

Our own power supply



Schierle Stahlrohre GmbH & Co. KG is the largest storage facility for cylinder tubes and chromed rods in Europe.

Our strength is our service, trading and finishing.

OUR BIG FIVE FOR YOUR SUCCESS:

:: seamless and welded cylinder tubes

:: chrome plated rods

:: chrome plated tubes

:: hydraulic line tubing

:: mechanical manufacturing on machines in-house

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Technical Challenge:

Roof

The Schierle Stahlrohre company buildings in Neuss and also at the Schkeuditz/Leipzig site have a foil roof that does not allow the photovoltaic fastened by drilling or doweling. Therefore, a construction was required that could withstand the wind load on the 8 meter high and free-standing buildings by way of ballasting.

Due to the enormous thermal insulation and large self-supporting spans, however, only a load reserve of 23 Kg/m² was available at the same time. This challenge was solved by the Knubix company: A mounting system completely clad with stainless steel guides the arising wind currents in the best possible way and strengthens the contact pressure of the solar system on the hall roof. The ingenious track system also distributes the forces over the entire installation area. Extremely low ballasting is then all that is needed to comply with the wind and snow loads with optimum stability.

Generating Energy:

Our HQ in Neuss:

1364 modules 240 wp each

total output:

327,36 Kwp

Our Site in Schkeuditz/Leipzig:

222 modules 240 wp each

total output:

54,39 kwp

System Components "Made in Germany"

High-quality monocrystalline solar modules from the German company IBC, Monosol 240 TT, were installed in the system in Neuss and Schkeuditz. The 34 mini-central inverters are from the German world market leader SMA.

System output

The systems generate approx. 350,000 kWh of electricity per year, which corresponds to the consumption of approx. 1.000 households. The photovoltaic systems save approx. 250 tonnes of CO₂.

