

Why using **ec-works** for eddy current inspection

Arguments	Description	Remarks/Benefits	
Kind of company	- Specialized in eddy current technique, nothing else Solutions for inspection problems of all kind of heat exchanger e.g. condenser, distiller, preheater, cooler, not only a “service company”	Development of probes, software, manipulators and test pieces with artificial defects for the right calibration	
Size of company	35 people, not to small for big jobs and not to great to provide high quality service anytime	- Up to 10 Teams parallel on one job - More than 20 equipments available	
Experience	- Most of operators 10 years up to 15 years - Supervisor up to 25 years	Reliability of the interpretation of the eddy current signals is on the highest level (the most important thing to get right results)	
Equipment	- Newest available eddy current instruments - Multi channel systems for differential and absolute method to find small defects(pittings, cracks) and large scale defects (erosion, overall thinning)only by one run of the probe	- Own probe construction and manufacturing - All software made by own employees - Own workshop for mechanical and electrical solutions	
Documentation	- Always possible to do, anytime - Picture of tube sheet with defect classes - Plugging plan, immediately available after inspection of last tube - Summary in many kinds	- Actual results for meetings - Discussion with real information how to continue the inspection work - Making decisions during the eddy current job for calculation of new tubes or plugs	
References	- Nuclear power plants in Europe - Conventional power plants worldwide - Refineries in Europe - Chemical plants worldwide	- RWE, EON, Vattenfall, Eskom - Siemens. Alstom, Babcock Borsig - Shell, Exxon, BP, Conoco, Agip, Total, Kuwait Petroleum, Orlen - Krupp Uhde, Linde, BASF, Hoechst	

Please note: you never get the best results for the cheapest price