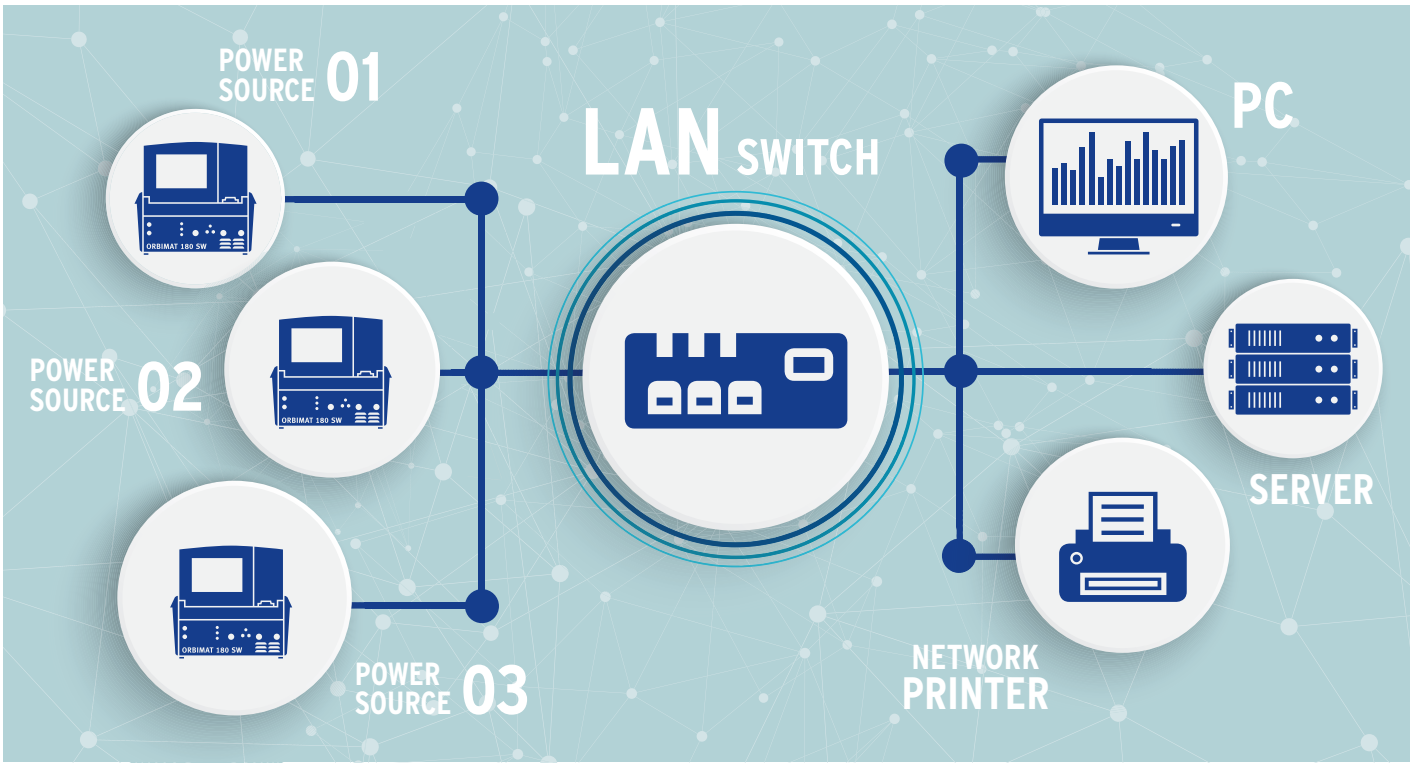
Connectivity upgrade

for MW, SW and PW power sources

Welding parameters
in local network environments
Backing up and further processing

The optionally available connectivity upgrade enables integration of the MW, SW and PW power sources into a local network environment (LAN). Welding programs can thus be saved to centralized network storage locations and managed & backed up for the long term there. Power supplies integrated into the network can access the centrally saved programs and their folder structure at the same time. This ensures that all power supplies always have access to the latest version of the data, even if subsequent adjustments are made to programs.



The MW, SW and PW power sources feature an extensive, user-supporting documentation solution for digitally recording documentation parameters ahead of the welding process, e.g. the material and gas batch number, isometric number, weld seam position and the welder ID.

The documentation parameters to be entered are queried before the respective start of the welding process. Whether a parameter value can or must be entered once or for each weld can be individually defined.

This entry can be made either using the virtual keyboard, an external USB keyboard or efficiently using the separately available bar code/QR code scanner. The option of documentation of the general conditions applicable for the welding programs, e.g. forming and welding gas types and volumes, electrode geometries, weld head alignment and operator comments round out the documentation process.

All recorded parameters can be recorded together with the generated welding data in a welding data log and saved digitally. These welding data logs can then be saved at the network storage location automatically, backed up for the long term and edited from there.
This makes it possible to considerably reduce and simplify the documentation effort for users.

In addition to network storage locations, other network resources like network printers can also be accessed. In this way, welding logs and programs can be directly output locally via a printer over the network upon request.

Using the "Industry 4.0/IoT" data protocol "MQTT", the MW, SW and PW power sources can be integrated into industrial environments 4.0 and "Machine-to-Machine" (M2M) communication can be established between devices and controllers. In this way, subscribers can exchange various different telemetry data, measurement values and parameters with one another and receive control commands for automation solutions.

The connectivity upgrade is activated using a license key which can be entered directly into the power source software. In this way, all relevant functions and interfaces can be immediately activated. A separate connectivity package is required for the release of each welding power source.