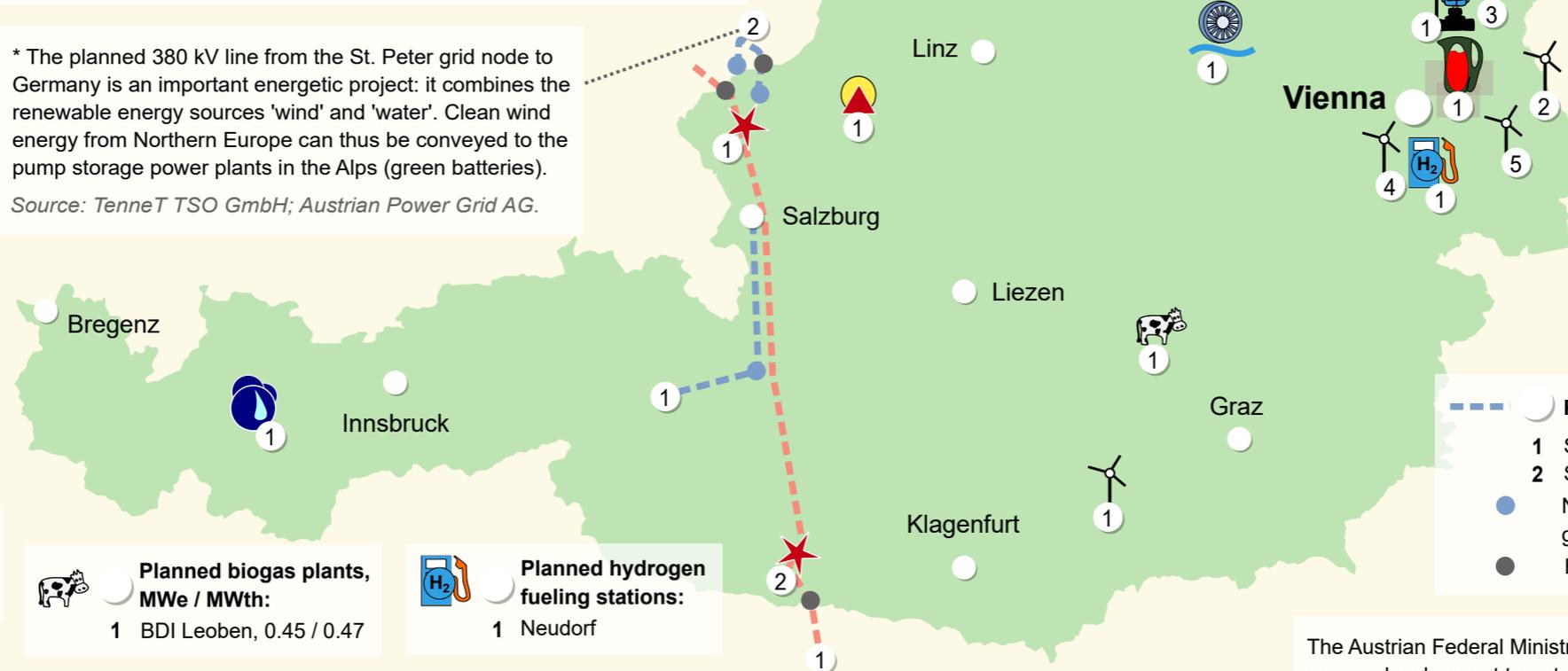
* After unsuccessful drilling works due lack of hot water at place, project was terminated.

Planned natural gas pipelines:

- 1 Tauern (TGL)
- Pipeline start/end connection points
 - Border crossing

* The planned 380 kV line from the St. Peter grid node to Germany is an important energetic project: it combines the renewable energy sources 'wind' and 'water'. Clean wind energy from Northern Europe can thus be conveyed to the pump storage power plants in the Alps (green batteries).

Source: TenneT TSO GmbH; Austrian Power Grid AG.



Planned pumped-storage plants, MW:

- 1 Kühtai-2, 140



Planned wind power plants, MW:

- 1 Handalm Windpark, 39
- 2 Andlersdorf-Orth, 30
- 3 Loidesthal, 26.4
- 4 Oberwaltersdorf, 19.8
- 5 Paasdorf-Lanzendorf, 15.9

Planned natural gas compressor stations:

- 1 Auerbach
- 2 Feistritz an der Gail

Planned underground sun storage project:

- 1 Pilsbach



Planned biogas plants, MWe / MWth:

- 1 BDI Leoben, 0.45 / 0.47



Planned hydrogen fueling stations:

- 1 Neudorf

Planned 380 kV line:

- 1 Salzburg (St.Peter am Hart - Tauern near Kaprun)
 - 2 St.Peter am Hart, Austria - Simbach, Germany*
- National grid 380 kV of other power plants, grid connection points, substations
 - Border crossing

South Stream Project:

Gazprom and OMV will also set up on a joint project company on a parity basis for subsequent design, financing, construction and operation of Austria's section of the South Stream with a minimum annual capacity of 5 to 10 billion cubic metres.

Source: Gazprom (April 2010).



Stromboje 3 hydro-buoy project:

- 1 The "Stromboje 3" managed by Aqualibre has been recently tested in the Wachau near Kienstock. In case of positive outcome, the project could contribute to the energy independence of the Wachau.

Source: EVN AG

The Austrian Federal Ministry for the Environment has set future renewable energy development targets (for 2020), increasing its generating installed capacity for:

- Hydro-power energy, adding another 1360 MW to existing installed capacity;
- Wind energy, adding another 2 000 MW;
- Solar PV energy, adding another 1200 MW;
- Solid biomass energy, adding another 200 MW.

Source: REN21 (June 2015)

