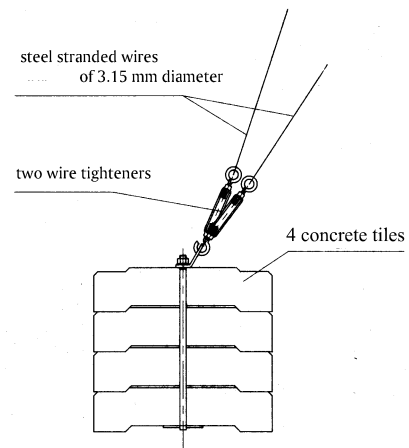


Meteorological Masts

The METEOSERVIS v.o.s. as a producer of complete automatic measuring systems for meteorology, is also a supplier of various meteorological masts and atypical constructions for attaching sensors.

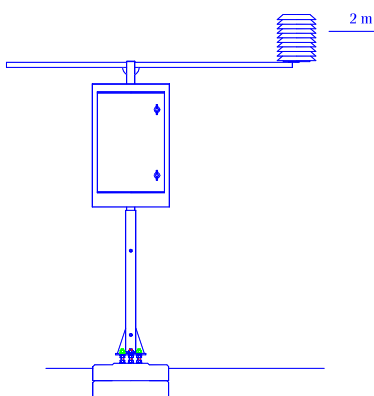
The foundation of these products is the unique system of anchoring structures to the surrounding terrain or other surface with special reinforced concrete anchoring tiles having the dimensions of 45 x 45 x 10 cm and a weight of about 45-50 kg. The tiles can be put one on top of another, connected to each other with a screw passing through their centres, and thus making anchoring blocks weighing several hundred kilograms. Such blocks can be buried into the ground (gradual piling tiles into a hole dug in advance) or they can be put on another surface (for example the flat roof of a building). Concrete poured into the ground is not used for anchoring structures and therefore, this is a structure with a minimal impact on the surrounding environment concerning installation. The structures can be easily disassembled and moved to another locality. It is possible to send them complete, including the concrete bases. Installation is carried out quickly and without time delays.

The described principle of anchoring is displayed in the following picture and possible alternatives are shown in next pictures.

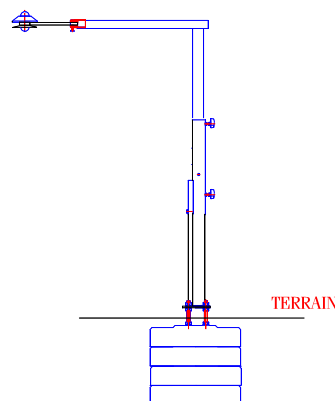


Most structures are made of iron with zinc coatings. All the joints have stainless screws, and exceptionally with screws having an anticorrosive coating. The structures, including the ten-meter high folding masts, are calculated for use at various altitudes above sea level. Reinforcing elements, including strengthened ropes and a framed structure as required, are used for extreme conditions. If possible, the masts and other structures are designed so that the cables from the sensors pass through the mast's body, the mast thus also giving mechanical protection to the cables. Plastic tubes, alternating yellow and black, are slid onto all wire strands because of safety reasons. The masts are delivered complete, including a protective lightning rod and a grounding system.

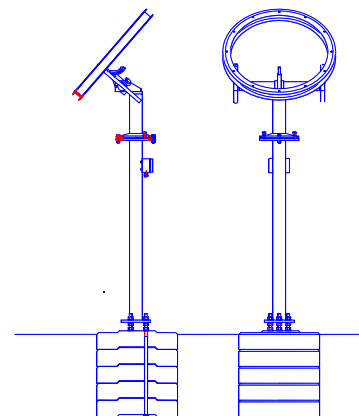
The following pictures represent a possible variants of an applications.



The simple stand with measuring station

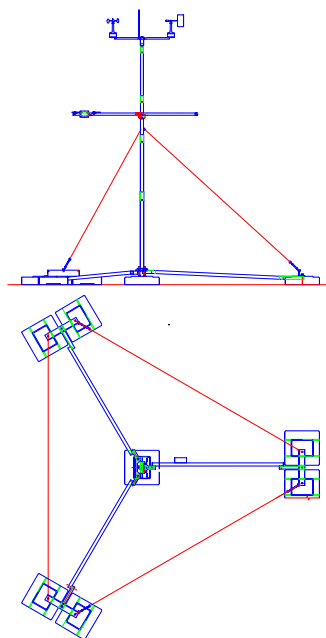
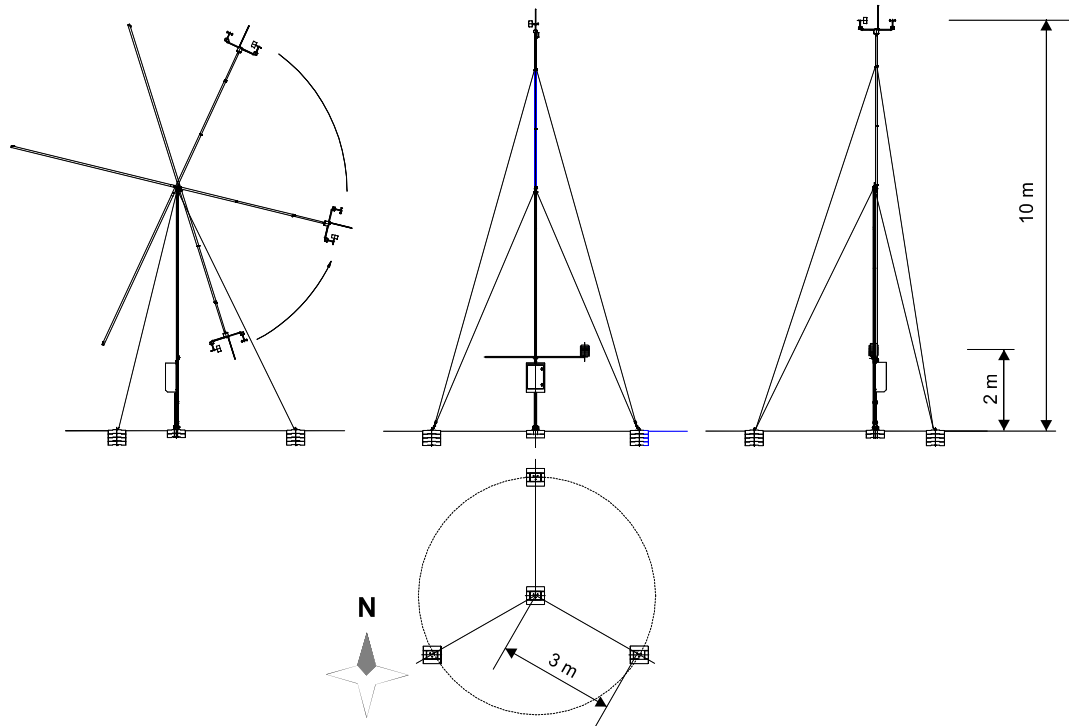


The telescopic stand for albedometer

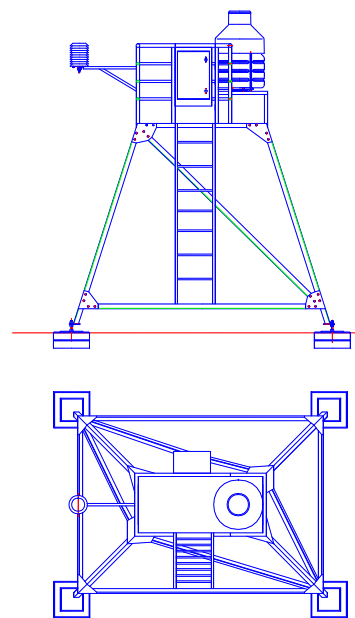


The stand with shielding circle for diffusion radiation sensor (side view and front view)

The 10 m high tilting meteorological mast .



The mast with anchoring tiles for installation on an artificial surface (e.g. on building roof)



The anchoring of the elevated measuring platform (with MRW500 weighted rain gauge here)