The task
An aluminum cable with a diameter of 60 mm$^2$ is to be welded to a nickel-plated copper terminal with an acute bend. The weld itself should be as narrow as possible.

The solution
The unit is welded on a PowerWheel machine.

The advantages
With longitudinal welding the minimum width of the weld would be 15 mm with this material. Using PowerWheel technology it is possible to achieve a narrower weld of 13 mm width without any problem. The technology offers additional advantages with regard to the geometry of the terminal.

The application was carried out on a TSP3000 using additional components for the special rigging.