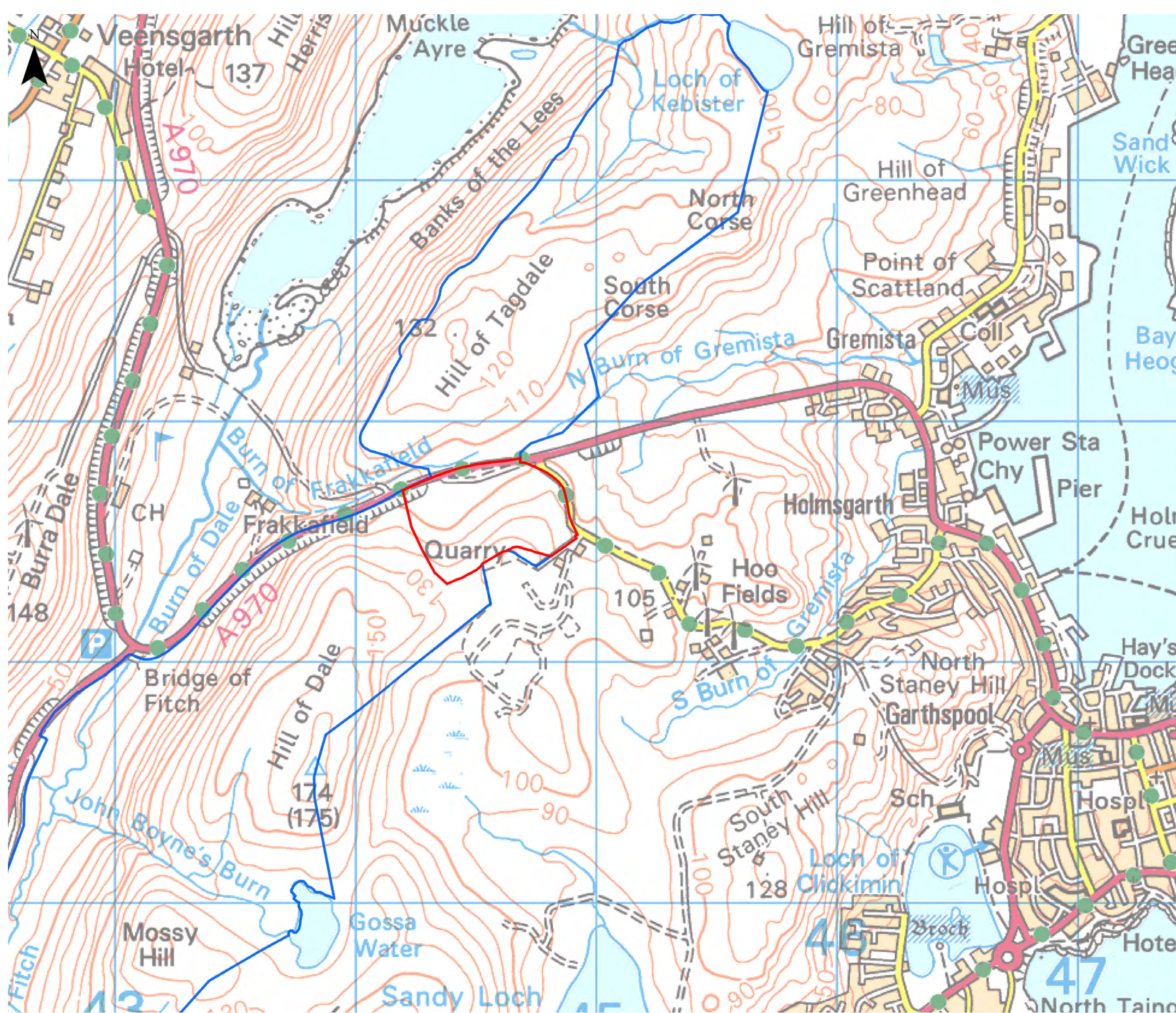
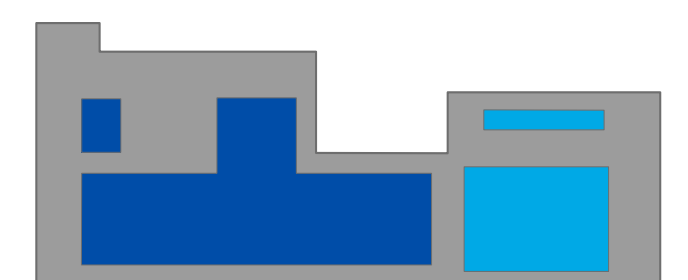


Site Location



Proposed site boundary shown in red

The footprint of the substation area is expected to be between 1.0 and 1.2 hectares and less than 5% of the site boundary area.

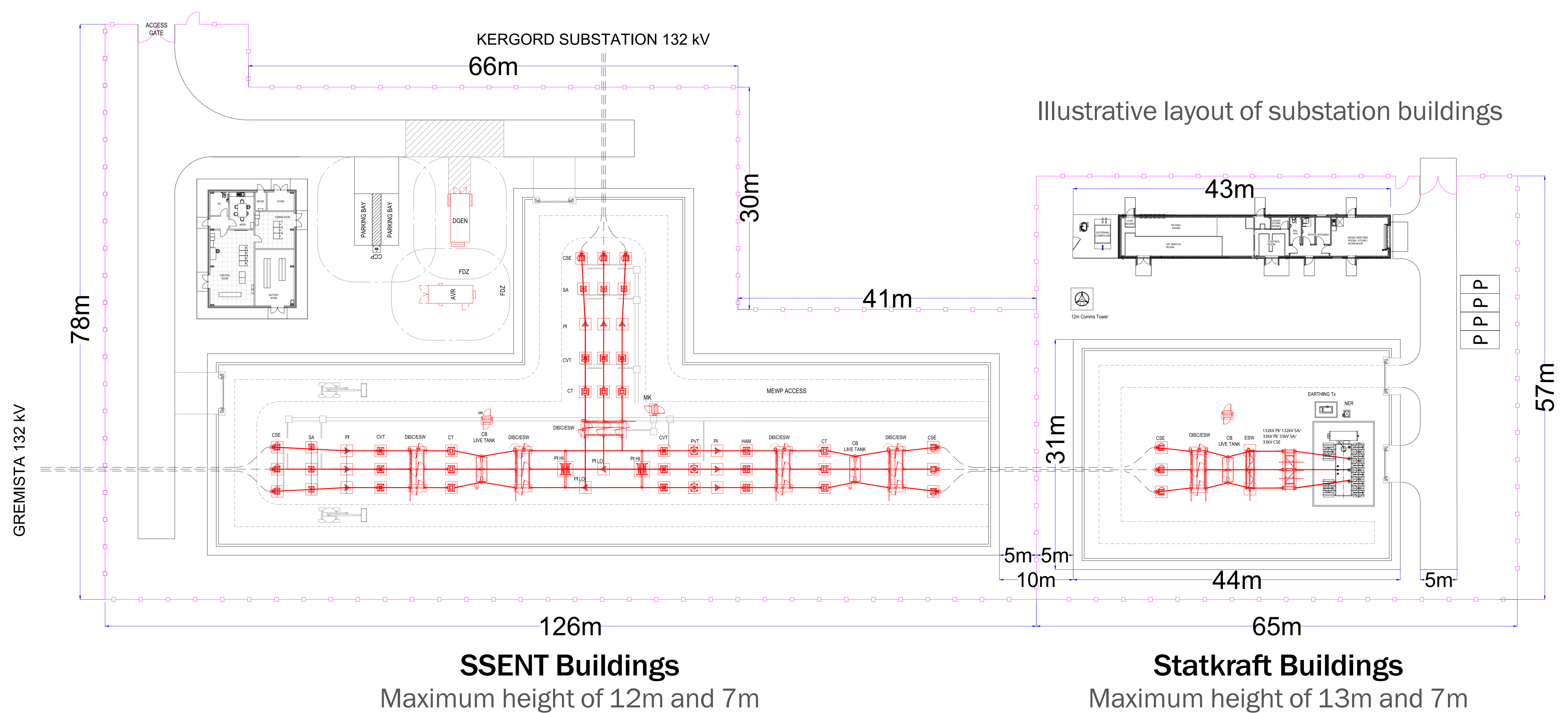


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The substation site is located at the northern end of the consented wind farm, south of, and close to, the main A970 road running through the wind farm site. Access will be via the junctions already consented for the wind farm, (off the A970, to the north, or off Ladies Drive to the east).

A large area has been defined in the Proposal for Application Notification (PAN) submitted to Shetland Island Council (SIC). This allows plenty of flexibility for the final layout and exact location to be defined following further studies and feedback from stakeholder engagement.

Substation Site Plan



Why is the substation in this location?

As the new Kergord to Gremista cables run right through the site, it makes sense to locate the substation as close to these cables and the wind turbines as possible. Moving the substation away from this location would involve more cables, excavations and ground disturbance. The site has been extensively surveyed in the past as part of the wind farm development. A smaller substation was consented on the site previously and the new proposed substation is within the boundary of the consented wind farm.

What equipment will be housed in the buildings?

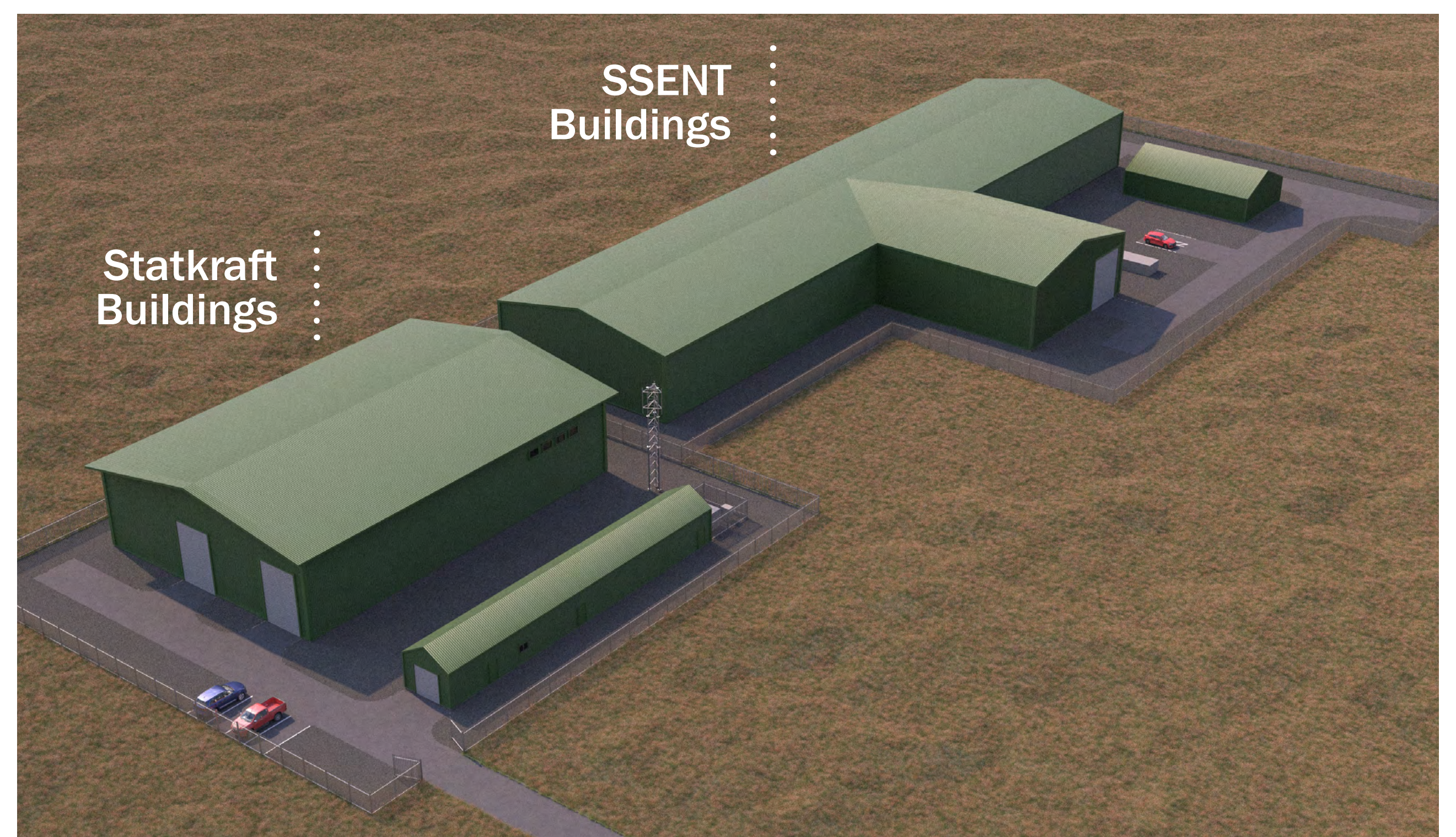
The SSENT building will house electrical equipment to ensure reliable and secure operation of the connections to Gremista Grid Supply Point (GSP), Kergord and to the wind farm. This equipment includes large switches, isolators to allow the switches to be repaired and maintained, measuring devices and protection equipment to limit the risk of damage to the local network in the event of faults.

Landscape and Visual

A Landscape and Visual Appraisal (LVA) would be produced which would assess the proposed substation development. The scope would comprise the following key elements:

- A study area from the site will be agreed in consultation with SIC and form the basis of the LVA.
- Representative viewpoints would be included following consultation with SIC to ensure that they are content with the final representative viewpoint list. The viewpoints will form the basis of the visual appraisal.
- Photography will be carried out at all viewpoints and photo sheets produced.
- Visualisations of the proposed development will be produced from representative viewpoints.
- A landscape masterplan will be produced, illustrating soft landscape treatment and embedded mitigation within the proposed development design.

Further visualisations will be presented at the second round of public exhibitions.



Illustrative 3D image of the proposal



View looking west from the site