

LEGEND

Transmission substations

- 400kV
- 275kV
- 132kV
- other*

- ◇ existing offshore wind connected to OFTO network
- ◇ existing offshore wind generator

Circuits

- 400kV
- 275kV
- 220kV
- 132kV
- OFTO* circuits
- offshore wind connection
- HVDC
- Interconnectors (as per IC register)

Other drawings

----- Approximate border between SSEN, SPT and NGET

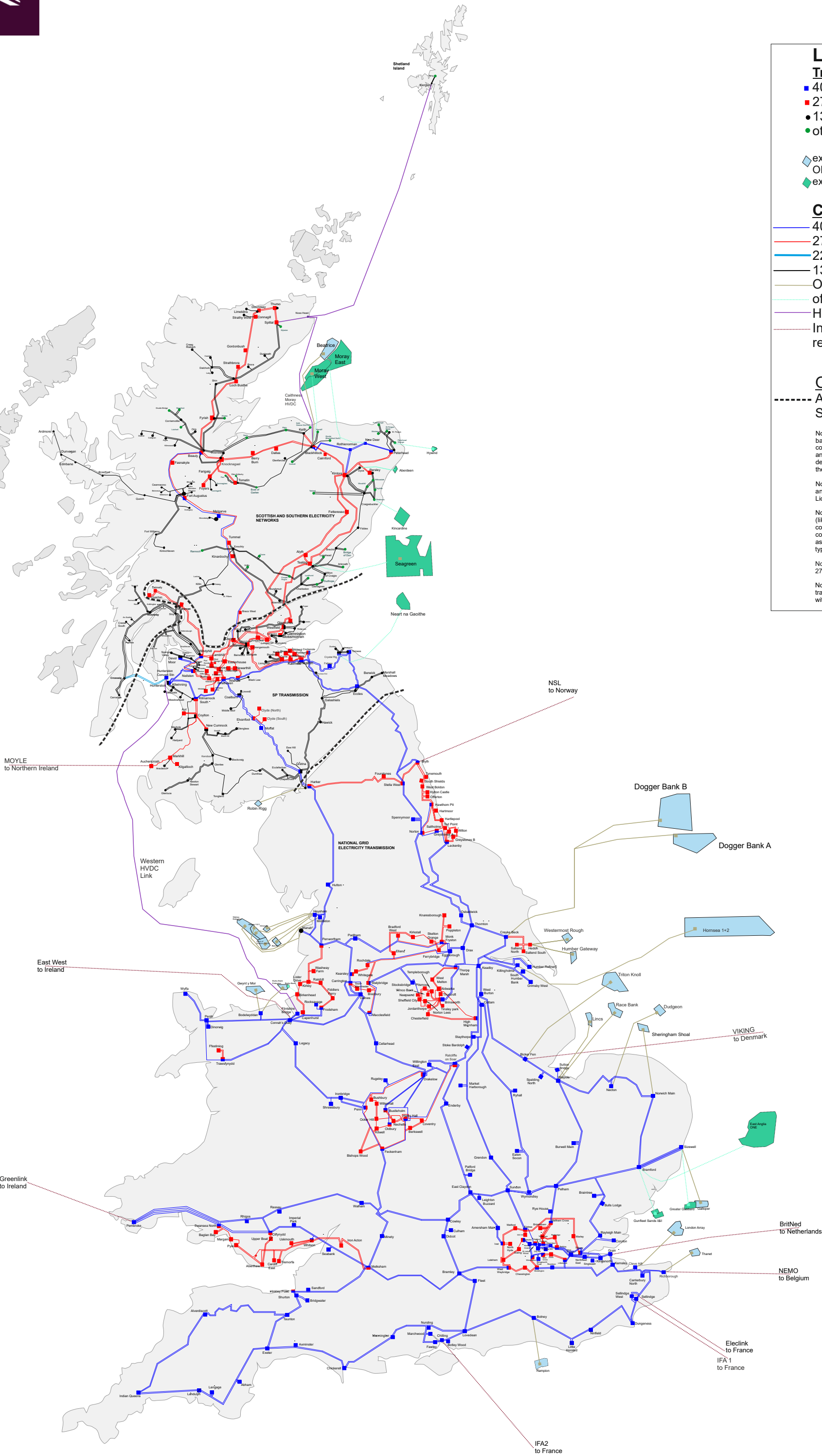
Note1: The map is a representation of the existing NETS based on the ETYS2025 Year 1, thus the routes and components of the network are only for illustrative purposes and should be taken as approximate location of assets. For details of the location of assets please enquire the owner of the transmission network.

Note2: The offshore network illustrates the OFTO network and Generation network, as per Ofgem All Electricity Licensees at 5/3/2026).

Note3: Other substations are non-transmission substations (like GSPs, MITS nodes or GPCs) for completing the connectivity with the offshore network purpose (as they connect Large Power Stations) thus they shouldn't be taken as precise location of assets; for details of assets location, type or commissioning date please enquire the TO.

Note4: For NGET region, only transmission circuits from 275kV and above are represented.

Note * - in the NGET area there are represented 132kV non-transmission substations only for completing the connectivity with the offshore network



ETYS2025 Y1 GB System Boundaries - map view

Boundary drawings

- System Boundary - currently studied
- System Boundary - not currently in study

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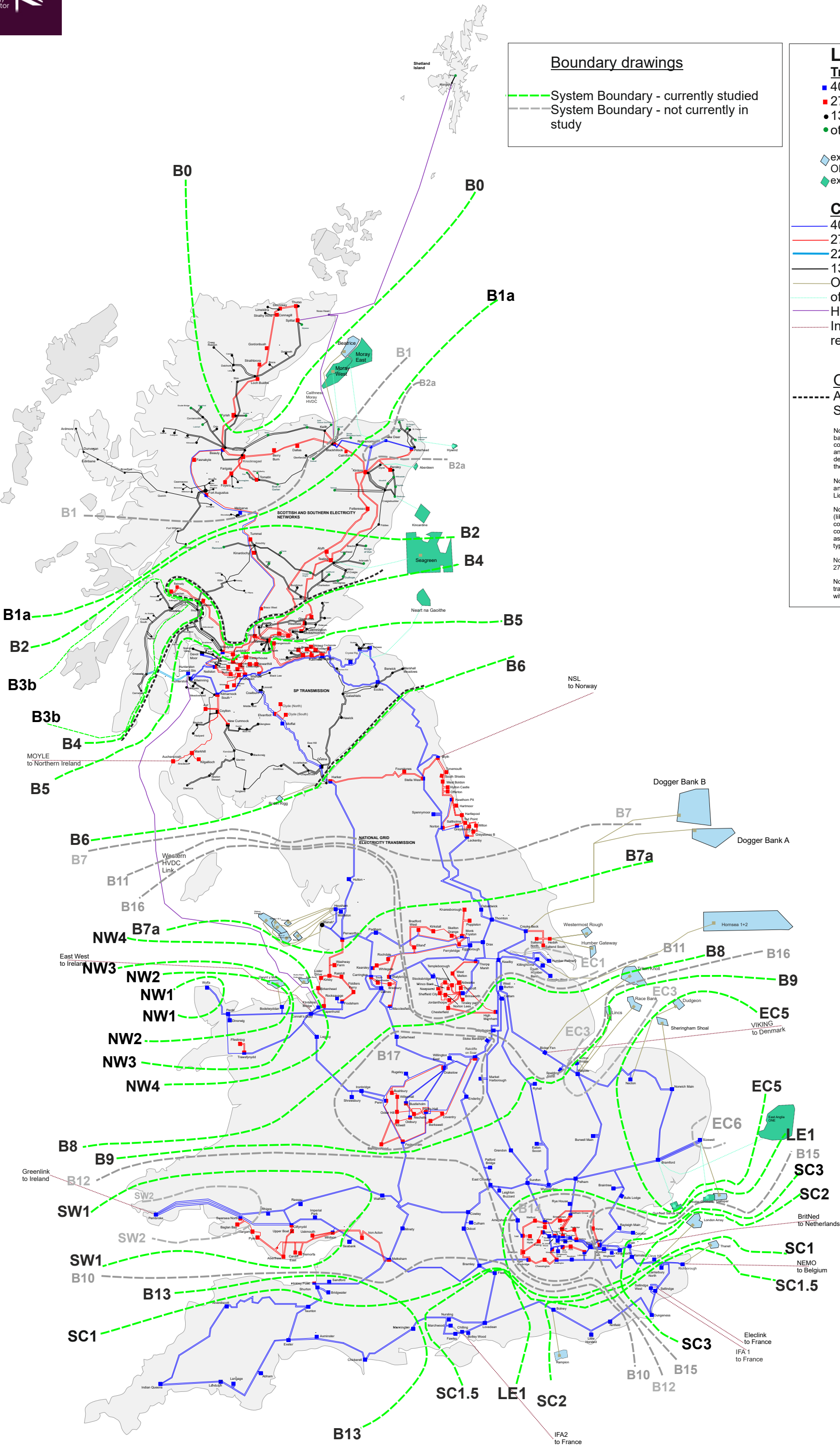
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ETYS25 Y1 Existing System Generation

PLANT TYPE

Nuclear

Biomass

Oil&OCGT

CCGT&CHP

Hydro/pumped storage

Wind

Battery storage/BEISS

Solar

Other (Waste)

Note: The generations shown are existing Large Power Stations (NGET >25MW entry capacity, SPT >30MW entry capacity and SSEN >10MW entry capacity); are "built" in ETYS Appendix F (TecReg at 31st of October 2025) and connected to the Transmission System.

Note: The Large Power Stations are only for illustrative purposes and should be taken as an approximate location of assets. For more details of the Large Power Station please consult each network owner.

Note: The OTHER power plants shown in the diagram are: tidal, residual waste, etc.

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existing offshore wind generator

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132kV

OFTO* circuits

offshore wind connection

HVDC

Interconnectors (as per IC register)

Other drawings

Approximate border between SSEN, SPT and NGET

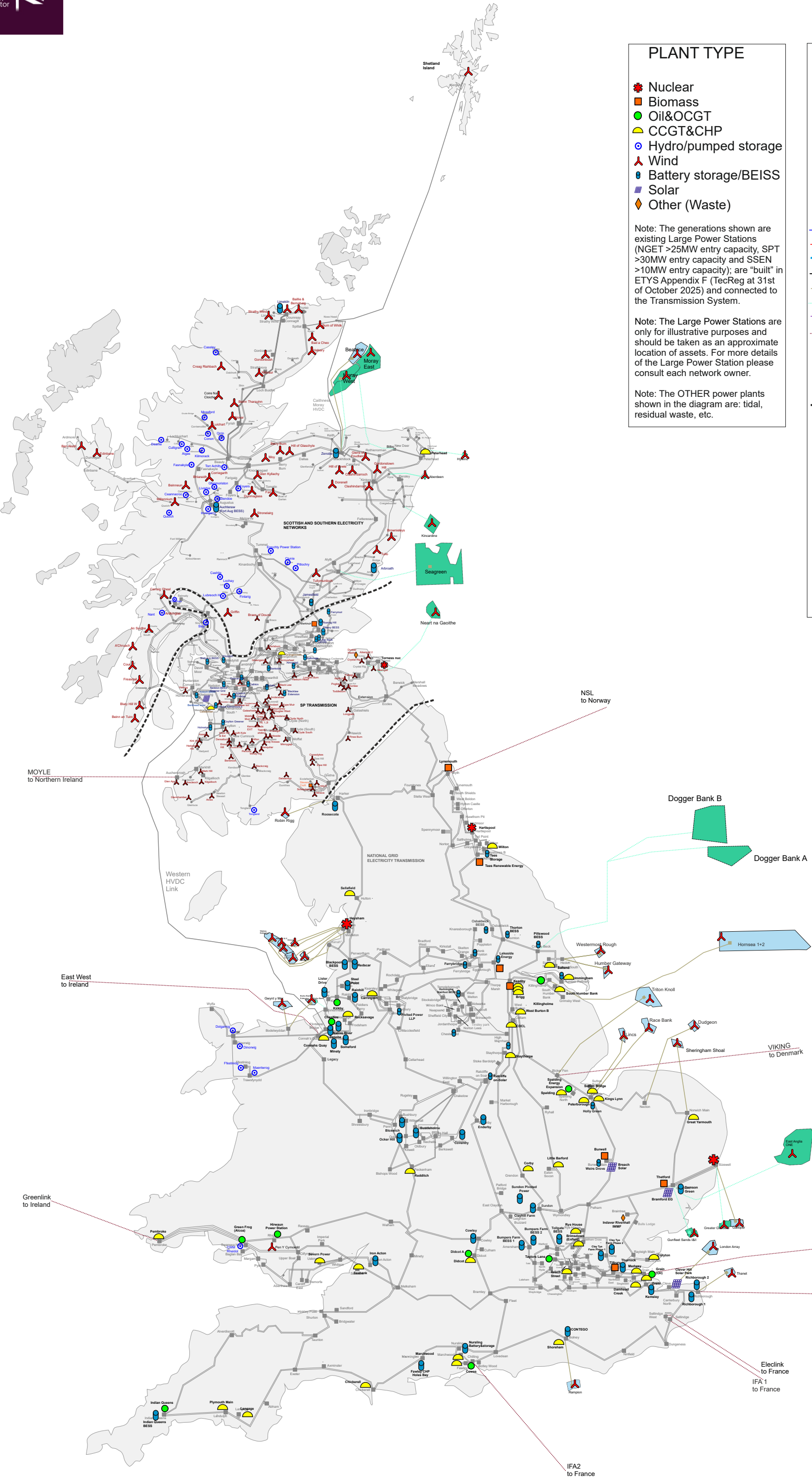
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ETYS2025 Y1 GB Existing System Schematic Diagram

Legend

- Circuits**
- 400kV circuit
 - 275kV circuit
 - 220kV circuit
 - 132kV circuit
 - offshore network
 - Interconnector link
 - HVDC circuit
 - Cable >1KM
- Substations**
- 400kV substation
 - 275kV substation
 - 132kV substation
 - bus/node

- Components**
- transformers
 - QB (quadrature booster)

Transmission Circuit = part of the onshore or offshore electricity transmission system (275kV and 400kV for England & Wales and 132kV, 220kV, 275kV and 400kV for Scotland), including circuits between two or more circuit-breakers which include, for example, transformers, reactors, cables and transmission lines and DC converters but excludes busbars, generation circuits.

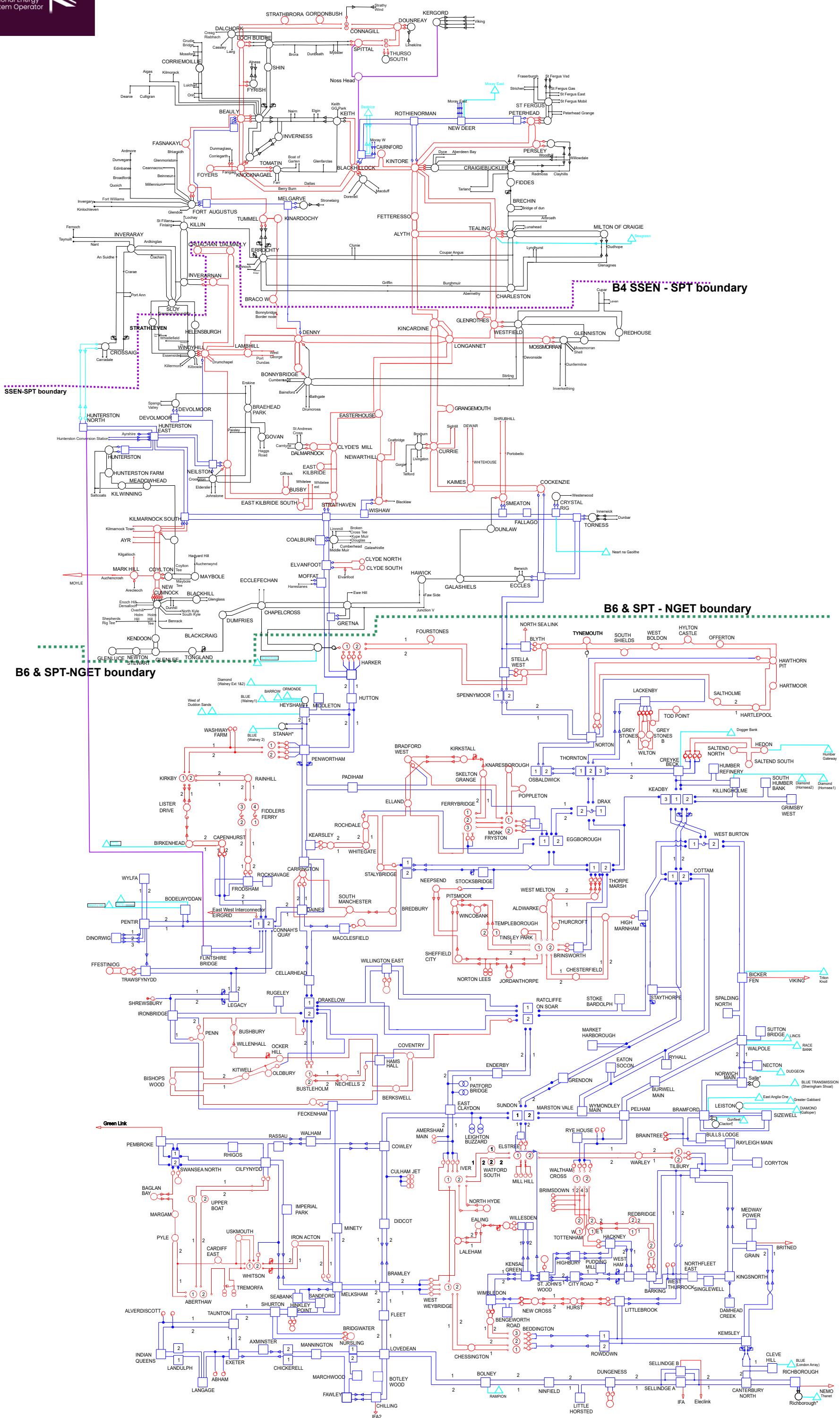
All GB NETS data are present in ETYS2025 Y1 Appendix B.

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SSEN TRANSMISSION

SP TRANSMISSION

NATIONAL GRID ELECTRICITY TRANSMISSION

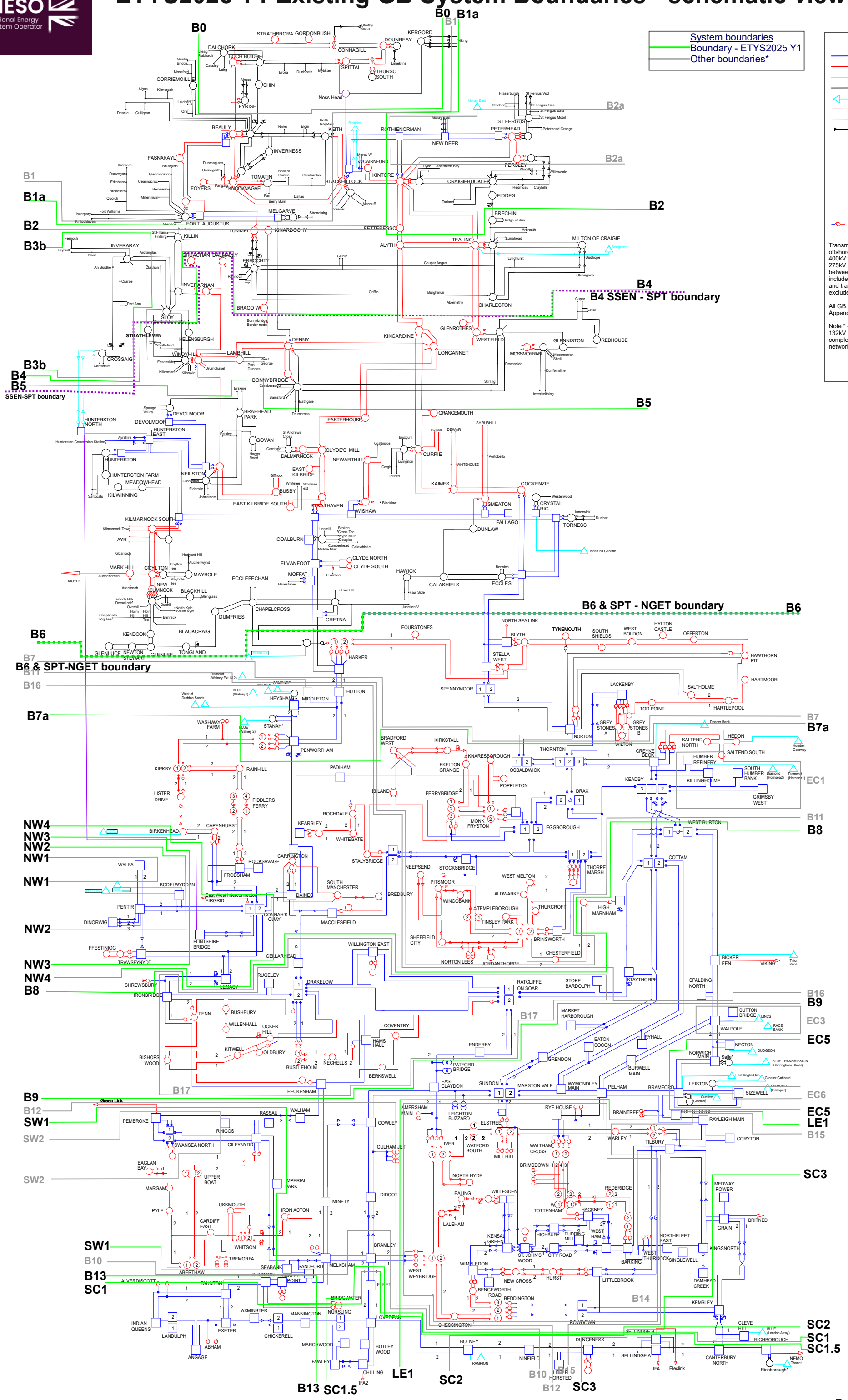


ETYS2025 Y1 Existing GB System Boundaries - schematic view

System boundaries
Boundary - ETYS2025 Y1
Other boundaries*

Legend

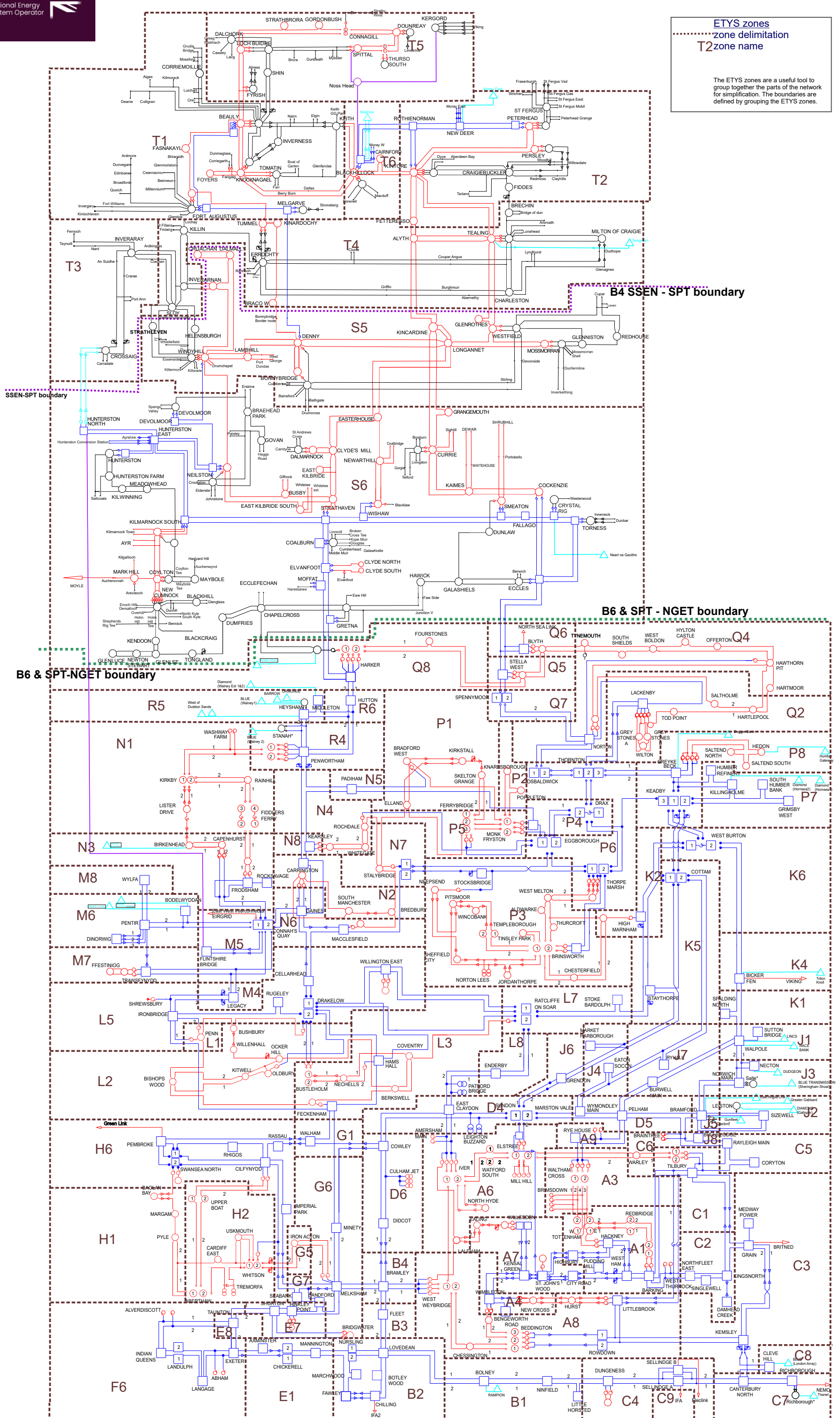
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ETYS2025 Existing GB System Boundaries - schematic view

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 - Cable >1KM
- Substations**
- 400kV substation
 - 275kV substation
 - 132kV substation
 - bus/node
- Components**
- transformers
 - QB (quadrature booster)
- ETYS zones**
- zone delimitation
- T2 zone name
- The ETYS zones are a useful tool to group together the parts of the network for simplification. The boundaries are defined by grouping the ETYS zones.
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Reactive compensation components

- MSC/MSCDN
- STATCOM
- Reactor
- SVC
- Synchronous Compensator

Reactive compensation plants at the HVDC or OFTO terminals are not listed on this diagram.

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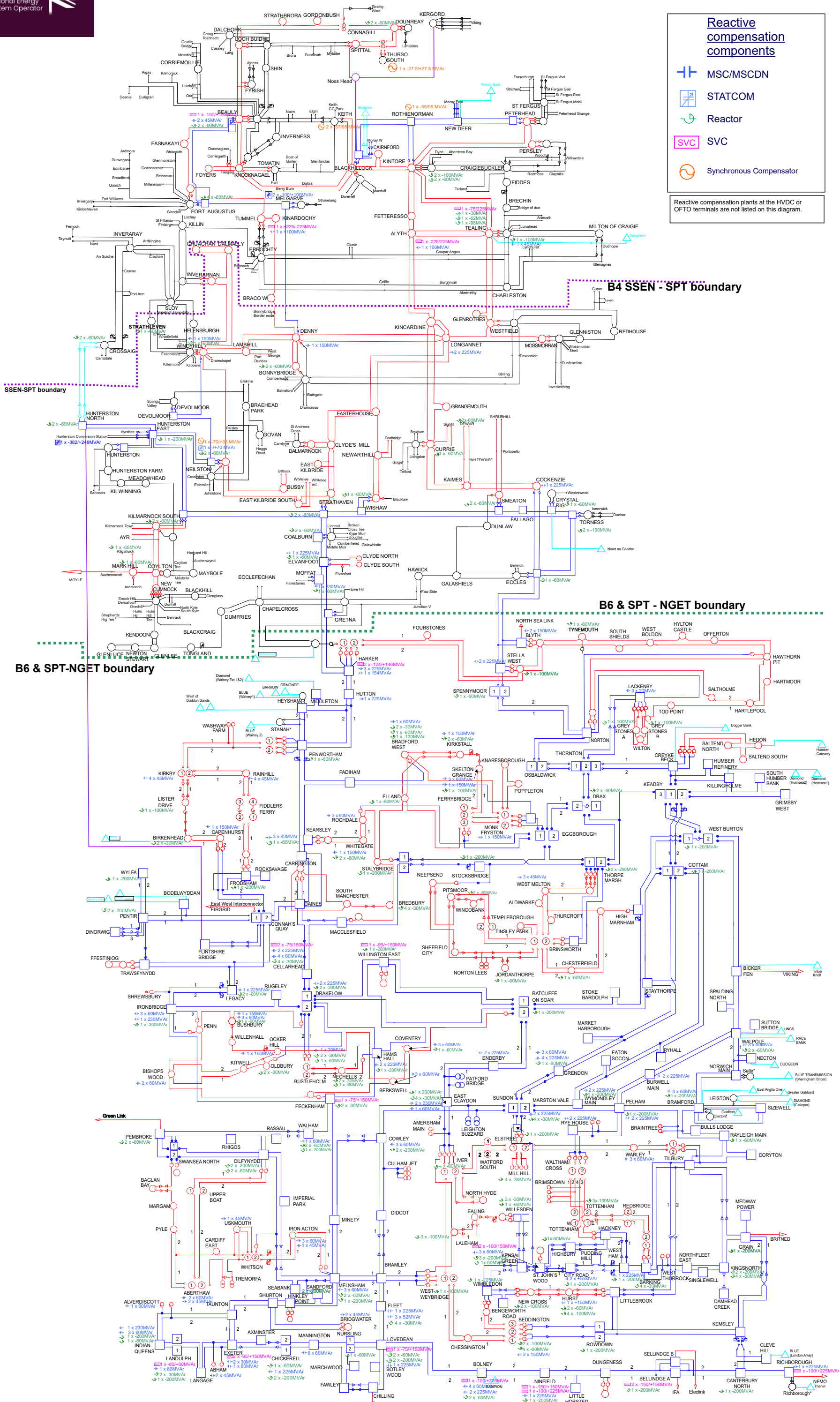
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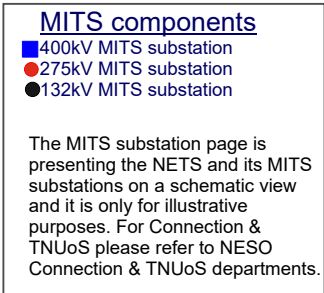
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