

The invention relates to the wind-power engineering and to the method for control of orientation of wind turbine with horizontal rotor shaft and wind turbine for realization of the method. According to the method the present invention as information on real position of the rotor of wind turbine with respect to direction of wind one uses time difference between the instants when the rotor blades are in the lower vertical position, those are determined by the reference signal of the sensor connected to the shaft of the rotor and instants when the blades are at the line between direction of wind and the mast, those are determined by periodical signal of parasitic amplitude modulation of alternating electric current generated by electric generator, caused by aerodynamical interaction between the blades and the mast. Wind turbine that corresponds to the invention includes an orientation controller that includes functional units able to form control signal for rotation of the body of the wind turbine by the time difference named.