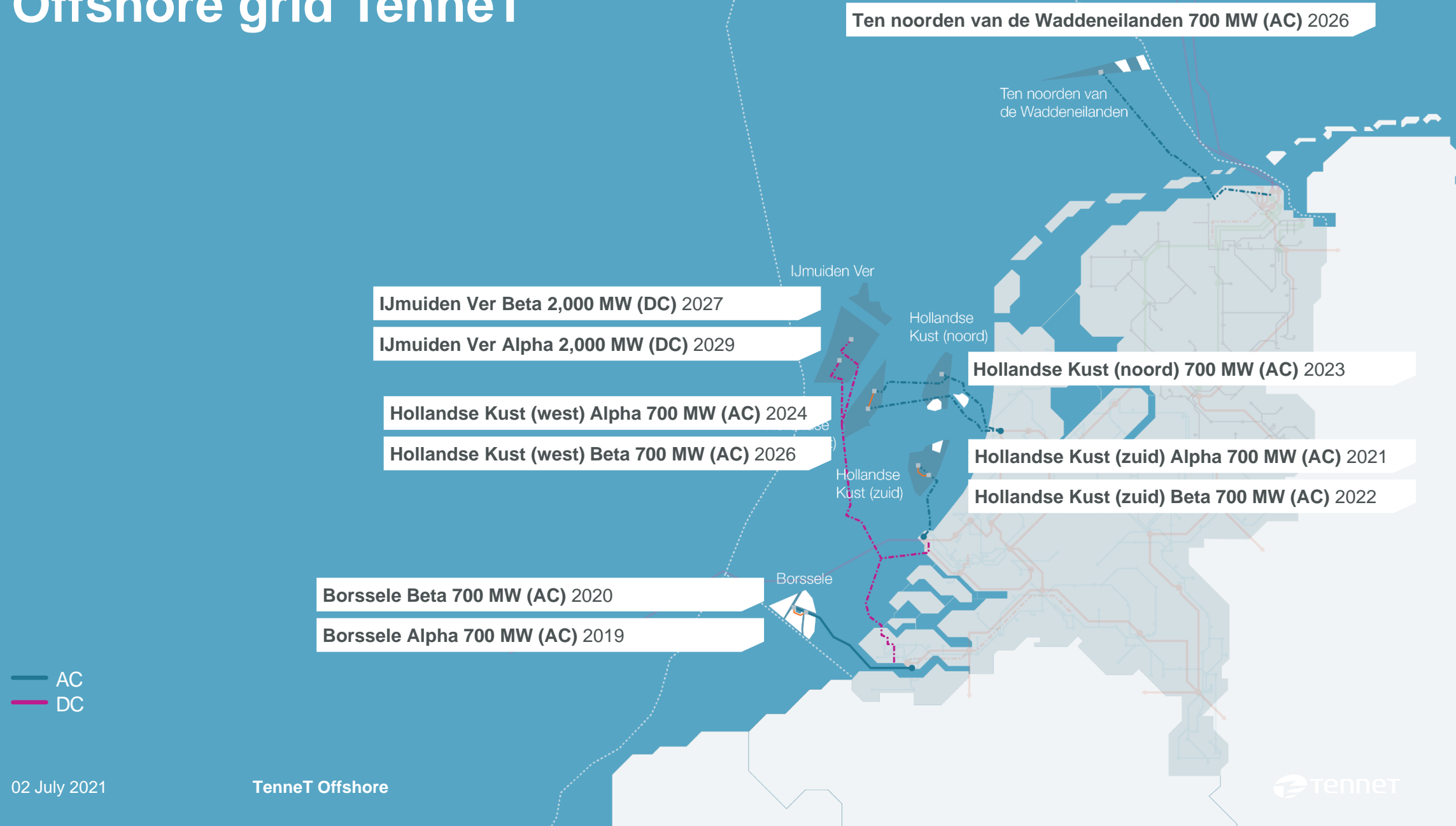


Update offshore grid

Jaarsma, Saskia



Offshore grid TenneT



IJmuiden Ver Alpha, Beta, and Gamma 2GW HVDC

- Choice of preferred alternative by MinEAC end of 2020: Alpha to Borssele via Veerse Meer and Bet to Maasvlakte south
- Planning: Draft permits and draft spatial plan for consultation end 2021/beginning of 2022
- New project Gamma has started Q1 2021.
 - No irreversible steps will be set; Northern part of wind energy area IJmuiden Ver must be reconfirmed in North Sea Program.
 - Draft scoping document (NRD) expected September 2021. Gamma follows the same route as Beta (and offshore partly as Alpha) to the Maasvlakte
 - Synergy and acceleration by combination of routes



2 GW HVDC offshore grid documentation available!

<https://offshore-documents.tennet.eu/nl/>

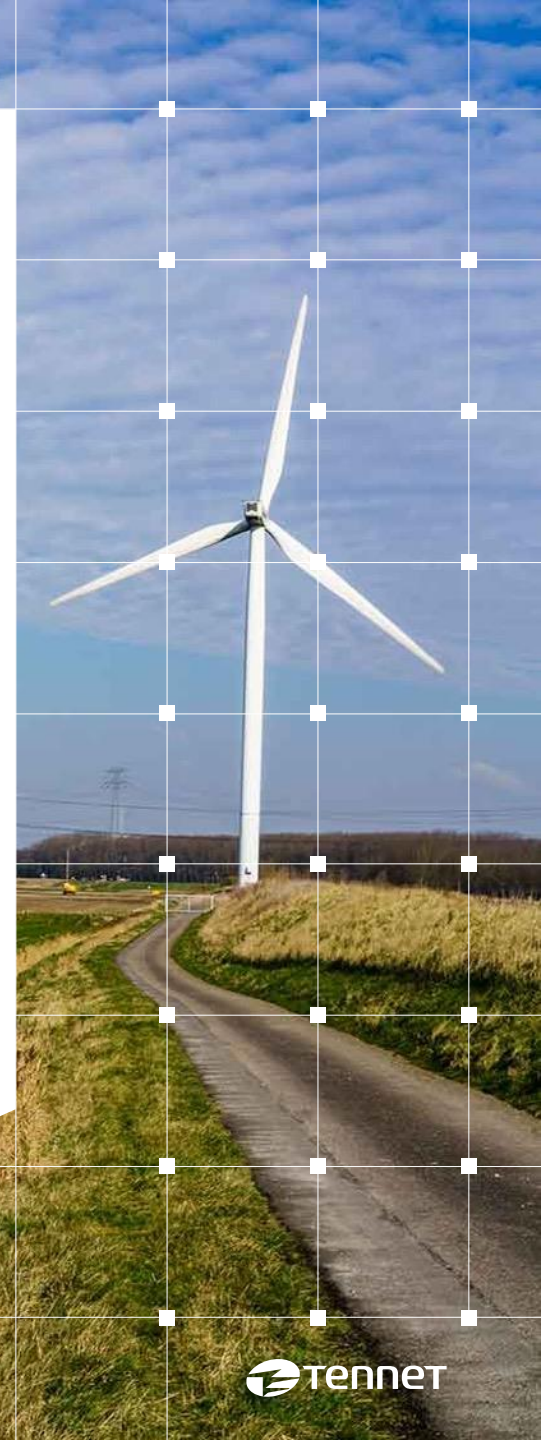


HKW – connection to offshore grid

- Relevant documents to be published at <https://offshore-documents.tennet.eu/>
- Modifications to model agreements for the Realisation Agreement (REA) and Connection and Transmission Agreement (CTA):
 - No consultation foreseen for following interfaces in respect of HKW Alpha (relevant connection for Site VI) – TenneT will design in accordance with the Offshore Development Framework, e.g.:
 - Design of the scour protection of the Jacket
 - Design of the J-tube with bellmouth and cable hang off flange
 - Design of the 66 kV cable deck
 - TenneT will not install bellmouths → will be offshore installations by OWF
 - Design of cable route and allocation to the bays
 - The developer will incur any costs related to adaptation of the above to align with a specific windfarm design.

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