



# MACHINE ALIGNMENT IN WECS

Misalignment between generator and gearbox is often the cause of bearing and consequential damage to the drive train components. As an expert body we carry out inspection of the alignment of the drive train on wind energy converters on behalf of investors and planning offices. This is done using a sophisticated, laser-based alignment system with measuring, alignment and documentation functions.

## Inspection

The aim of this inspection is to detect damage to the coupling and gearing damage on the generator and/or gearbox caused by excessive restoring forces. Such damage can be caused by alignment errors for example.

## Scope of inspection

Using a laser measuring system, which documents possible deviations, we can detect excessive displacement in the gearbox-generator alignment. Misalignment between gearbox and generator must be corrected.

## Inspection Result

We value your cooperation in reducing the impact on the environment. Therefore, the client/operating company/investor will receive a detailed digital survey report of every plant in the shape of a Word or PDF file in which all deficiencies identified are named, described and documented to a large extent by photos. The survey report serves for submission to the manufacturer in order to effect immediate re-alignment. If consequential damage occurs, this survey report can be used as proof of the cause of damage.