



A multinational financial services company operated many different service contracts that would result in invoices arriving without any allocated Purchase Order number. If the invoice also lacked the appropriate SAP Ariba Contract number this would require an operator to interpret the invoice and match the contract accordingly: not necessarily a demanding task but one that nevertheless required contextual knowledge, understanding and a level of judgement to make the correct correlation.

Allocating POs was a logistical nightmare - labor intensive and a drain on the finance department.



Missing PO Reconciliation



Decision Engines' AI technology applied deep learning and image recognition along with semantic NLP and machine comprehension to mimic human cognition, seeking common links between known contracts, previous invoices and other data elements to infer the right contractual relationship in order to match the invoice correctly.

By learning the relationship between contracts and invoices as well as verifying rate tables, Decision Engines' bots improve

their understanding of the process, ensuring that future invoices are matched automatically. This self-learning process can be enhanced via human mentoring, for example when an exception is flagged to a human operator. In this instance the operator 'teaches' the bot the correct relationship or match and the bot then incorporates this knowledge into its code for application to future invoices.

As a result human intervention has been largely removed, with exceptions flagged when insufficient data can be derived from the invoice. The impact has been to accelerate none PO invoice processing, reducing the time and associated cost of handling thousands of invoices every month.

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