



Every employee and contractor, working for Northern Powergrid, should go home at the end of each shift uninjured and in good health after a productive days work

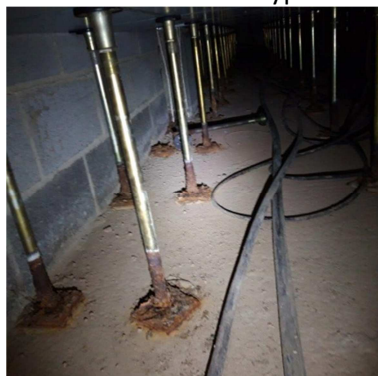
## **‘Computer floor’ in EHV Sub-stations**

During a period in the 1990’s, a type of floor known as a ‘computer floor’ was installed in some new build EHV substations. This type of construction created a floor slightly higher than the concrete floor slab below allowing cables to be laid in the void. The floor tiles of the Computer floor are supported on metal struts.

A typical substation with a ‘computer floor’.



A recent 159 report identified significant corrosion to the lower section of some of these struts at Yarborough Road 132/33kV substation in Grimsby. As a result of these findings a programme has been created to identify all substations with this type of construction to allow a full condition survey to be carried out.



Where significant corrosion is found timber boards will be laid over the tiled floor as an interim measure to allow safe access and egress within the substations until the struts are replaced. This arrangement is now in place at Yarborough Road 132/33kV and also Santon 132/33kV substations along with signage.

We aim to identify and survey all the sites affected during June and July but in this interim period Operational staff need to be diligent when entering sites with this type of construction.

If in doubt please contact a member of the Building and Civil team for guidance.

Managers should ensure a copy of this brief is issued to all staff who do not have access to email as soon as possible