

Rossum

Creating a world without
manual data entry



ROSSUM

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Creating a world
without manual data entry

thanks to Artificial Intelligence
for document understanding

True human - machine collaboration

Human-level accuracy



10x productivity improvement



Save 30 – 80% of costs



No template setup -
works from Day 1



Easy and fast integration

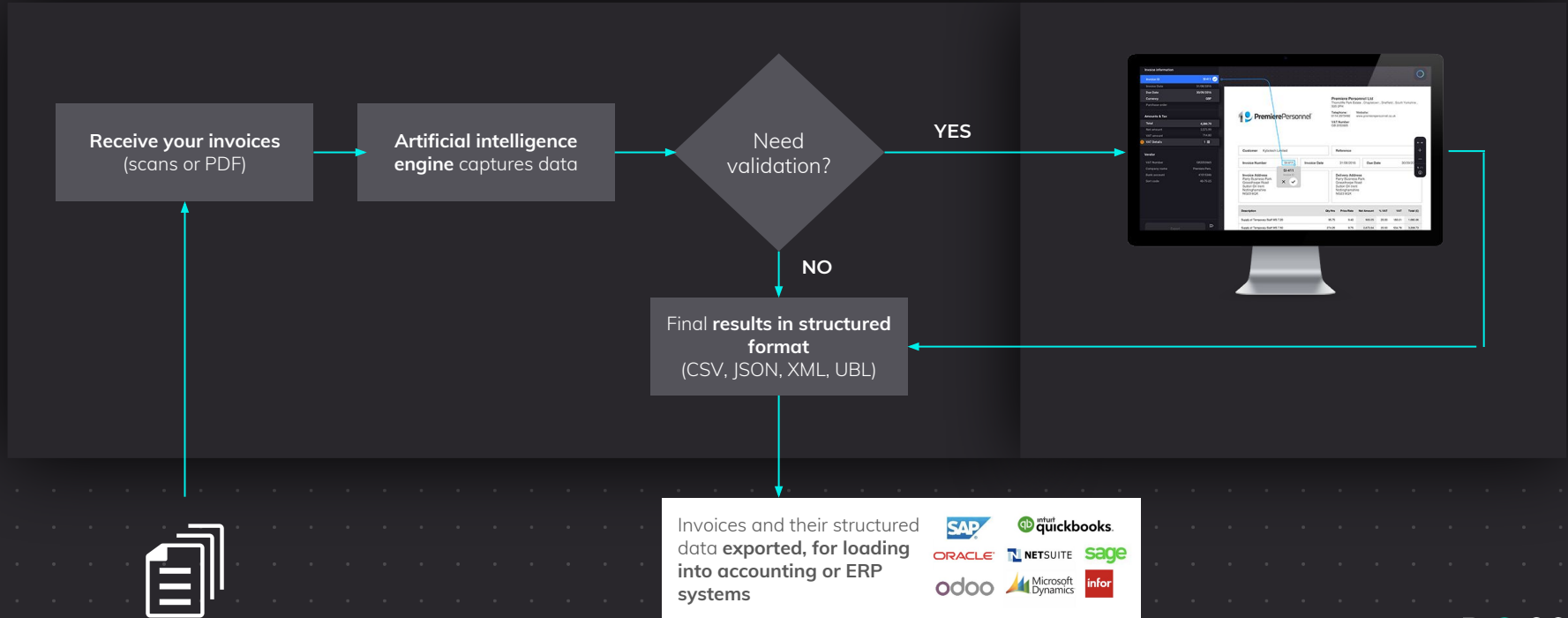


Continuous improvement
of engine and model



Rossum's Elis cognitive invoice solution:

- **extracts key data from scanned or PDF invoices**
- **exports them in a structured format**



Rossum's Approach

Read invoices like a human,
not like a page in the book.

Before Rossum: Templated Capture

- Holy grail of data capture from documents:
automated capture from a variety of layouts without the configuration overhead
- The traditional OCR & “intelligent” data capture **doesn’t** work that way:
you always need to configure templates or rules in practice
Problems: high effort & cost, long tail impossible to capture

The image displays a collage of various invoice templates, illustrating the complexity and lack of standardization in document capture before Rossum. The templates are scattered and overlapping, showing different layouts, currencies, and data fields. Key elements visible include:

- Invoice Amounts:** \$189.21, \$120,000.00, \$2,860.00, \$130.00, \$3,389, \$2,040.00, \$2,860.00, \$1,784.50 EUR, \$33,621.25, \$6,800.00 USD, \$7,000.00, \$154,000.00, €106,678.65, 1,210.22, EUR 50,00, 22,861.82, Total: 1,163.17 EUR, 218.82, Amount: € 400,00, Total invoice amount EUR 1,048.66, TOTAL: 364.21, 89.89, 364.21 GBP, TOTAL EURO: 230.00, GRAND TOTAL 460.26, Total GBP Incl. VAT 1,052.42, Total Order: €548.00, Amount Due GBP 2,860.00, Gross Amount Payable (GBP) 22,861.82, Total for this invoice €13.00, TOTAL DUE GBP 1,178.25, TOTAL GBP 180.79, Total GBP 1815 GBP, Total Invoice Charge £1,853.69, Total payment now due €33.00, Total: 24.39 31.92 Gross Total 3,052.78, Payment due immediately GBP 228.00, Balance outstanding as at invoice date If you are subscribed to Direct Debit this balance will be withdrawn from your Bank/Credit Card Account on the 30.03.2017 26.62, Invoice Total GBP 18.85, Total payment now due €34.24, PAYMENT DUE NOW €1,404.43, Total Incl. VAT 49.99, Invoice Date 04.11.21, Total Inc VAT: £420.00, Grand Total (Incl. Tax) £1,013.00, Balance €0.00, Amount: € 400,00, Amount: \$ 444.00, Total Amount Due € GBP 1,785.16, TOTAL 56.15 GBP, Total Net Due on 9/9/2006 (USD): 49,932.94, AMOUNT DUE CONTRACTOR (E-H+K) \$1,138,070.00, EURO Inv Total 1,575.14, Total Net Charge (Revenue): (\$490,261.67), Current Balance: -125,800.00, Total Amount Due in EUR 157.00, Order Total: \$495.00 US, Total Invoice € 59.30, Total fees, disbursements & VAT £ 185.58, AMOUNT DUE 1,172.15, € 3,958.70, Grand Total 909,969.00, Current Invoice Charges: €108.00, TOTAL USD 7,116.05, PAY THIS AMOUNT, Total payable € 297.50, Billable Hours / Fees: 6.00, \$1,862.50, Balance Due 55.25, Total Invoice Balance: \$185,828.00, Amount Due This Invoice: \$330.39, This invoice is due upon receipt, Total Payable \$1,678,228.34, Balance Due \$0.00, Total Amount Due: \$3,215.70, Payment Terms: Due Upon Receipt

Rossum: *Cognitive* Data Capture

- **Rossum:** Founded by AI scientists working on state-of-art research, *horrified* by then-current technology
- **Deep learning:** *Training* instead of configuration, *understanding* thanks to generalization

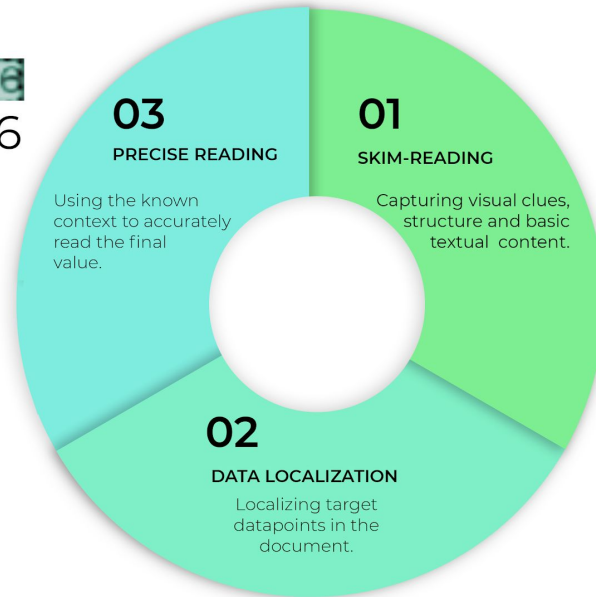
**This allows for setupless usage experience,
with high accuracy from the get-go.**

Disrupting OCR with Deep Learning

Rossum's cognitive data capture vs. traditional OCR:

1. Skim-reading
2. Neural data localization
3. Precise reading

12/14/2016
12/14/2016



INVOICE No. 214193
INVOICE
Misc
Date 12/14/2016
Order # 214193

Invoice No. 214193
Invoice
Misc
Date 12/14/2016
Order # 214193

Elis Verification Interface

Human + machine collaboration

Case study

Human + Rossum + Robot
Working together

- RPA programme was in place
- Invoice processing automation was one of the most urgent initiatives due to:
 - tedious manual work
 - its automation potential
- Molson Coors objective is to virtually **eliminate** the manual effort associated with the invoice data entry.



Solution

80% invoices arrive by email

20% need to be scanned

22 fields

Submissions by email

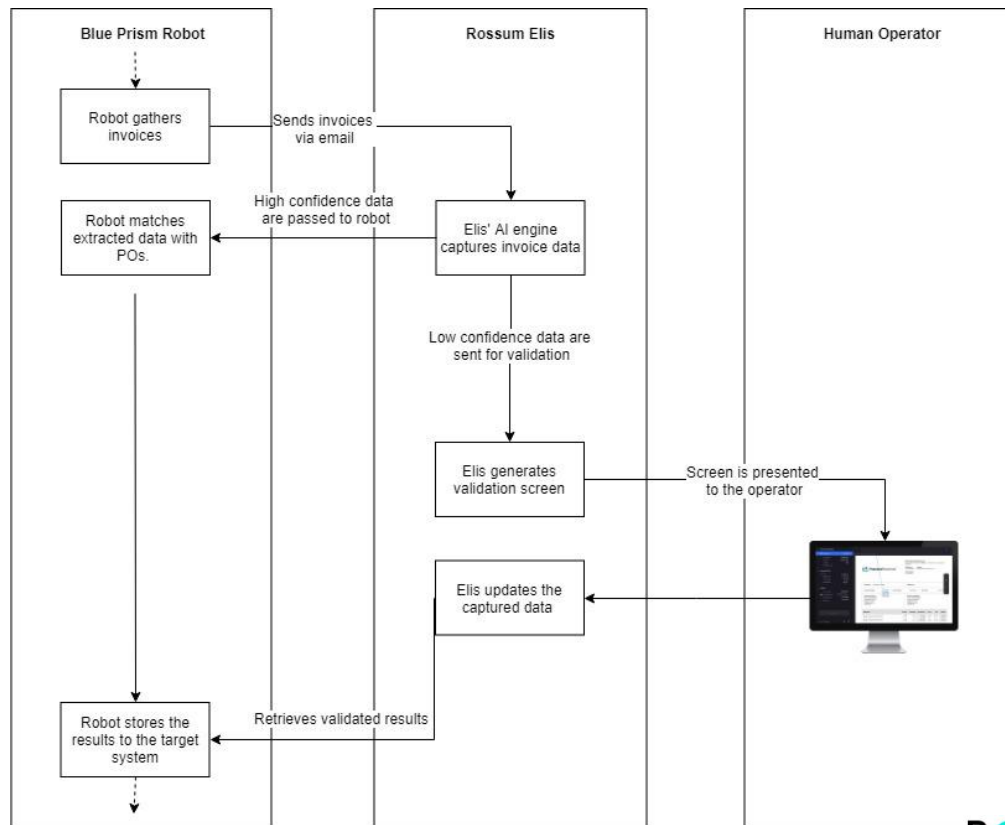
Extracted data returned in CSV

Validation against PO

Complex approval WF

Posting to SAP Incoming Invoices ledger

Accounting treatment in SAP



Free up people from manual data entry of invoices.
Instantly.

ROSSUM



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