

Energy self-sufficient
Hydraulic Lift
Telecom tower

Lightning rod 3m

Aircraft Warning Lights

Antenna

Wind turbine 4 pcs
4 kW-10 kW

Solarpanel
4 kW - 10 kW

Hot Dip Galvanize
SFS 1461 class B

Wind Duration over 60 m/s
IEC 61400 - 2 : 2006
Class 1

Hydraulic lift

Foundation can be assembled and
installed in the soil, rock or concrete



Telecom Tower



WORKS WITHOUT INTERRUPTION

Energy self-sufficient

- Wind and/or Solar energy
- No require power grid
- Works anywhere where the wind is blowing or the sun rises
- Eco-friendly free energy solution

Hydraulic Lift

- Easy lift and lower everywhere
- Built in lifting system, well protected against vandalism etc.
- Can be used as a portable hydraulic unit, cordless drill or manual crank
- Can be lowered to protection from the storm, and lift again after storm

Foundation

- Foundation can be assembled and installed in the soil, rock or concrete
- Foundation can be installed and set up without heavy equipment
- Can be installed rough terrain, jungle, island, mountain etc.

Easy install

- Can be installed everywhere, which can be reached on foot
- Tower can be installed without heavy equipment

Self standing tube mast

- The thinnest and still strongest tube mast in the markets
- Modular structure, element length 5,8m
- Patented cell structure
- Designed according to IEC 61400-2:2006 Class I
- All parts hot dip galvanized, operation time 25 years
- Designed and manufactured in Finland

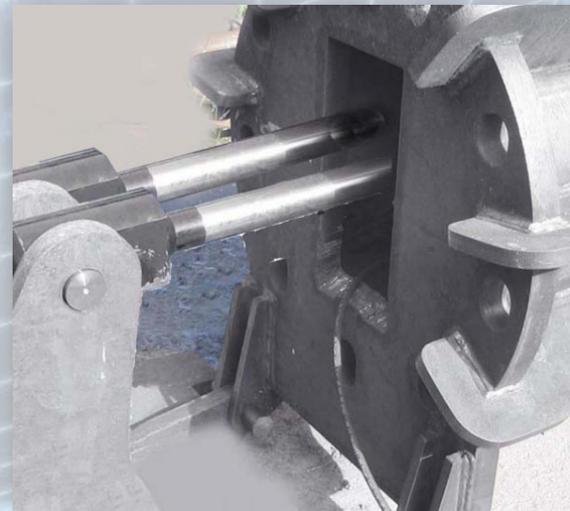


The cell structure of the mast combined with high tension steel makes the weight of tower to be only one third of what it is with traditional tube masts. The tower is probably the most light-weight and still the strongest self supporting tube mast available. Just think about the raw material saved.

Several other advantages are achieved with the lighter and modular structure. The transportation does not require extraordinary equipment and the crane needed for lifting the structure is much smaller compared to traditional design.

The design is made in accordance with IEC61400-2 wind class I.

The masts are hot dip galvanized. Designed life time is 25 years. Painting is available in all RAL colors.



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Telecom

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- Wind and/or Solar energy
- No require power grid
- Works anywhere where the wind is blowing or the sun rises
- Eco-friendly free energy solution
- Easy installation in difficult conditions



Wind energy

- 4 pcs downwind turbines side of the tower
- Total wind power 4-10 kW, according to need and wind conditions
- Reliable in operation
- Maintenance-free
- A good installation height to guarantee power return

Solar energy

- Total solar power 4-10 kW (or more), according to need
- Solar panels are height protected against vandalism



 **SIMOLIN WATER & ENERGY LTD**

