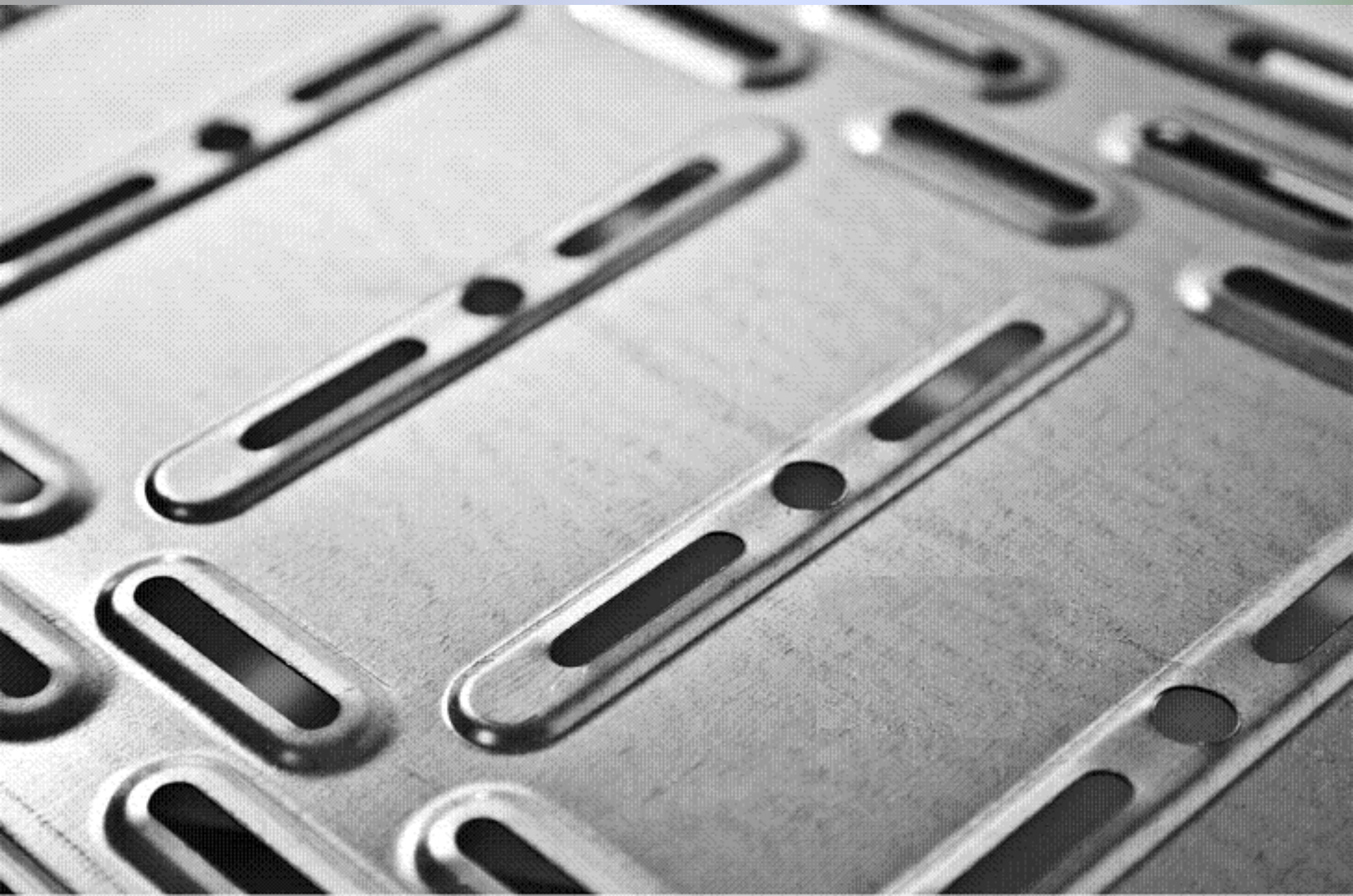


The Company

- **Founded in :** 1977
- **Head quarters :** Izmir / Turkey
- **Employee :** 120

- **Open Area :** 3.500 m^2
- **Closed Area :** 6.500 m^2
- **Total Area :** 10.000 m^2

The Company

TEKOM has signed a joint-venture agreement in 2006 with PUK-GROUP Kunststoff - Stahlverarbeitung GmbH Co., a German entity known as one of the greatest producers in the field of cable management systems in Europe.

This group of companies reaches to a workforce of 1.100 people worldwide and with a total consolidated turnover of 220 million Euro.

PUK Benelux B.V.

TEKOM MIDDLE EAST FZE

PUK Portacables

PUK România

P&K ENERGO

EL PUK

TEKOM

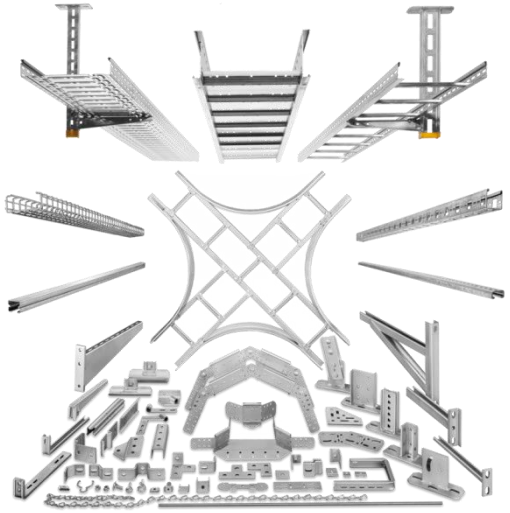
VTC Verzinkerei Trebbin GmbH

JORDAHL

H BAU TECHNIK

Our Main Products

Cable Tray Systems

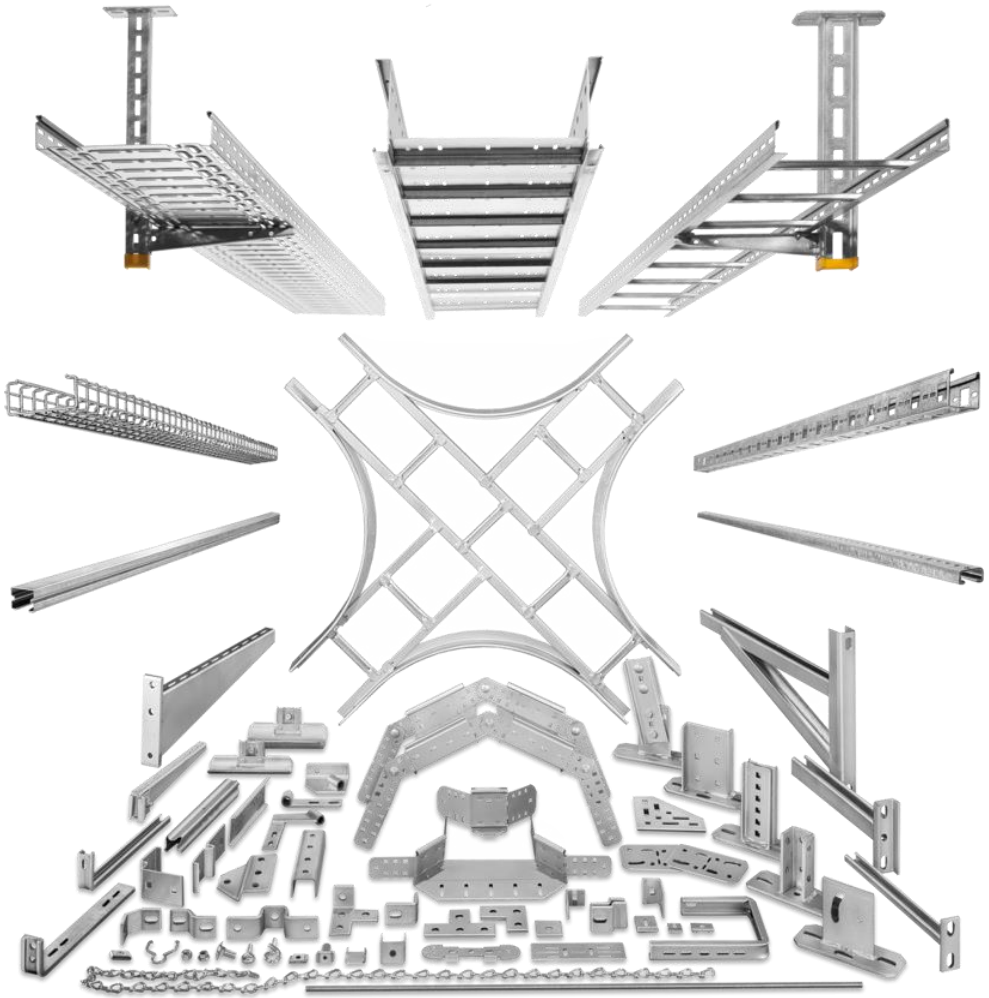


Underfloor Trunkings

Cable Clamps

Mounting Structures for Solar PV Power Plants

Products

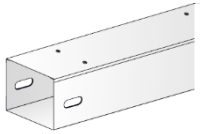


→ Wire Mesh Cable Trays

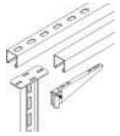
→ Perforated Cable Trays

→ Cable Ladders

→ Widespan Cable Ladders



→ Cable Trunkings



→ Support Systems

→ Fastening Hardware

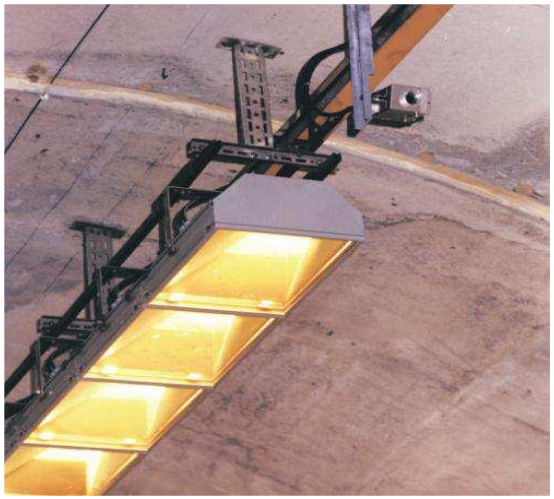
→ Special Programs

Galvanized

Pregalvanized
(as per DIN EN 10346)
- for normal applications

Hot-Dip Galvanized
(as per EN ISO 1461)
- for higher corrosive atmosphere
- outdoor applications

Stainless Steel



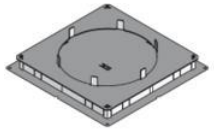
Stainless Steel
in different grades
- AISI 304,
- AISI 316,
- AISI 316L

Powder Coated

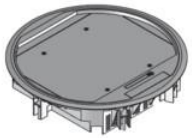
- UV-resistant
- extra corrosion protection
- suitable for different architectural applications

Products

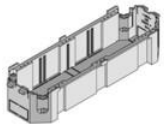
→ Screed flush duct systems



→ Floor trunking systems

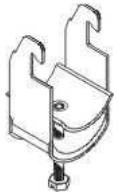


→ Installation units for screed and hollow floors

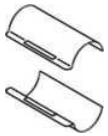


→ Device installation cups, installation devices

Products



→ Cable clamps



→ Vats

→ HF-cable clamps

→ Fastenings

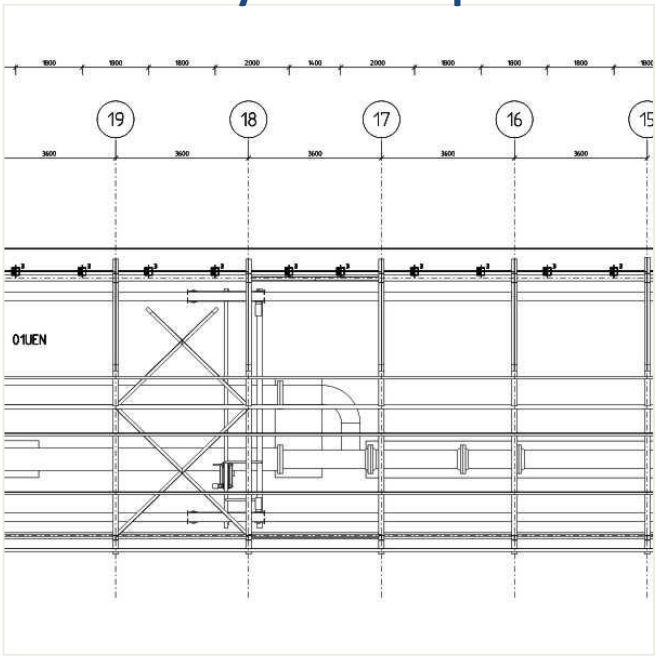
Mounting Structures for Solar PV Power Plants

Complete set of services:

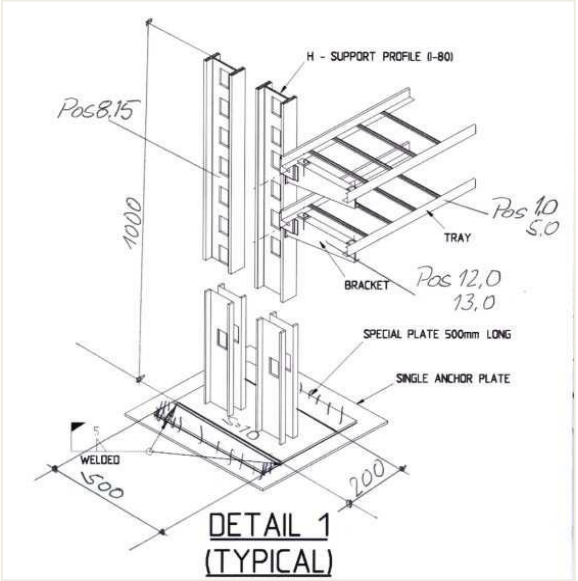
- Site specific design and engineering
- Field Tests
- Manufacturing of Profiles
- Site Preparation (ramming, piling or concrete)
- Rack and PV Module Assembly

Planning and Engineering...

...from your basic plans...



...we are planning your cable tray systems in detail...



...making the static calculations...

Statische Berechnung
A9 Pyhrnautobahn Detail B UA=1,6m

Statischer Nachweis
A9 Pyhrnautobahn Detail B

Teil 1: R 100-25 E4 mit RD 25 E4

Eigengewicht: $g = 1{,}35 \cdot 0{,}061 \frac{kN}{m} = 0{,}08 \frac{kN}{m}$

$\Rightarrow V_{gd} = g \cdot 1{,}6m = 0{,}131kN$

Kabel: $p = 1{,}5 \cdot 0{,}2 \frac{kN}{m} = 0{,}3 \frac{kN}{m}$

$\Rightarrow V_{pd} = p \cdot 1{,}6m = 0{,}48kN$

Schnee: $s = 0{,}75 \cdot 0{,}25 \cdot 1{,}5 = 0{,}281 \frac{kN}{m}$

$\Rightarrow V_{sd} = s \cdot 1{,}6m = 0{,}45kN$

ohne Schnee: $Q_{ohn} = g + p = 0{,}38 \frac{kN}{m}$

$\Rightarrow V_{ohn} = Q_{ohn} \cdot 1{,}6m = 0{,}61kN$

mit Schnee: $Q_{mit} = g + p + s = 0{,}661 \frac{kN}{m}$

$\Rightarrow V_{mit} = Q_{mit} \cdot 1{,}6m = 1{,}06kN$

horizontale Belastung durch Wind am Kabelkanal (Querrichtung):

$H_q = 1{,}5 \cdot 2{,}28 \frac{kN}{m^2} \cdot 1{,}6m \cdot 0{,}1m = 0{,}547kN$

KUM 030 E4: $V_{ges} = V_{mit} + 0{,}03kN = 1{,}09kN$

$P_{max} = 2{,}3kN > V_{ges}$ $\Rightarrow$ **i.O.**

horizontale Belastung durch Wind an Z-Profil, Kabelkanal (Längsrichtung):

Kabelrinne: $A_{Rinne} = 0{,}25m \cdot 0{,}1m = 0{,}025m^2$

Z-Profil: $A_{Z\text{-}Profil} = 1m \cdot 0{,}022m = 0{,}022m^2$

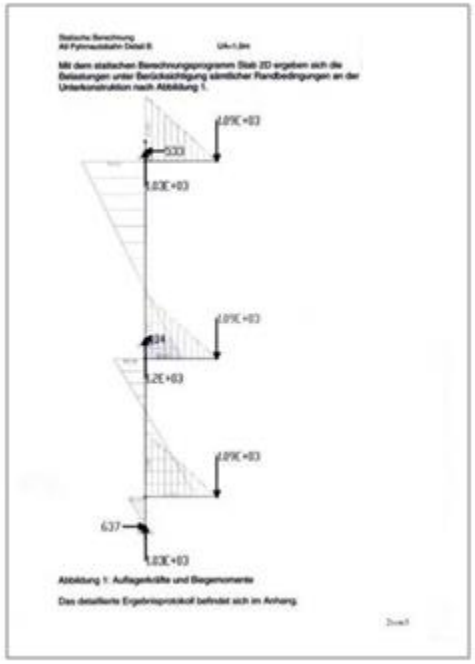
Gesamtfläche bei drei Lagen:

$A_{ges} = 3 \cdot A_{Rinne} + A_{Z\text{-}Profil} = 0{,}047m^2$

$H_z = 1{,}5 \cdot 2 \cdot 0{,}82 \cdot 0{,}8 \cdot A_{ges} = 0{,}191kN$

Teil 2: System und Belastung

Im ungünstigstem Belastungsfall wird die in Zeichnung Nummer SK 03-2498 c dargestellte Unterkonstruktion mit drei Lagen ausgeführt.
Die horizontale Windbelastung quer zur Kabelrinne muss bei der weiteren Berechnung vernachlässigt werden, da sie ein Moment um den Befestigungspunkt der Konsole erzeugen würde. Dieses würde den Kräften, welche durch die Erdbeschleunigung hervorgerufen werden, entgegen wirken und somit die Konstruktion entlasten. Der höchste Belastungsfall tritt also ohne Windlast ein.

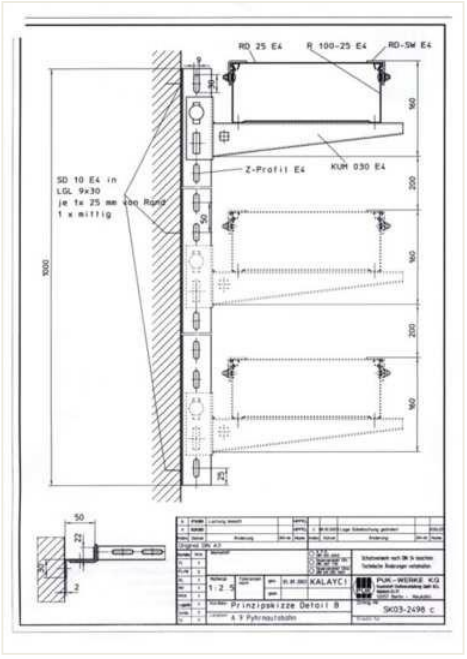


Statische Berechnung
A9 Pyhrnautobahn Detail B UA=1,6m

Mit dem statischen Berechnungsprogramm Stab 2D ergeben sich die Belastungen unter Berücksichtigung sämtlicher Randbedingungen an der Unterkonstruktion nach Abbildung 1.

Abbildung 1: Auflagerkräfte und Biegemomente

Das detaillierte Ergebnisprotokoll befindet sich im Anhang.



...from complex tasks...

...until difficult problem solutions.

Production

- production with state-of-the-art rollforming machines
- in 10.000 m² facilities
- for approximately 8.000 tonnes/year

Delivery

Each purchase order is being thoroughly checked and securely packed.

Tekom-Puk has all the needed **certification** to provide an excellence on its activities for **Integrated Quality Management System**

ISO 9001:2008

OHSAS 18001 Occupational Health and Safety

ISO 14001 Environmental Management

EN 61537

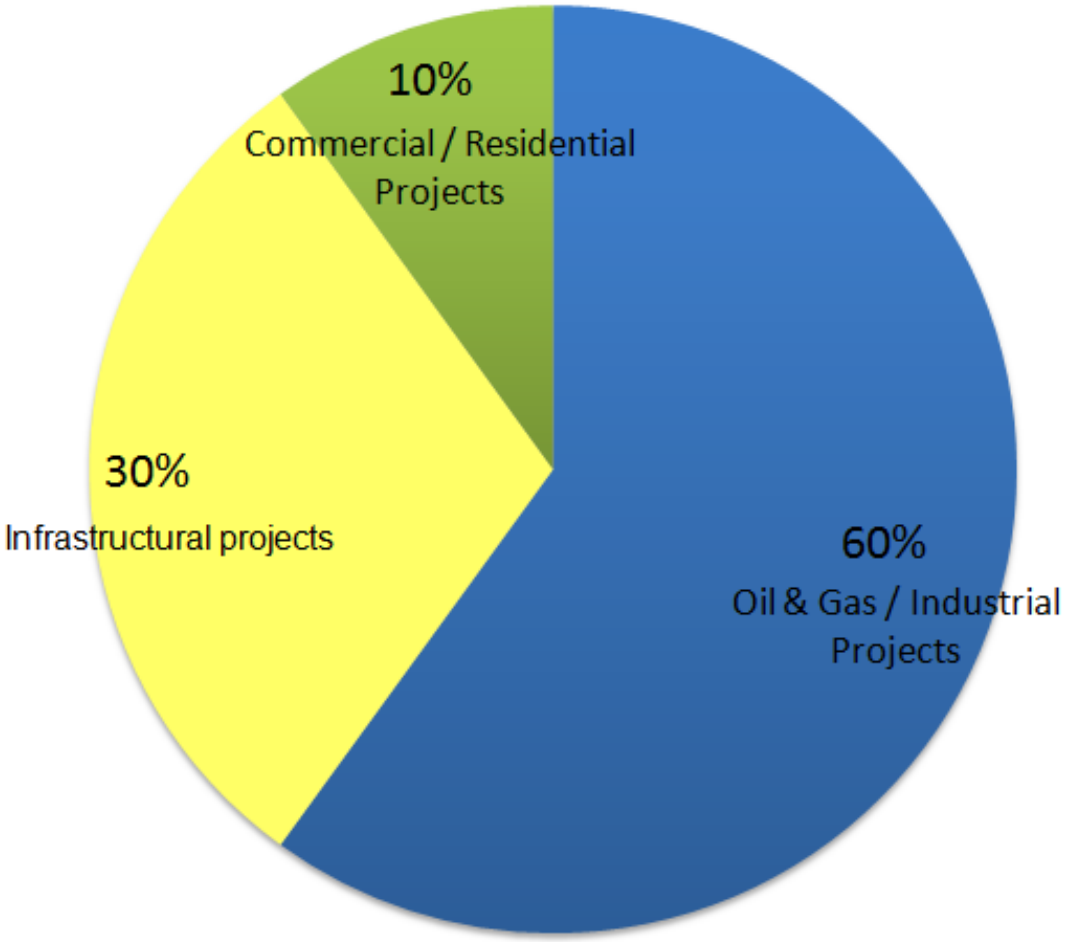
EN ISO 1461

DIN 4102-12

GOST-R

HYGIEN

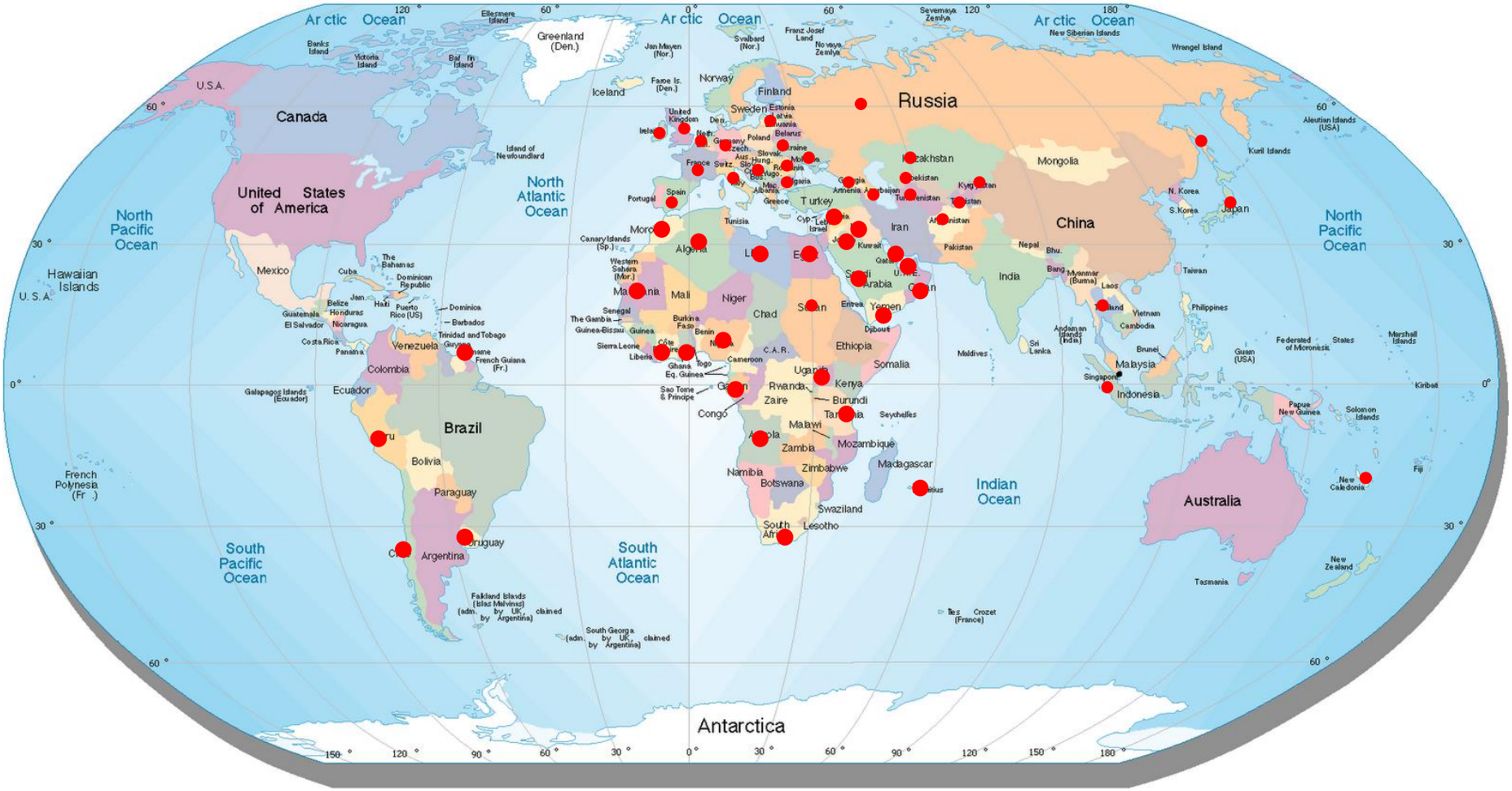
Conformity European CE



of the total sales in 2019

TEKOM-PUK's main strength and focus is on Oil & Gas and Industrial Projects that are mainly realised with :

- SIEMENS
- Tecnicas Reunidas
- LINDE AG
- ABB
- ALSTOM
- Petrofac
- SPIE
- Macchi
- Bouygues
- Nooter Eriksen
- MHI
- BECHTEL
- Larsen & Toubro
- ENKA
- GE POWER
- SIDEM / VEOLIA
- TECNIMONT
- Vinci / Cegelec
- TECHNIP,
- and many others…….



partners in more than 50 countries

Why TEKOM-PUK…

… is the **first manufacturer** of cable management systems of **Turkey – for 43 years!**,

… international experience… more than **two third** of Tekom-Puk products are **exported, mainly for mega-projects in Middle East, Russia, Central Asia and North Africa**,

… short lead times,

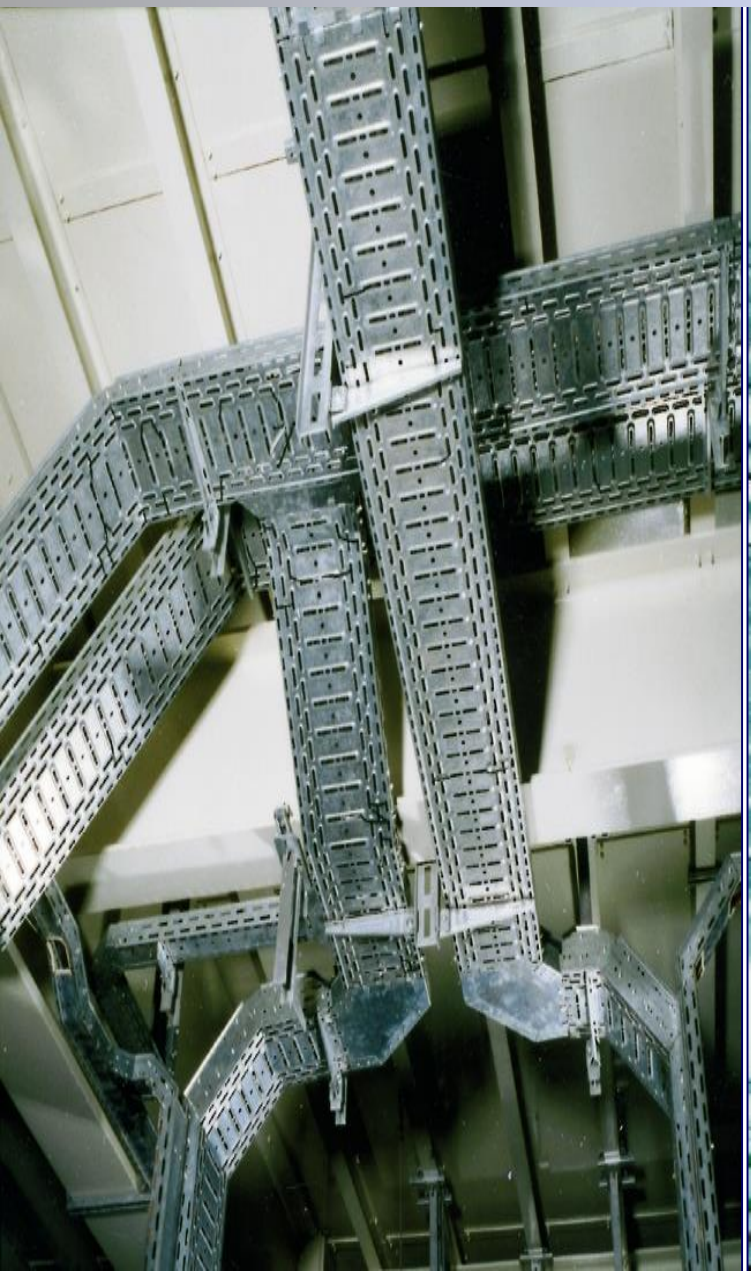
… a **complete package solution** provider starting from **basic planning** until customized **packing, delivery and project documentation,**

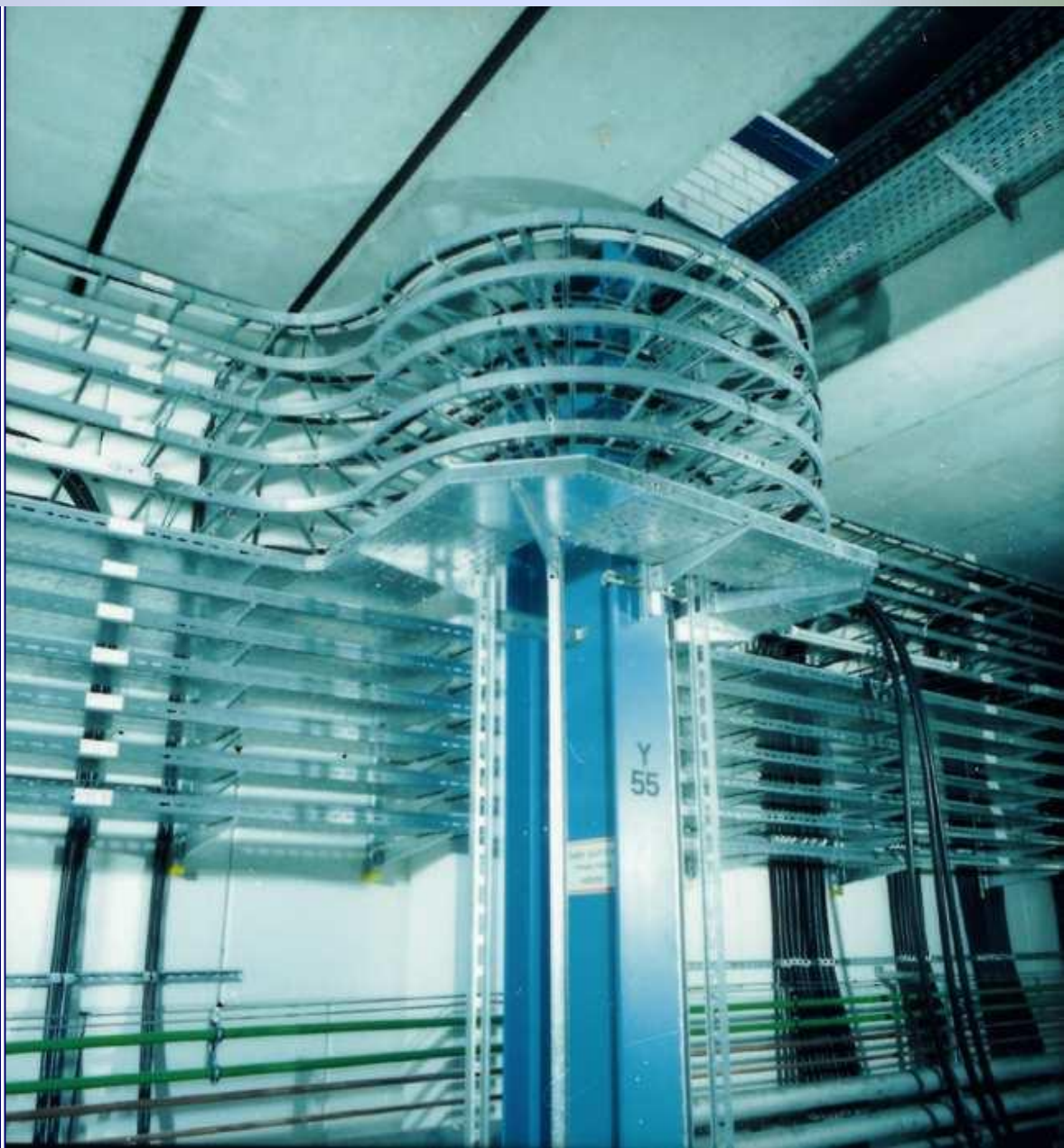
… flexible production capabilities,

… Intergrated Quality Management System to assure strict **quality control**, **environmental responsibilities, employee health** and **safety** at every stage of production,

… **detailed engineering** and **technical support at construction site**.

Examples of Use





Examples of Use

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Examples of Use

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