L&T Technology Services

AiKno based Material Test Report (MTR) Validation

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Challenges

- While procuring the materials(example metals, plastics, rubbers), the actual specifications and the material test reports were analyzed manually which was time consuming, prone to errors and was affecting team productivity

- Customer works with multiple vendors who would submit these MTRs in their respective formats in scan format with varied quality. The Quality Inspectors validate these test reports against their Technical Specifications which would take around 25-30 minutes time.

- LTTS developed an AI based assistive solution to reduce the manual time and human errors.

Ideal Solution

- The MTR validation tool supported to reduce the dependencies on individual human knowledge, and provided consistent quality output by improving productivity as MTR validation was high volume and repetitive job across different client facilities

- Application enabled end users to quickly validate and verify the MTR documents uploaded by the vendor against their own specifications reducing time efforts and errors.

Desired Outcomes

- 1.5 million savings to client
- Fast turnaround to its stock
- Inspection time reduced from 20min to ~6min

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AiKno based Material Test Report (MTR) Validation Tool

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The Key features of AiKno based Material Test Report (MTR) Validation Tool

Time saving

✓ The MTR Validation Tool saves Inspectors time and reduces the human errors and dependencies.
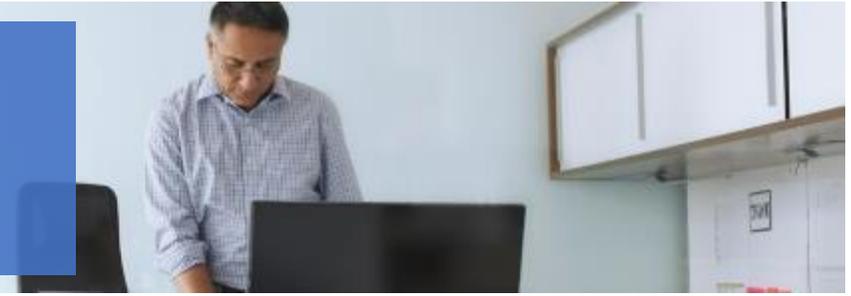
Accessibility & Security

✓ Tool is accessible from 5 different locations and devices, allowing easy sharing of extracted reports between teams and customers

✓ The MTR Validation Tool provides high, secure, capable of managing and protecting sensitive data.

Multi-Format Export

✓ The MTR Validation Tool allows export of results/reports in multiple formats like PDF, Excel, or CSV, enabling wider access to data.

AiKno based Material Test Report Validation Tool is having industry-leading features, coupled with our deep domain expertise, enables us to offer a one-stop-solution for end-to-end MTR Data Extraction Validation assistive solution.

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The Key features of AiKno based Material Test Report (MTR) Validation Tool

Solution Alignment

User-friendly interface	Assistive data entry	visualization
An easy-to-use interface that allows users to upload MTR documents and extract the information and validate easily with any manual corrections as per need.	The MTR Validation Tool is capable of automatically extracting and showcasing data from MTR and specification documents to assist the data validation and error corrections.	The MTR Validation Tool offers visualizations like charts and graphs that display Inspectors work in a simple and easy-to-understand format.