

## RT'2022 16<sup>th</sup> Quantitative InfraRed Thermography Conference

## Laser-thermographic crack detection on an industrial scale

by P. Menner\*, A. Dillenz\*, A. Elrikh\*\* and M. Taglione\*\*

\* edevis GmbH, Handwerkstr. 55, 70565 Stuttgart, Germany, philipp.menner@edevis.com \*\*Framatome/Intercontrôle, 4 rue Thomas Dumorey, 71 100 Chalon-sur-Saône, France, axelle.elrikh@framatome.com

## Abstract

Flying spot thermography can be used for crack detection in metallic, ceramic and polymer components. However, many systems and applications are still limited to lab scale. The Athena system from Intercontrole/Framatome uses a rotatable laser line which is scanned collinearly with the IR camera field of view over the component surface in multiple direction to reduce the influence of emissivity. This setup now has been industrialized with state-of-the-art components and optics design to raise both the performance and the technology readiness level. This paper presents the increased performance of the LTcam system on reference samples and some applications.

