



Purchase and sale of steel material,
production of frame scaffolding and falsework
and steel construction
www.hesco.cz



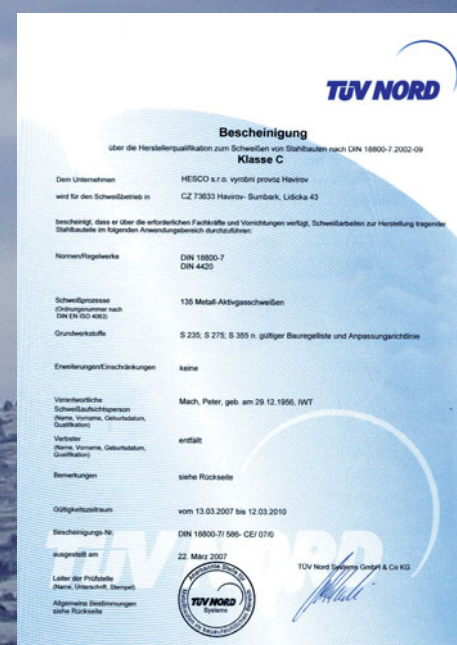
The HESCO company is certified by the TÜV NORD company.

The company has owned following certificates:

QMS acc. to EN ISO 9001:2000, No. 04 100 010286 from the certification company
TÜV NORD CERT GmbH since 2001.

Certification acc. to EN ISO 3834-2 issued via TÜV NORD Czech, s.r.o.,
valid until 15 August 2010.

Certificate for production of steel constructions acc. to DIN 18800/7, Class "C",
issued by the TÜV NORD Systems GmbH in Essen on 22 March 2007,
DIN No. 18800-7/585-CE/07/10 valid until 12 March 2010.



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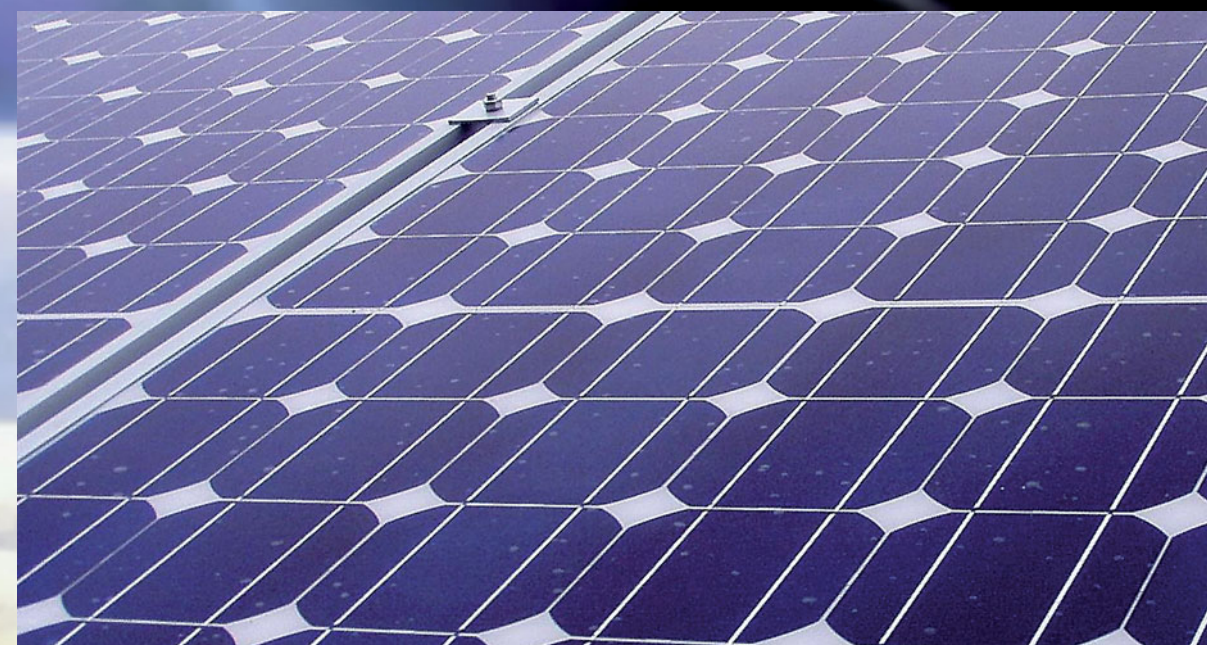


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inexhaustible sun energy

Photovoltaic power stations



*Production and assembly
of supporting steel
constructions for solar systems*

Supporting steel construction for solar systems HESCO 3-SKH-002

The supporting steel construction is formed by separate segments, each of them is formed by simple plane framework made of hollow closed (rectangular or square) and open C sections (profiles). In order to comply with requirements of DIN 18800/1 these sections must be hot-rolled to eliminate concentration of an unfavorable voltage in corners of the sections (bent parts). The sections comply with EN 10210-1, 2 and EN 10219-1, 2.

Construction embedding is designed from round pipes $\varnothing 76 \times 3.5$ mm, screwed in the ground 1.3 m deep. Supporting posts are inserted into these embedding elements during assembly and sized $\varnothing 60 \times 4$ mm. Arrestment (fixing) device is done by screws. Diagonals are made of 4HR profiles 50×3 mm and 40×3 mm. Upper part of the construction used for gripping the solar panel is formed by open C profile $48.5 \times 44.2 \times 17 \times 3.5$ mm and aluminium longitudinal H profiles. Bracing by steel wires 6.3 mm is designed constructively to ensure the shape of the bearing structure in the assembly stage and to restrict deflection of the transverse frames in the longitudinal direction. The span of transverse frames, longitudinal aluminium profiles and structure inclination depend on weather conditions in the building area and a type of installed photovoltaic panels. All elements of load-bearing steel structure for solar panels are made of S235 steel grade and surface finished by hot-dip galvanizing, connection accessories are zinc-coated and stainless steel.

Certificate of competency:

The HESCO company as a producer is certified in the field of production of supporting steel constructions for solar systems acc. to the standard DIN 18800/7 issued by the certificate and inspection company TÜV NORD Czech, inspection report No. 439084/01.

