AE - BASED INTEGRITY ASSESSMENT

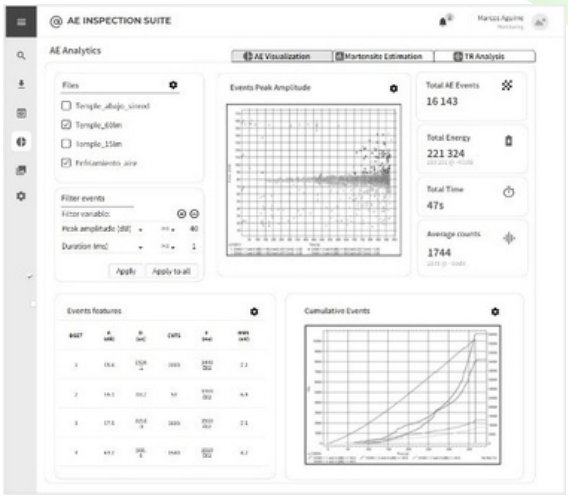
Rotative machinery condition monitoring that detect early-stage damage for industrial components using AE signal analysis

SOLUTION DESCRIPTION

This solution predicts the quality of the product and anticipates possible defects arising during its manufacturing process by means of acoustic emissions (AE).

It includes **AI tools and data analytic services** with the aim of developing quality control techniques to infer relationships between different signal parameters, such as signal amplitude, duration, counts, energy, or rise-time among others.

This will allow operators to stop the production and adjust the manufacturing process thus avoiding the discard of a whole batch of difficult to reprocess material.



MAIN BENEFITS

With AE-BASED INTEGRITY ASSESMENT it's now possible to detect defects in an early stage:

- Automates martensite estimation
- NDT in-situ hardness estimation.
- Data-based martensite estimation (no experience needed)
- Avoid the discarding of whole batches

PRODUCT OWNERS

Dira

ikerlan
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