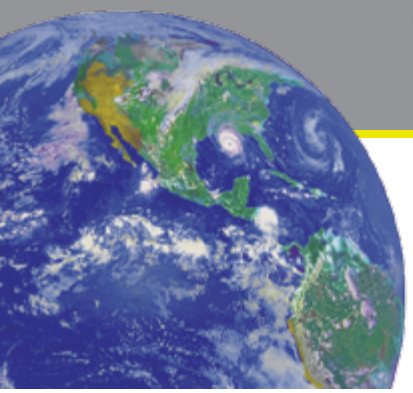
MERKUR®
POWER DISTRIBUTION

MERKUR Leading Lines in Power Distribution



MERKUR®
GERMAN TECHNOLOGY

MERKUR® German Technology is one of the leading distributors of wooden pole systems. For many years the company is supplying **MERKUR**® German Technology pole systems to turn key contractors in african and arabian markets. During the year 2014 the supply scope of round wooden poles summed up to 10 million Euro.

MERKUR® utility supplies are a significant part of our business activities, particularly products installed in LV and MV electricity networks, telecommunication networks and railway systems. **MERKUR**® specializes in:

- naturally grown creosoted wooden utility poles (pinus silvestris)
- induo® fabricated wooden poles made from FSH (construction wood)
- induo® utility pole systems complete with crossarms

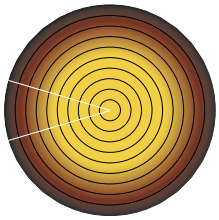
Naturally wooden poles

The IWW®-**MERKUR**® Pinus Silvestris round pole systems, including kicking baulks, are installed in LV and MV electricity networks and telecommunication networks. The products are renowned for their long service live. Due to their sturdiness and light weight they are easy to handle, especially in rugged and mountainous terrain.

Due to the special characteristics of wood they do not sustain damage during rough handling. They are most easy to fabricate and there is almost zero maintenance requirement through out their service life. Round naturally grown wooden poles are the most economical solution for utility companies , telephone companies and oilfield operators alike to build their LV and MV electricity networks.

Impregnation makes the main difference

MERKUR® offers two ranges of wooden poles: Naturally grown round wooden poles PINUS SILVESTRIS are the common standard through out the world for LV- and MV-power distribution lines, as well as telecommunication lines. INDUO iTP Engineered Timber Poles are the new state of the art poles with impregnation throughout and outstanding durabiltiy.



PINUS SILVESTRIS poles

INDUO iTP poles

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Round naturally grown wooden utility poles are produced by application of sustained forestry in northern European countries. They notably reduce the carbon footprint by storing lots of CO2 . The usage of wooden poles prevents pollution of the environment by excessive CO2 emissions, which is imminent for concrete pole and steel pole production. Round wooden utility poles are mounted worldwide in the millions for more than hundred years and to this date they are the ultimate material and resort for power distribution network operators worldwide. We take pride in the fact that our IWW®-**MERKUR**® and induo® round utility poles are having an extremely good performance record with almost zero malfunction and claim rate from our customers.

Our engineering teams can assist you concerning all questions around the construction of wooden pole electric and telephone lines.

Poles made from FSH

As the latest state to the art addition to our range of products **MERKUR**® German Technology is also marketing exclusively induo® Engineered Timber Pole Systems in the region. The induo® utility pole systems were developed in co-operation with leading German power utility companies, establishing a German wooden pole system standard for LV and MV networks. RWE Germany, a major market player in the utility sector, specifies induo® utility pole systems as their standard wooden pole equipment. The induo® fabricated wooden poles made from ITP (construction wood) have also been developed for railway tracks of the Deutsche Bahn (DB) as a welcome alternative to concrete poles and steel pole systems.

The material has excellent capabilities allowing a revolutionized optimized line layout, ideally without the necessity to use any stays and struts. Pole span can significantly be increased depending on the line layout. Thereby you save valuable ground area and lots of hardware. The ITP poles offer several advantages over round naturally grown wooden poles:

MERKUR® German Technology is on request assisting in the suitable line layout. We can also offer ITP electric line consulting and design service if required. The ITP pole systems are completed by non corrosive ITP Engineered Timber Crossarms resisting harshest climatical conditions. The unmatched strength of the material allows direct substitution of concrete and steel poles alike, if needed. The poles will be engineered exactly to the same load characteristics as defined for steel and concrete poles.

In 2014 **MERKUR**® German Technology has installed a 33kV Feeder line in Sur Oman for Mazoun Electricity Corporation. In Sur most extreme coastal weather conditions with extreme wind exposure, very high humidity and salt laden air prevail. This pilot line is the proof of concept project for our induo® ITP pole systems in the Middle East and Africa.

Railway Catenary Masts & Sleepers

induo® FSH engineered catenary timber poles have also been developed for use by the German federal railway, the Deutsche Bahn (DB), as a welcome alternative to concrete pole and steel pole systems. Creosoted wooden railway sleepers complete the **MERKUR**® German Technology range of railway technology products.

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