

NEXT GENERATION INTELLIGENT DOCUMENT PROCESSING TO **UNLOCK GROWTH**

OMNITIVE IDP
BROCHURE

UNLOCK BETTER





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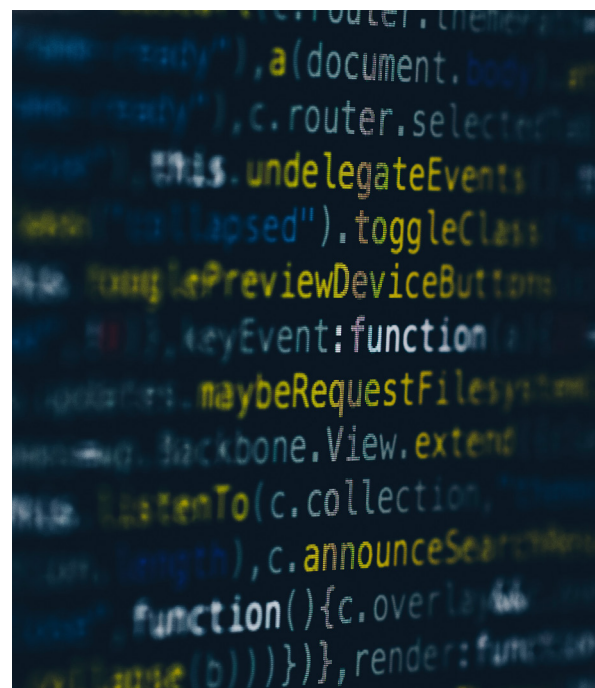
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The monumental challenge

EVERYDAY COMPLEX DOCUMENTS TRAP VALUABLE DATA

Competitive businesses in our modern information age rely on massive volumes of data to drive critical business operations, derive insights, pinpoint opportunities and more. Yet, a large bulk of data points is found in complex documents—both physical and digital—and guised as unstructured information that takes a human intellect to accurately decipher.

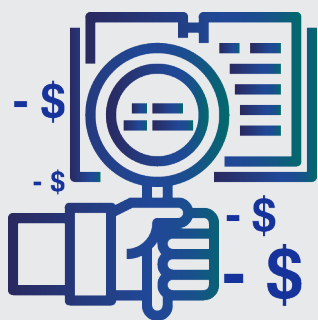




Businesses locked down
with tons of unstructured
information

BUSINESSES ARE FRUSTRATINGLY LOCKED DOWN BY PROCESSING UNSTRUCTURED INFORMATION

Businesses process a high volume of documents that are varied and unstructured, including everything from invoices and contracts to emails and non-textual files. More than 80% of the data generated today is unstructured and will further grow at the rate of 55% and 65% per year¹. Adding to the challenge, more than 50% of the document processing in 75% of organisations are paper-based, says a study by Bitkom², making it even more difficult to apply digital strategies.



Manual document
extraction is expensive

THE ECONOMIC COST OF MANUAL DOCUMENT EXTRACTION IS ENORMOUS

Reliance on human intellect and effort to manually process documents costs valuable time and money, and cannot be scaled. A 2012 IDC global survey of 1200 information workers and IT professionals on workforce productivity³ reports the significant amount of time wasted per week dealing with document processing challenges. For a Spanish bank, their manual processing of legal documents amounted to \$14 million a year on hiring a specialised team of legal experts.

€14,492

of potential cost savings
per information worker per year

19.5%

loss in the organisation's
total productivity

195

employees per 1,000 people
executing time-wasting tasks

¹ <https://www.datamation.com/big-data/structured-vs-unstructured-data.html>

² <https://www.bitkom.org/Presse/Presseinformation/Unternehmen-reduzieren-ihren-Papierverbrauch.html>

³ <https://denalilabs.com/static/ProductivityWhitepaper.pdf>



NOT ALL AUTOMATION CAN OVERCOME BUSINESSES' BIG HURDLES

Even though AI adoption has become mainstream, organisations still remain stuck with inferior automation solutions and continue to face these huge hurdles:



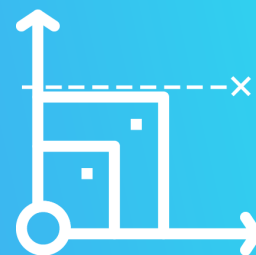
Slow and poor
customer service



Stinted
business volume



Limited
revenue potential



Ceilings in scalability
and enterprise
competitiveness

What is Omnitive IDP?



NEXT GENERATION INTELLIGENT DOCUMENT PROCESSING

Omnitive IDP is the next generation intelligent document processing tool for organisations seeking to accelerate document processing. It uses a unique blend of AI technologies to capture, classify, and extract data from virtually any kind of document. Document processing becomes far easier and swifter, for organisations to unlock growth.

A SMARTER HYBRID AI APPROACH THAT READS ANYTHING

Conceived with scalability at its core, what Omnitive IDP takes is a hybrid AI approach that blends statistical and symbolic AI disciplines. It leverages Natural Language Processing, Machine Learning, Deep Learning altogether, to process anything from structured documents to unstructured free text. This way, Omnitive IDP makes intelligent document processing possible even in the natural variability of realistic business settings.

HOW DOES OMNITIVE IDP WORK?

With Omnitive IDP, users are in control to process all kinds of documents with an unprecedented level of effort optimisation. No technical expertise is needed to realise intelligent automation capabilities in every phase of the workflow.



Uploading

...



OCR and
Cleansing

...



Document
identification

...



Train
AI Models

...



Extract
data

...



Validate
Extraction

...



Output

CASE STUDY: AUTOMATION IN THE CLASSIFICATION AND KEY DATA EXTRACTION FROM COURT NOTICES TO SPEED UP THE DEBT RECOVERY

TYPES OF DOCUMENTS

- Judicial notice for payment order
- Injunctions and Restraining Orders notification
- Judgments documents
- Partially upheld and dismissed judgments documents

CHALLENGE

Almost every document delivered in a Court requires identification and classification. With a enormous volume of documents per day, this process is extremely intensive and time-consuming. In most cases, this process is currently done manually by lawyers or legal administratives having to open and read each document to identify the type of document received and extract the relevant information that is important to succeed in any legal procedure, for example in an order for payment procedure .

This challenge is recurrent in all areas of an asset management company. The high volume of daily emails and notification with judgment documents attached that they receive is usually processed by a team of legal staff dedicated to opening the emails and manually converting the data in the attachments into useful information for the company, often causing delays in processing and misclassification along the way.

SOLUTION

The Omnitive cloud solution was deployed to speed up the automation in the classification and the key data extraction part of the process. IDP was used to speed up in record time the training of cognitive models of legal documents and then use them in the process of classifying and extracting relevant data to be transferred into the legal records management system that the asset management company was already working with.

Traditionally, the training of cognitive models was the most time-consuming part of teaching our software to recognise new documents. However, thanks to IDP, cognitive training has been shortened from weeks to just days.

At the integration level, the proposed solution will present an API REST through which service requests are requested, which will be responsible for the process, returning the metadata in JSON format in response to that request.

CASE STUDY: PCR AND PLF PROCESSING FOR THE TRAVEL INDUSTRY

TYPES OF DOCUMENTS

- PCR tests
- Passenger Locator Forms

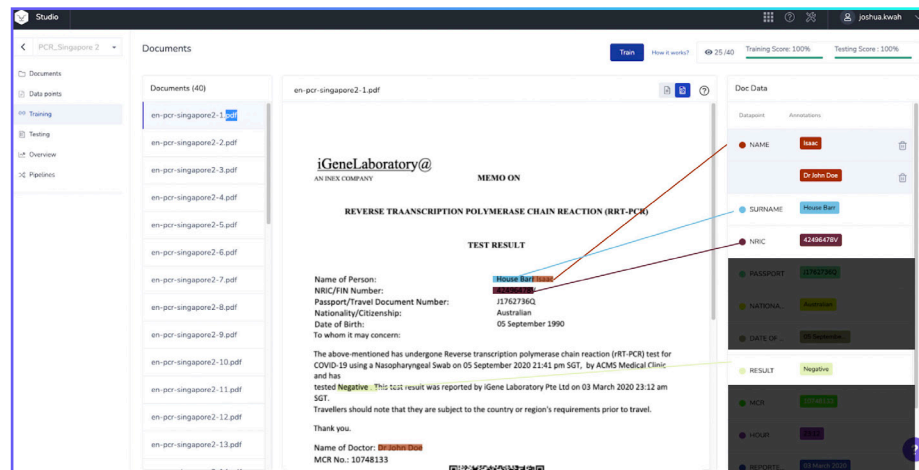
CHALLENGE

With the dangers of Covid-19, transport and healthcare authorities are setting in place new precautions to validate travel documentations—specifically travellers' PCR test results and passenger locator forms.

However, no international standardisations exist across the certificates and most travel documents common in the industry, making it difficult to apply rule-based automation. Documents are also primarily paper based to better accommodate all travellers and travel hubs. As a result, processing travel documents is highly manual and voluminous.

SOLUTION

Using Omnitiv IDP's web-based interface, baseline models for each document subtype were created, trained and tested. The process involved just a handful of training documents, no-code data annotation by highlighting data points within the document, and training and testing with a click. Types of data points to extract included parameters like name, Covid-19 test result, flight and seat number and countries visited. Throughout the whole process, no IT expertise or coding were required.



CASE STUDY: AUDIT AND REVIEW OF DOCUMENTS RELATED TO CORPORATE LOAN CONTRACT FILES FOR DATA CURATION AND POSSIBLE LOAN EXTENSION

TYPES OF DOCUMENTS

- Contract policies
- Suspensive clause policies
- Annual profit and loss accounts

CHALLENGE

The back office team in a banking company is in charge of auditing and reviewing corporate loan policies and files within an organization to ensure the good control of data curation in the company and verify the possibility of a loan extension for each case if the customer needs it.

In their daily challenges they have to audit and check every aspect of each corporate loan contract and this entails reviewing a huge amount of documentation and contracts. This process is extremely intensive and time-consuming.

In most cases, this process is currently done manually by legal administratives having to review and check the conditions of each contract, specially the ones related to the suspensive clause policies to ensure that every operation is prosecuted correctly, often causing delays in processing and misclassification along the way.

SOLUTION

The Omnitive cloud solution was deployed to automate the key data extraction and data verification for part of the process. IDP was used to speed up in record time the training of cognitive models of contracts documentation to identify the relevant data and cross check the key information with its suspensive clause policie to ensure the feasibility of a loan extension and in, the same time, improve the data curation of the company.

Traditionally, the training of cognitive models was the most time-consuming part of teaching our software to recognise new types of contracts or document types but relying on IDP, cognitive training has been shortened from weeks to just days achieving a high performance of the results.

Once the data is extracted and verified, the current staff is involved in the final process of validation of the loan extension in case the customer asks for it. Now, with the same team as before, they can process and automate all the company's contracts under review with less human resources in the process.

What can Omnitive IDP read?

EXTENSIVE DOCUMENT REPERTOIRE FOR ALL BUSINESS NEEDS

Omnitive IDP is pre-trained with baseline models to read a repertoire of structured, semi-structured and unstructured documents across industries and countries. today, Omnitive IDP is built to accurately process in any latin alphabet based languages like English and Spanish.



English Language



Spanish Language



German Language



Portuguese Language



Italian Language



French Language

IDP CAN PROCESS ANY TYPE OF DOCUMENTS



Bank records, claims, customer files (dossiers), and applications that may contain key information covering a wide range of data.



Financial reports, statutory orders, constituent documents, and other evidence of a customer's credibility and creditworthiness, as well as the reliability of their investors, partners, and other third parties.



Contracts, agreements, assets, and property descriptions that can characterize the financial status of a customer.



Records in various court online databases and judiciary search systems.



News, blogs, and social media content that may contain important details about a customer and his public life.

What are our value propositions?



INTELLIGENT AND EASILY MAINTAINED

Omnitive IDP supports minimal supervision with high model specialization. During training and testing, the system instantly feeds back when to stop annotation based on observed accuracy and domain complexity, making it easy for the user to build models with >85% extraction accuracies across varied data sets.



EASY TO USE TOOL

Omnitive IDP is designed for the masses to build and test baseline models. No programming knowledge and little human supervision is required to develop applications within a few minutes to a day. With a powerful graphical user interface and simple step-by-step guides, Omnitive IDP puts high performance AI into the hands of every business user.



DOCUMENT AGNOSTIC, FOR ANY USE CASE

Train models to read semi-structured and even completely unstructured documents from any domain and any industry. It accepts wider document variability just like what enterprises face in the real world.



INTEGRATION-FRIENDLY

Omnitive IDP supports various product integrations on cloud and is compatible with any third party systems.



LOW SAMPLE

Omnitive IDP simply needs less than 100 samples to build production-ready baselines, as opposed to conventional solutions that require thousands of labelled samples to train models.



NO IT TEAM REQUIRED

Because models are not hard coded, Omnitive IDP is able to build high functioning models within 1 day, without any back-and-forth's with tech talents. This drastically shortens the conventional delivery cycle by months.

VALUE PROPOSITIONS



EXTENSIVE
COVERAGE



SECURE



SPEED AND
SCALABLE

WHAT IS IT'S IMPACT ON ORGANISATIONS?

PRODUCTIVELY STREAMLINE MISSION-CRITICAL AND DOCUMENT-INTENSIVE WORKFLOWS

Domain experts understand their document processing workflows the best, and minimal time should be wasted on lengthy back-and-forth between business teams and external IT development teams. Omnitive IDP empowers line-of-business teams with the right but simplified tools to build, train and deploy a perfectly customised extraction model. Few training data required, no overfitting, and on demand support further disentangle any employee from tech-related hassle, to build an effective model in as little as a day.

These highly intelligent models can effectively process volumes of high value documents up to 90% faster than traditional processes. Its fast and sustained self-learning abilities minimise human intervention even after deployment. The result is hours and valuable manpower unlocked to realise new breakthrough strategies within organisations.

90%

reduction in knowledge
extraction time upon
deployment

SCORE EXPONENTIAL INCREASES IN REVENUE AND UNLOCK BREAKTHROUGHS IN ENTERPRISE COMPETITIVENESS

Finally, adding it all together: operational cost and time efficiencies as well as a financially tenable infrastructure deployment bring to light significant cost savings to be channelled into new business strategies; augmented workplace productivity from streamlined workflows spillover to create a frictionless customer experience that contributes to opportunities for revenue growth.

Organisations such as businesses in the Financial Services Industry can expect a 22% increase in conversion rates, a 40% reduction in validation errors, and a remarkable 330% overall return on investment, according to a McKinsey report on the IT spends of a UK auto insurer that uses cognitive technologies⁴. Beyond all, these effects are multiplied with Omnitive IDP's large window for scalability, for a vastly competitive edge in the market.

22%

Increase in
conversion rates

40%

Reduction in
validation errors

330%

Overall return
on investment

⁴ <https://www.mckinsey.com/business-functions/mckinsey-digital/our-insights/intelligent-process-automation-the-engine-at-the-core-of-the-next-generation-operating-model>



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