



LEGEND

- ① Line 1 Electrolyser Building 100MW
- ② Line 2 Electrolyser Building 100MW
- ③ Line 3 Electrolyser Building 150MW
- ④ SOEC
- ⑤ Line 1 Electrical / I&C (3 floors)
- ⑥ Line 2 Electrical / I&C (3 floor)
- ⑦ Line 3 Electrical / I&C (3 floors)
- ⑧ Gate, Warehouse, Control room, Storage, Administration and Offices
- ⑨ HV-Transformer
- ⑩ Pre Compression
- ⑪ Final Compression
- ⑫ BOP Electrical Room
- ⑬ SW/CW Unit
- ⑭ H2 Metering
- ⑮ Grid Connection and AIS 380 kV Switchyard
- ⑯ Gasunie Station
- ⑰ Air compressor
- ⑱ Underground SW Piping
- ⑲ Demi Water Tanks
- ⑳ Water Treatment /Demi Water Supply for Unit 1,2
- ㉑ Water Treatment /Demiwater Supply for Unit 3
- ㉒ Cooling System for Unit1,2
- ㉓ Nitrogen Supply for Unit 1,2,3
- ㉔ Cooling System for Unit3
- ㉕ H2 Treatment for Unit1,2,3
- ㉖ Flare
- ㉗ Raining Water Retaining Pond
- ㉘ KOH
- ㉙ Emergency Diesel Generator
- ㉚ LPG Storage Package Unit

- Interfaces:**
- Ⓐ Power from Tenna to HV Transformer
 - Ⓑ Hydrogen to Gasunie/Hynetwork Service pipeline
 - Ⓒ Provisional area for optional Hynetwork Service H2 Pipeline Valve Station
 - Ⓓ Potable Water from NorthWater tie-in to BoP
 - Ⓔ Demineralized Water from NorthWater tie-in to BoP
 - Ⓕ Sanitary Water from buildings to public collection network

Plot Area for Oranjewind Electrolyser

- Line 1 (100MW)
- Line 2 (100MW)
- Line 3 (150MW)
- Buildings



Oranjewind Electrolyser Project (OWEL), Eemshaven, NL

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RWE Overall Layout Plan

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