

# ***Winergy Getriebe Training***



## Borescope Training

Basic Training	Practical Training
<ul style="list-style-type: none"> <li>• Introducing the Winergy Original Service</li> <li>• Design of a wind gearbox</li> <li>• Lubrication principles of a wind gearbox</li> <li>• Possible gear failures</li> <li>• Possible bearing failures</li> <li>• Preparing an oil sample</li> <li>• Possible up-tower repairs</li> </ul>	<ul style="list-style-type: none"> <li>• Borescope inspection (theoretical part)               <ul style="list-style-type: none"> <li>- Preparations</li> <li>- Inspection of geared parts</li> <li>- Inspection of bearings</li> </ul> </li> <li>• The borescope (overview and controls)</li> <li>• Borescope inspection (practical part)               <ul style="list-style-type: none"> <li>- Simulation of a borescope field service inspection</li> <li>- Documenting and assessing the failures</li> <li>- Creating the inspection report</li> </ul> </li> </ul>
Number of Participants: Duration of training:	At least 3 participants, maximum 4 participants 3 days

## Practical Gearbox Training

Basic Training	Practical Training
<ul style="list-style-type: none"> <li>• Introducing the Winergy Original Service</li> <li>• Design of a wind gearbox</li> <li>• Lubrication principles of a wind gearbox</li> <li>• Possible gear failures</li> <li>• Possible bearing failures</li> <li>• Use of up-tower-repair devices</li> </ul>	<ul style="list-style-type: none"> <li>• Gearboxes in our training center               <ul style="list-style-type: none"> <li>- PZAB 3541</li> <li>- PEAB 4456</li> <li>- PEAB 4435</li> </ul> </li> <li>• Replacement of the HSS pinion and HSS-bearing</li> <li>• Depending on the gearbox type               <ul style="list-style-type: none"> <li>- Replacement of IMS shaft, the IMS rolling bearing and/or the pitch tube</li> </ul> </li> </ul>
Number of Participants: Duration of Training:	At least 2 participants, maximum 3 participants 5 days

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