



**ETN**  
Global

## Working Group initiatives & objectives for 2024

Disseminate state of the art and best practices of digital solutions for rotating machinery for power industry					
WG Name	Digital Solutions and Diagnostics	Chair	Ian Macafee (WIKI)	Co-chair	Yiguang Li (Cranfield University)
Project lead	TBD				
Core team	TBD				
ETN officer in charge	Giuseppe Tilocca, Rene Vijgen				
Initiative description					
<b>Short project description</b> The project aims to disseminate state-of-the-art knowledge and best practices within the industry through comprehensive documentation and an engaging webinar series.					
<b>Key Activities:</b>  1. <b>Best Practice Document:</b> <ul style="list-style-type: none"><li>• User requirements: establish and express the user need and requirements leading to the development and deployment of digital solutions</li><li>• <b>Starting Point/Reference Documentation:</b> Use the latest R&amp;D Recommendation report as the foundational document for the best practice guide.</li><li>• <b>Gap Analysis:</b> identify and highlight gaps in current technology against the ideal state represented by the user requirements. Produce a gap/opportunity matrix to categorize and prioritize gaps identifying opportunities for research or implementations.</li><li>• <b>Content Development:</b> compile detailed sections on current best practices, emerging trends, and innovative solutions; include practical recommendations and guidelines for implementation; core and working group member to provide and contribute with writing this information in addition to retrieve it from the webinar series</li></ul> 2. <b>Webinar Series and training opportunities:</b> <ul style="list-style-type: none"><li>• <b>Framing the Webinars:</b> structure each webinar to tell a cohesive story that aligns with the overall goals of the project. Ensure each session has clear objectives and expected outcomes. Ensure a balance amongst various stakeholders (OEMs, Service Providers, Suppliers, R&amp;D) and technologies</li><li>• <b>Collaborative Contributions:</b> Engage members of the DIG WG and ETN to share their expertise. Present case studies, applications, and specific technologies relevant to the industry. Address current challenges and needs, providing real-world examples and solutions. Potentially engage new companies/universities with promising solutions or new approaches.</li><li>• <b>Education:</b> organise and promote training session and tutorial of basics at ETN Global and external events (e.g. ASME, ENLIT).</li></ul>					
<b>Objective setting</b> The project aims to effectively disseminate critical knowledge and foster industry-wide adoption of best practices by combining thorough documentation with an interactive and narrative-driven webinar series.					

<b>Expected outcome</b> <ul style="list-style-type: none"> <li>• Best practices Report</li> <li>• Gap Matrix (as part of the report)</li> <li>• Webinar Series</li> </ul>			
<b>Implementation of the activities</b>			
<b>Project execution</b> TBD			
<b>Project finances</b> No funding in addition to possible expenses for travelling is expected.			
<b>Meeting schedule and dissemination</b> Meeting will be held once per month in the initial phase of the project and then will occur when needed, approximately every second month			
<b>Deliverables &amp; Milestones (max. 1 per each objective)</b>			
<b>Deliverable 1</b>	List of speakers (webinar) and List of contributors (report)	<b>Timing</b>	September 2025
<b>Deliverable 2</b>	Draft programme	<b>Timing</b>	October 2025
<b>Deliverable 3</b>	Draft report and gap matrix	<b>Timing</b>	April 2025
<b>Deliverable 4</b>	Webinar outcome	<b>Timing</b>	April 2025
<b>Deliverable 5</b>	Final Report	<b>Timing</b>	June 2025
<b>Milestone 1</b>	Kickoff webinar	<b>Date</b>	March 2025
Explain briefly.			
<b>Milestone 2</b>	Kickoff report	<b>Date</b>	2025
Explain briefly.			
<b>Project timeline</b> Please see above			