



Solution Sheet

Intelligent Document Analytics

Physical documents are still in use in business operation scenarios across industries from healthcare to financial services. Whether it is legal contracts, insurance claims, KYC documents, mortgage applications, patient onboarding forms, or invoices, documents continue to exist in large volumes and often hamper digital transformation. The ability to process these documents with precision and speed is extremely valuable for making decisions and managing operations.

Persistent's Intelligent Document Analytics Solution

Persistent's Intelligent Document Analytics solution helps you simplify the digitization, analysis and classification of such business documents to unearth important information. The solution works across documents of different sizes, layouts, formats and quality of print without needing any changes in configuration.

It uses image pre-processing technologies, optical character recognition (OCR) engines and named-entity recognition systems to automatically capture and identify documents, extract fields and draw actionable insights. The solution enables you to integrate the extracted information with a range of applications such as Salesforce and SAP and put it to use in the course of everyday business.

With Persistent's Intelligent Document Analytics solution you can:

- \ Enable faster processing and pattern identification
- \ Make decisions confidently with a 97% accuracy level on document scans and analysis
- \ Integrate results easily with existing business applications as well as legacy and bridge systems
- \ Experience productivity improvements with reduced manual errors and digitized information powering workflows

Unlock data stored in documents

Capture insights fast and accurately

Work across document formats and sizes

Integrate with everyday applications

Customer Story: Accelerating AI-enabled Lung Cancer Diagnosis for LungLifeAI

Challenges

- \ LungLife AI, a molecular diagnostics company, sought to speed up lung cancer diagnosis with faster analysis of microscopic images and accurate probe identification
- \ Time-consuming process of analyzing microscopic images and detecting probes
- \ Huge data volumes of up to 15,000 microscopic images per patient
- \ Need for additional domain expertise to accurately identify cancer cells

Solution

- \ A deep learning-based segmentation model for accurate probe detection
- \ Classified cells through rapid analysis of detected probes
- \ Introduced tool to annotate microscopic images for increased model accuracy
- \ UI-based solutions that verified cells and classified them into circulating tumor cells, single gain cells, single deletion cells, and normal cells

Outcomes

- \ **70% reduction** in time taken for diagnosis
- \ **Early detection** of cancer cells helped make timely interventions to **improve patient outcomes**.
- \ **Improved accuracy — 62% reduction** in false detections, reducing time taken to verify cancer cells.

Start reaping the insights locked away in your documents today.

[Request Demo](#)

About Persistent

With 12,000+ employees around the world, Persistent Systems (BSE & NSE: PERSISTENT) is a global solutions leader delivering digital business acceleration, enterprise modernization, and next-generation product engineering across industries and geographies. Our next-level capabilities and solutions that support continuous innovation help enterprises boost efficiency, resiliency, and agility with a solid core IT modernization strategy.

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