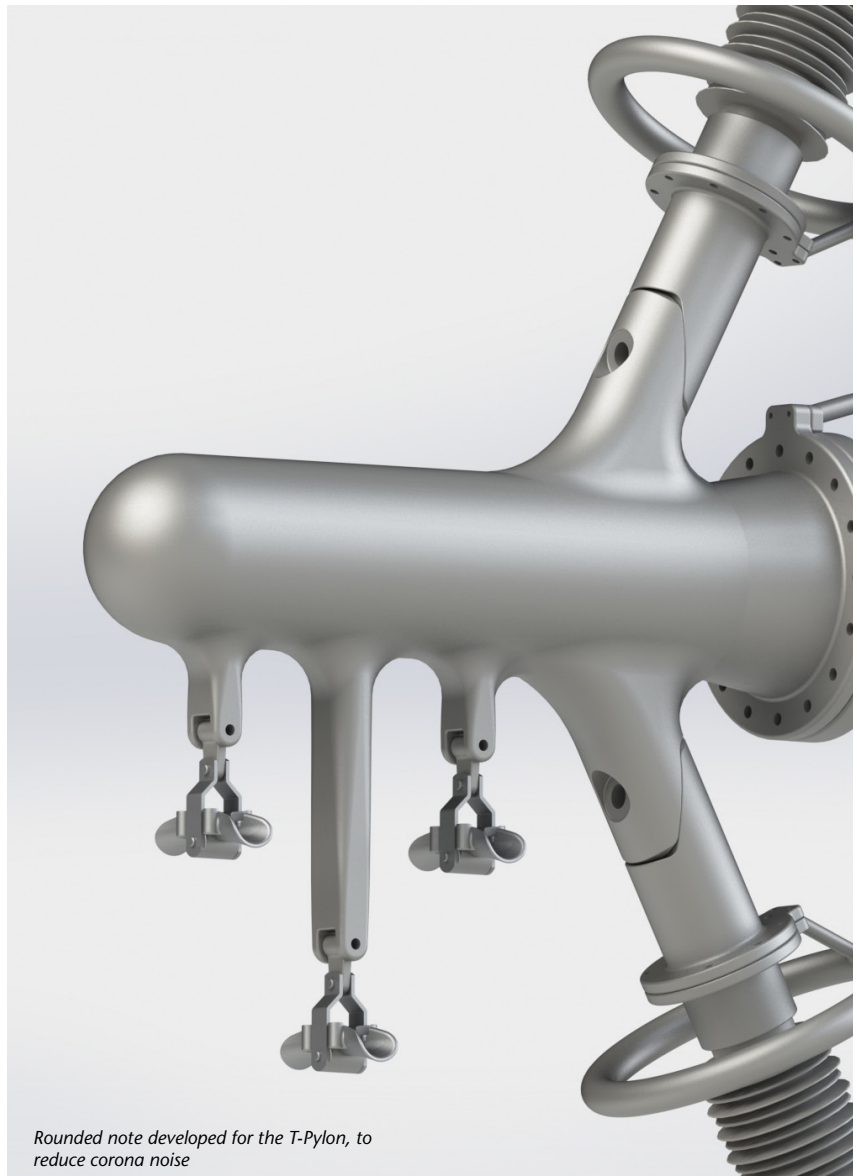


# REDUCED NOISE

## Reduced corona noise by using optimized fittings

Noise from a power pylon is something that worries people – is it dangerous?

The noise derives from electrical peaks created at sharp edges and corners on metal parts connected to the power cables. To level out the noise, normally large corona rings are added, as seen on the above illustration.



*Rounded note developed for the T-Pylon, to reduce corona noise*



*Electrical test of the insulator unit at STRI, Sweden*

Instead of adding bits and pieces to the design in order to make it work, BYSTRUP has designed and optimized the fittings in a way so the need for corona rings is eliminated and the corona noise is reduced. This has been achieved by smoothing and rounding all corners and edges, as seen in the illustration. This has been tested at STRI electrical test facilities in Sweden.