

Hypatos

Cognitive process automation for document-based back office tasks

Hypatos company introduction for investors

Hypatos offers deep learning tech to automate document-based back office tasks to improve work and make organisations more efficient



Back office process automation addresses >\$2 tn of annual corporate spending

Situation

Back office work in many industries and functions is defined by manual document processing

Examples:

All industries – **Purchase to pay**

All industries – **Order to cash**

All industries – **Travel& expenses**

Banking – **Loan applications**

Insurance – **Claims**

Many others ..



Complication

Manual document processing is...

- ▲ expensive
- ▲ slow
- ▲ error-prone
- ▲ demotivating

...and causes >\$2 tn annual spending

Solution

Back office work can be automated with:



Robotics (RPA)

Rule based automation of repetitive, simple tasks through Robotic Process Automation – e.g. transfer documents between systems



Machine Learning

Automation of more complex human processing tasks that require human understanding with Machine Learning – e.g. document processing

Back office process automation has 2 trillion USD market potential

Total spending on back office business processes, 2019, USD

Industry agnostic processes

- Accounts payable
- Order-to-cash
- Travel & expenses
- Tax
- Recruitment
- ...

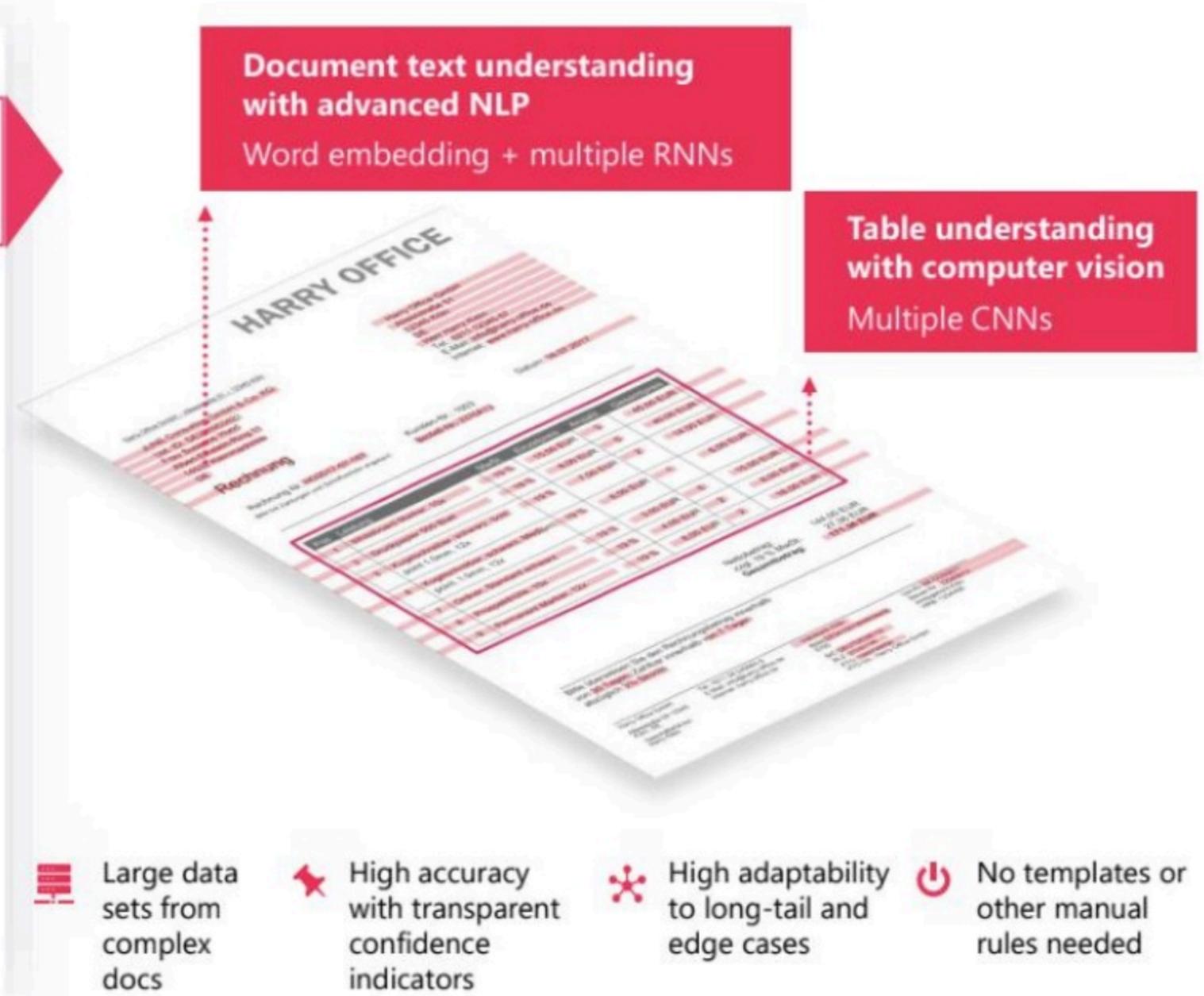


Industry specific processes

- Unsecured loan /mortgage processing
- Loan / credit card applications
- Insurance claims
- Medical prescriptions
- ...

Hypatos combines computer vision with NLP tech to offer powerful automation services for integration in existing systems

Offering	
Automation services	<p>Document understanding Combination of RNN- and CNN-based deep learning models to capture rich data-sets and "understand" semi-structured documents</p> <p>Content Validation Advanced validation of document content with heuristics and machine learning to identify inconsistent and non-compliant data</p> <p>Document Enrichment Machine learning to predict attributes for document processing, e.g., case specific workflows, financial accounts</p>
Model training	<p>Hypatos Studio Machine learning pipeline software to optimize models with client data and train new automation models</p>
Delivery	<p>System Integration components User and license management, API, document and data collectors, human in the loop UI and monitoring, system connectors</p> <p>Deployment options (Multi) public cloud, private/hybrid cloud and on-premise installation and orchestration of software services</p>



We are looking for a EUR ~10mn round to continue with product work, client acquisition and delivery for next 24 months

Use of funds:



Machine learning

- Hiring additional data scientists for significant investment in research
- Further automation of ML pipeline
- Develop automation models for new document use cases and more models for international applications



Engineering

- Further build-up of engineering team
- Advance Human in the Loop tool-set
- Build integrations with more platforms (ERP, CMS, RPA)



Delivery team

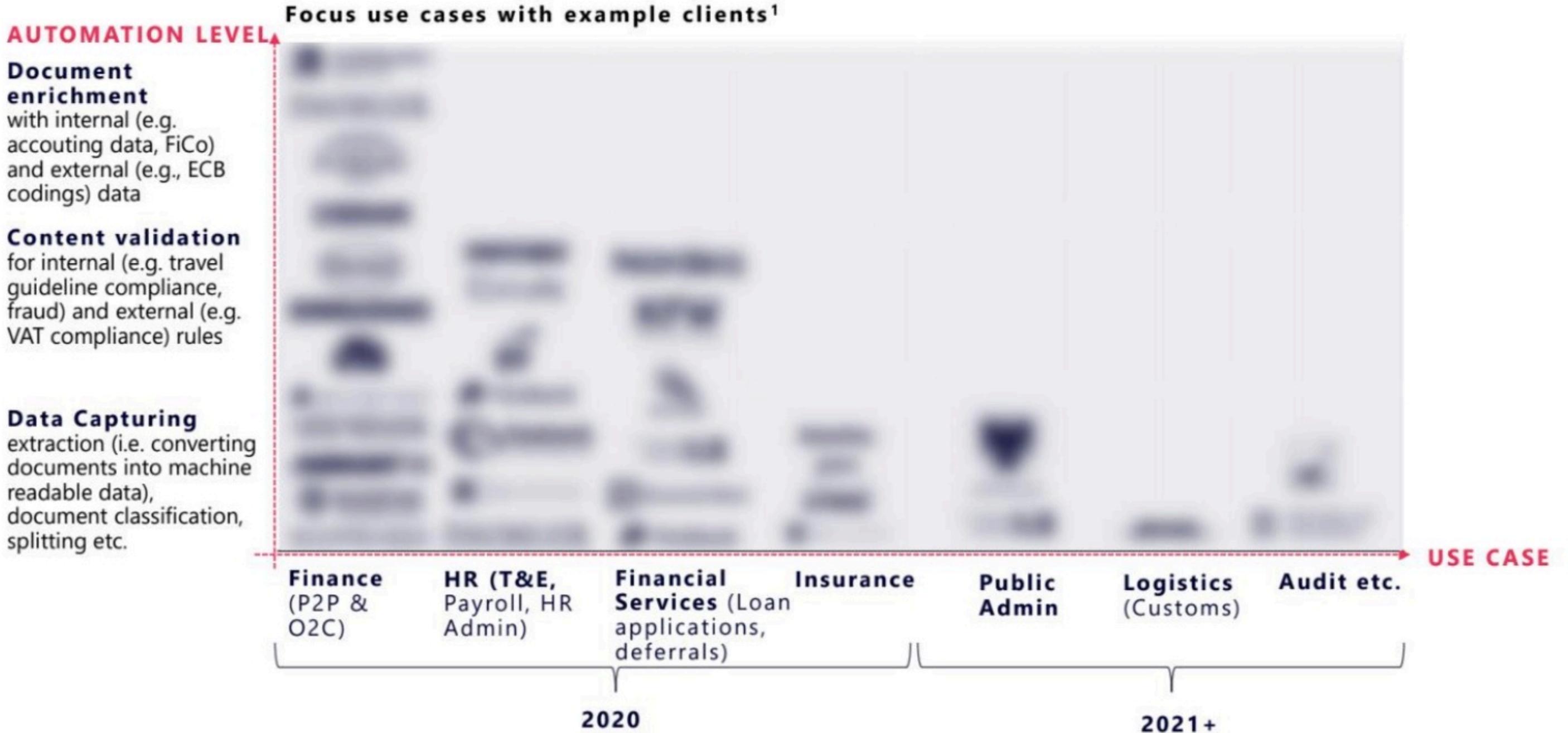
- Hiring and build-up of delivery team for pre-sales and delivery project management
- Addition of solution architects for pre-sales support
- Increasing technical support staff for clients



Go to market

- Hire marketing manager, additional sales reps & invest in PR
- Increase organic reach via targeted content creation

Hypatos focuses on the largest back office process use cases involving semi-structured documents



Meet our international team and advisors



Dr. Uli Erxleben

Founder & MD

Previous roles:

- McKinsey & Company in Berlin & Palo Alto
- MD of Rocket Internet SE for North America
- MD for early stage corporate venturing activities of ProSiebenSat1 Media SE
- Serial Entrepreneur & Angel Investor



Cem Dilmegani

Chief Commercial Officer

Previous roles:

- McKinsey & Company
- Head of integration at regional telco
- Principal at Solon
- Founder of AIMultiple



He Zhang, PhD

VP of machine learning

Previous roles:

- Head of Data Science at Lesara GmbH,
- Lead Data Scientist at HelloFresh SE
- Theoretical physicist at Max-Planck-Institut

40+

Data scientists, engineers and delivery professionals in Berlin and Warsaw with research degrees from among others Harvard and Oxford

150

years of cumulative tech work experience



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