

Invitation to Press Conference:

Turbine efficiency and life-time improvements through innovations in blade condition monitoring with passive thermography, AI and ground based inspection techniques.

Dear Sir or Madam,

Join us for a press conference on innovative AI-driven blade condition monitoring techniques. Ground-breaking advancements in efficiency and real-time blade condition tracking will be presented by the **Bundesanstalt für Materialforschung und -prüfung "BAM" (German Federal Institute for Material Research and Testing)**, AI start-up **LATODA**, and rotor blade inspection company **Romotioncam™**. The focus will be on how the integration of thermographic and visual monitoring with AI technology is improving AEP, turbine lifespan, and overall efficiency.

Event details:

Location: WindEnergy Hamburg, Messeplatz 1, 20357 Hamburg

Date, time: 2024-09-24, 3:00pm to 4:00 pm.

Room: Shanghai 3

Agenda:

- QI-Digital: A framework to foster the digital quality infrastructure of tomorrow, [Dr. Claudia Koch, Digitalization of Quality Infrastructure, BAM]
- Presentation 1: Enhancing Wind Turbine Performance and turbine lifetime with ground based passive thermography inspection techniques [Dr. Michael Stamm, BAM]
- Presentation 2: AI-Powered detection and condition monitoring of blade damages [Dr. Lars Osterbrink, CTO LATODA]
- Presentation 3: Ground-based inspection systems avoiding turbine downtime and increasing assessment frequency
Holger Nawrocki, CEO Romotioncam™
- Q&A

About the efficiency initiative of BAM, LATODA and Romotioncam:

The joint initiative within the QI-Digital framework develops efficient innovative blade condition monitoring and inspection techniques and analyses damages in thermographic images with object detection by artificial intelligence. The project is led by BAM, with major contributions from LATODA and Romotioncam. The initiative focuses on enhancing wind turbine efficiency and lifespan through early detection of leading edge damages for blade condition monitoring. A website about the project is available for you:

<https://www.bam.de/Content/EN/Projects/KI-Visir/KI-Visir.html>

We welcome registrations in advance by email to info@latoda.de.

With best regards



Daniel Hejn
CEO, LATODA