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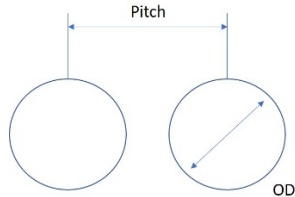
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BWC PRE INSPECTION QUESTIONNAIRE AND CHECKLIST

Fill out all below field and return to:

<mailto:info@inspection-robotics.com>

Customer	
Site and Address	Please provide exact address of site
Contact	Please provide contacts of people to include in communication with their role
Inspection Date	

Scope of work	
Tube range	Tube size OD: xxxmm Tube wall thickness: xxxmm Tube pitch: xxxmm 
Boiler geometries	Height (internal): xxxxmm Length: xxxxmm Width: xxxxmm
Cleaning method	Cleaning: High pressure water jetting?
Scope of cleaning	Please specify: Bottom, wall, roof, corners?
Cleaning result	Level of cleanliness: Any standards or guidelines to follow?
Wall thickness measurement	Preferred Inspection system <input type="checkbox"/> Probe size, and max cable length <input type="checkbox"/> Pulsar/Receiver size, weight, communication interface (USB, Eth etc.)



Scope UT	Resolution of wall thickness measurements required? E.G. 1 spot per sqm
Visual inspection Scope	Visual inspection required? Provide Details
Documentation	
Drawings	Boiler geometry: Manhole and nozzle sizes and locations, Tube size, spacing and wall thickness Size and angle of each wall, Tube orientations on each wall, Obstacles
Surface condition	General condition of the Boiler, coatings (concrete, fireclay, etc.) debris etc. Maximum layer thickness the crawler can drive on, considering a save assumption is 2mm/0.07"
Inspection reports	Previous inspection reports with stated condition
Inspection procedures	Inspection procedures including standards, precondition, after condition, allowed measurement method, reporting
Pictures	Pictures describing the expected condition of the boiler, tubes e.g.
Deployment	
BWC	Are all stairways and access points big enough to transport the BWC to the deployment point / manway? Crawler dimensions (Length x Deep x Width in mm): 1200 x 425 x 410 Weight: 80 kg



Manway	<p>Deployment by hand at ground level: Minimum diameter of the manway is 500 mm? Minimum distance to the handrail is > 1500 mm?</p> <p>Deployment by special tool at height: Minimum diameter of the manway is 600 mm Minimum distance to the handrail is > 2000 mm?</p> <p>Distance inside the boiler from the manway to an obstacle is > 1500 mm?</p>
Inspection & cleaning equipment BWC	
Control Station / Operator platform	<p>Location must be close to the deployment point/ manway. Max. inspection and cleaning range of the crawler is 30 m minus distance from the control station to the deployment point/ manway. Power supply: 100-240V/20A</p>
Water pump	<p>Location max. 30m from deployment point/ manway Water supply: 10 – 30 l/min Power supply: 400V, 32A</p>
BWC safety rope	<p>Deployment point / hold point (min. 10kN strong) located on the top and outside of the boiler a for each wall to clean and inspect.</p>
Overview camera	<p>Placed inside of the boiler to ensure a permanent surveillance of the BWC during an inspection. Can be located on the bottom of the boiler or in a manway on the opposite side of the BWC during the inspection. Power supply: 240V, 10A</p>
EHS	<p>Waste management depending on used cleaning method</p>

Attachments, send in addition