



Winergy Gearbox Training



Endoscopic training

Basic training		Practical training	
<ul style="list-style-type: none"> Introducing the Winergy Original Service Design of a wind gearbox Lubrication principles of a wind gearbox Possible gear failures Possible bearing damage Preparing an oil sample Up-tower-repair 		<ul style="list-style-type: none"> Endoscopic inspection (theoretical part) <ul style="list-style-type: none"> Preparations Inspection of geared parts Inspection of bearings The endoscope <ul style="list-style-type: none"> Overview Controls Endoscopic inspection (practical part) <ul style="list-style-type: none"> Simulation of an endoscopic field service operation Taking pictures of damages and assessment Creating the inspection report 	
Number of participants:	Minimum 3, maximum 4 participants		
Duration of training:	3 days		

Practical training

Basic training			
<ul style="list-style-type: none"> Introducing the Winergy Original Service Design of a wind gearbox Possible gear failures 		<ul style="list-style-type: none"> Up-tower tools Lubrication principles of a wind gearbox Possible bearing damage 	
Practical training (optionally)			
1. Gearbox PZAB 3541	2. Gearbox PEAB 4456	3. Gearbox PEAB 4435	
<ul style="list-style-type: none"> Change of HSS-pinion shaft and HSS bearings 150, 151 and 152 Change of pitch tube 	<ul style="list-style-type: none"> Change of HSS-pinion shaft and HSS-bearings 150 and 151 Change of IMS-pinion shaft and IMS-bearings 450, 451 and 452 (rotor- and generator side-bearings) 	<ul style="list-style-type: none"> Change of HSS-pinion shaft and HSS-bearings 150 and 151 Change of the IMS-pinion or the rotor side-bearing 451 Change of the generator side-bearing 450 	
Number of participants:	Maximum 2 participants		
Duration of training:	5 days		