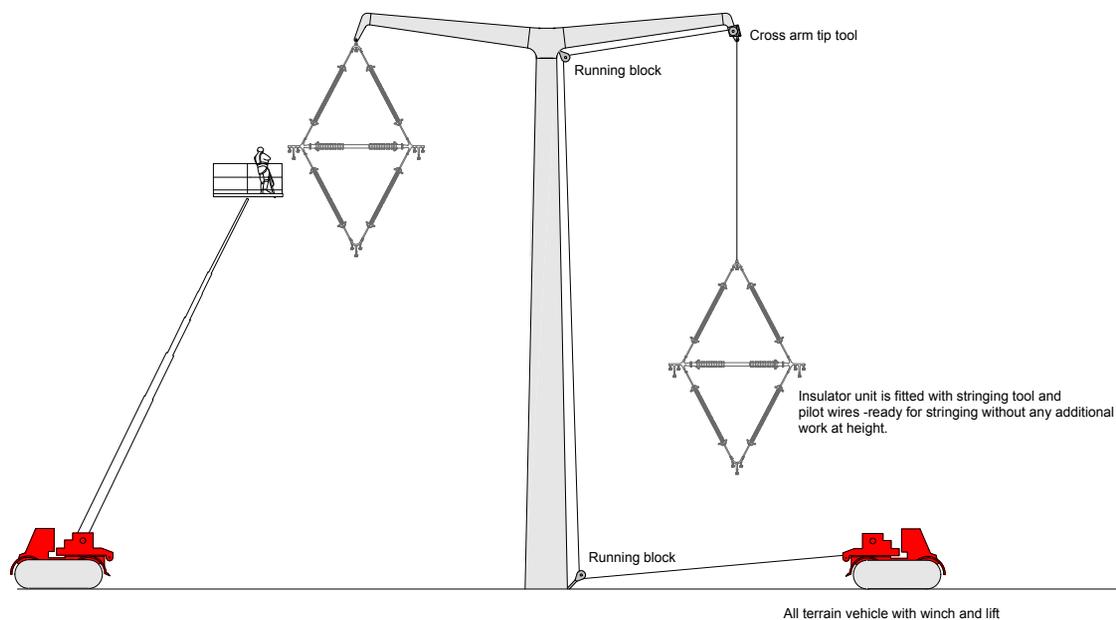


MAINTENANCE

Compact towers are easy to maintain from the ground



In general, BYSTRUP power pylons are built of fewer than ten parts. Contrary to the lattice tower, the construction of our pylons is highly optimised. We aim at no need for replacement of any parts - except in case of physical damage. We expect the main structure of the pylon to require no routine maintenance.

Lattice towers are normally built of steel made weather resistant by hot-dip galvanisation and/or painted to protect each part of the structure from the wear and tear during its anticipated lifespan of 40-45 years. If weathering steel is used for the pylon, the maintenance requirements during the entire lifespan will be close to zero.

Bystrup pylon designs are able to maintain from a "cherry picker" (or MEWP/ Mobile Elevated Working Platform) designed to give safe access for the work crew. The boom of the MEWP can either be non-insulated for work on a "switched-off" system or insulated to withstand high voltage in compliance with our plans for future work on live wires.

A raised platform allows maintenance crews to work alongside the area they need to access. This saves time climbing up and down and raises health and safety standards compared to traditional modes of operation.

The MEWP approach is considerably quicker and allows attaching trolleys that run along the wires, rather than suspending a platform next to the work area.



Mobile insulated lift for maintenance

If necessary it is possible to install temporary systems allowing climbing for inspection or maintenance. The system can be applied irrespective of the towers, pylons, masts, poles function, its building material and the arrangement of the conductor cable.



The system offers its user multiple safety features through a firmly fixed connection to a rail. The connection of the climbing devices to the rail ensures to climb safely whilst making missteps or falls nearly impossible. The rail can solely be climbed by using a climbing device and therefore prevents any unauthorized access.