

1. Project description

Vestas is active on developing different DK and EU partner projects within PtX, both relating to green H2 and other e-fuels – and with a focus on both industry, transport and energy sector.

Both onshore and offshore are in scope in the future when combining wind power and PtX. The public funding applications regarding on-shore PtX projects Vestas is involved in are Ramme (a wind and solar hybrid ammonia plant in Denmark) and H2Sines (a wind and solar hybrid green hydrogen project in Portugal with several off-take routes including export). For offshore, it is publicly announced that Vestas is part of the Aquaventus Initiative aiming 10GW of offshore green hydrogen by 2035 in Germany.

Vestas brings significant experience and expertise within renewable plant solutions through its core business of developing, design, construction and operation of wind and hybrid renewable power plants. Vestas has industry-leading smart data capabilities used for forecasts and how to best exploit intermittent renewable resources. Applying this knowledge ensures the optimization of green H2 production from renewable sources to obtain the lowest cost. Core capabilities applied by Vestas in H2/PtX partner projects relates to optimizing the electrical infrastructure in Wind and hybrid renewables plants and real-time plant control. By providing detailed knowledge from the renewable side and by knowing the interface requirements towards the electrolysis system setup, Vestas provides key insight into evaluation and selection of adequate electrolysis system to be used.

Please select which part of the value chain for hydrogen your project focuses on (select one or more, where applicable):

Production	Transmission	Industrial application	Mobility	Energy	Housing application	Other
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

2. Partnerships and spillover effects

Vestas is interested in innovative and market leading partners from transport, industry and the energy sector that wishes to play a leading role on commercializing H2/PtX in their respective sector. Reducing cost and driving the commercialization of H2/PtX requires among other governments and offtakes that proactively creates a growing market for H2/PtX.

Vestas is seeking partners active in areas complimenting the above Vestas competences, that is beyond offtakers in industry, transport and energy also partners with competences in e.g. H2/e-fuel distribution and storage.

For offshore, Vestas is interested in partners that develop Energy Islands and Vestas is also interested in general in Oil & Gas companies able to support development of PtX projects offshore.