

E-Invoicing from Compliance to AP automation

Webinar will be recorded



Today's speakers



Jonas Winter Kvist
Director
NTT DATA Business Solutions

[LinkedIn](#)



Ove Andersen
Product Owner
NTT DATA Business Solutions

[LinkedIn](#)

Agenda

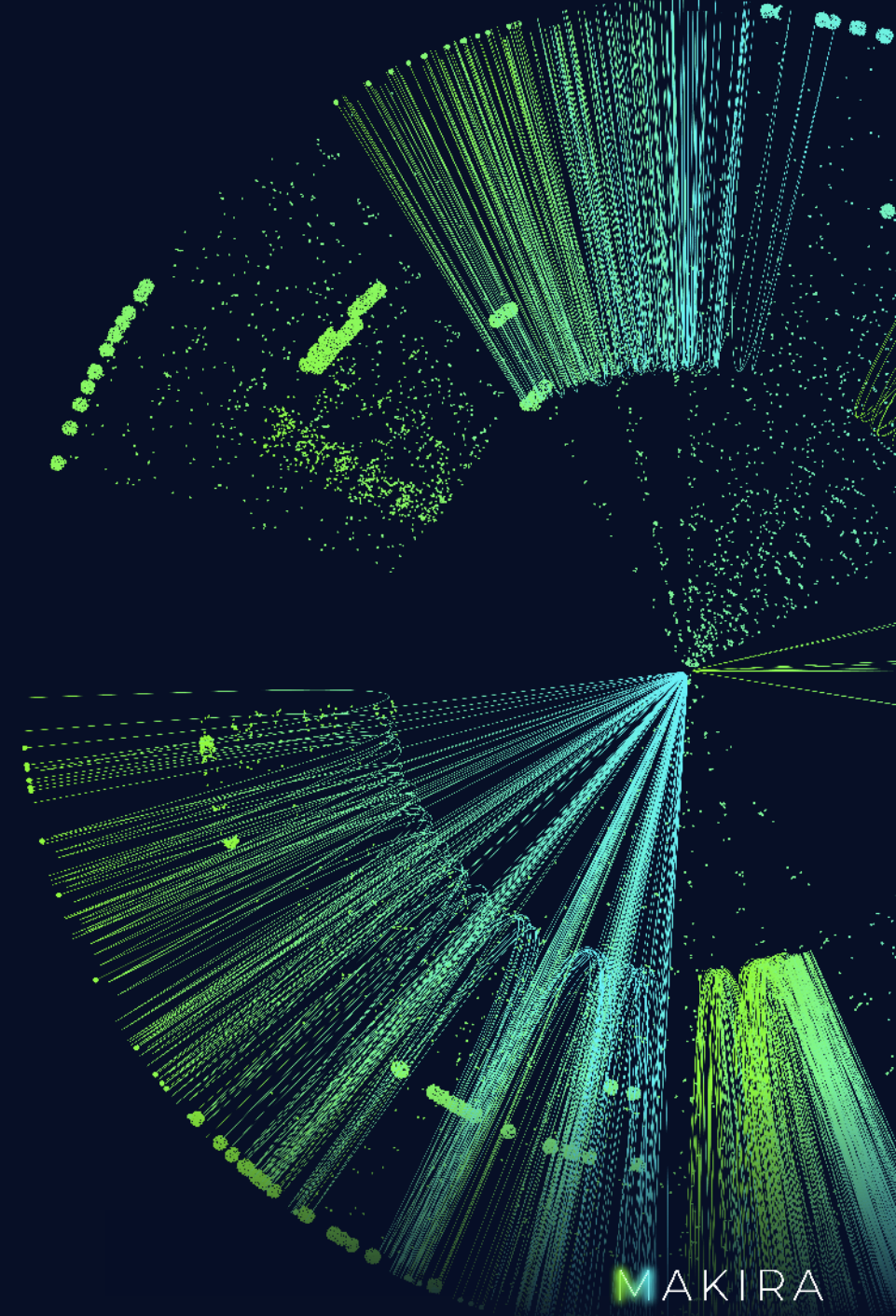
01 Intro

05 Wrap-up and Q&A

02 Compliant, Scalable
and Automated

03 Real life examples

04 E-Invoicing architecture



Business process

Invoices

Purchase orders

Order confirmations

Remittance advice

HR documents

Certificates

Contracts

...

Document phases

**01.
Receive**

**02.
Create**

**03.
Approve**

**04.
Archive**

Products

MAKIRA Capture

MAKIRA E-Invoice¹

MAKIRA Automate

- Integration

- **AI Agents**

MAKIRA Approve

MAKIRA Autobank²

MAKIRA Archive for SAP

MAKIRA Reports & Buddy

¹ Powered by JOUBINI

² Powered by Serrala



Why focus on being “Compliant, Scalable and Automated”?

ViDA: VAT in the Digital Age

ViDA stands for VAT in the Digital Age

ViDA is a major EU-wide reform of the VAT system designed to modernize VAT reporting and reduce fraud.

Goal is to harmonize digital processes especially e-invoicing and real-time reporting across all EU Member States.

What is ViDA (VAT in the Digital Age)?

ViDA is a legislative package adopted by the EU that fundamentally changes how VAT is invoiced, reported, and administered in the European Union.

Using digital data it responds to increasing:

- Cross-border trade
- Platform economies
- Large VAT fraud losses (the EU VAT gap)



Why focus on being “Compliant, Scalable and Automated”? ViDA vs National E-Invoicing platforms

How ViDA compares to national systems?

ViDA does not replace national systems (Italy, Poland, France, etc.).

Instead, ViDA creates a common EU framework and minimum rules, while national systems continue to exist and operate for domestic transactions.

Think of it like this:

- ViDA = EU motorway rules
- National systems = local road networks

They must connect, but they are not identical.

Why focus on being “Compliant, Scalable and Automated”?

A main pillar is 'E-Invoicing & Digital Reporting Requirements (DRR)'

E-Invoicing is crucial to achieve "almost real time" DRR.

This webinar's main focus is about inbound E-Invoicing and how MAKIRA support this journey.

Key points:

- Mandatory e-invoicing for intra-EU B2B transactions from 1 July 2030
- Invoices must be structured and machine-readable (EN 16931)
- Near real-time reporting of invoice data to tax authorities
- Hybrid invoices (PDF + embedded XML) are explicitly acceptable, as long as the structured part complies with EN 16931

Some EU Member States have or may introduce domestic e-invoicing without prior EU approval.



Why focus on being "Compliant, Scalable and Automated"?

Electronic invoicing: The new standard

E-Invoicing as the default

Electronic invoicing will soon become the default system for (issuing and) receiving invoices.

Invoices issued, transmitted, and received in an electronic format that allows for automatic electronic processing will be considered an electronic invoice and must comply with the European Standard (EN16931).

- PEPPOL BIS Billing 3.0, XRechnung, CII etc..

Unstructured formats, such as PDF invoices, will in some years from now no longer be acceptable within EU. However, hybrid invoices (a combination of PDF and structured XML) will for some years be permitted. Member States may authorize other invoice formats for domestic transactions.



Why focus on being "Compliant, Scalable and Automated"?

Hybrid invoices (valid solution for some years)

While real e-invoices "Pure XML" are preferred from technical perspective, then e.g. Germany allow hybrid invoices.

Hybrid invoices does require more technical setup to be handled. Various options exist for processing:

- Extract the XML from PDF – and evaluate the XML validity before handling
- The XML itself can again contain multiple PDF's embedded, which give recipient full details
- If only PDF carrier file is handled, then recipient is not made aware of all the PDF's embedded in XML

The image shows a 'Hybrid Invoice' window on the left and its XML representation on the right. The invoice window displays the following information:

Hybrid Invoice

Invoice No: 2022-12345
Date: 2022-12-15
Due Date: 2022-12-30

Bill To:
ABC Company
123 Business Rd,
City, State 12345

Description	Quantity	Unit Price	Total
Product A	10	50.00	\$00.00
Service B	1	150.00	150.00

Subtotal: 650.00
Tax: 65.00
Grand Total: 715.00

The XML representation on the right shows the following structure:

```
<InvoiceData>
<InvoicePDF>...
  <InvoiceNumber>2022-12345</InvoiceNumber>
  <InvoiceDate>2022-12-15</InvoiceDate>
  <DueDate>2022-12-30</DueDate>
  <TotalAmount>715.00</TotalAmount>
</InvoicePDF>...
  <EmbeddedPDF>Invoice1.pdf</EmbeddedPDF>
  <EmbeddedPDF>Invoice2.pdf</EmbeddedPDF>
  <EmbeddedPDF>Invoice3.pdf</EmbeddedPDF>
</FileAttachment>...
  Additional PDFs Embedded
</FileAttachment>
```

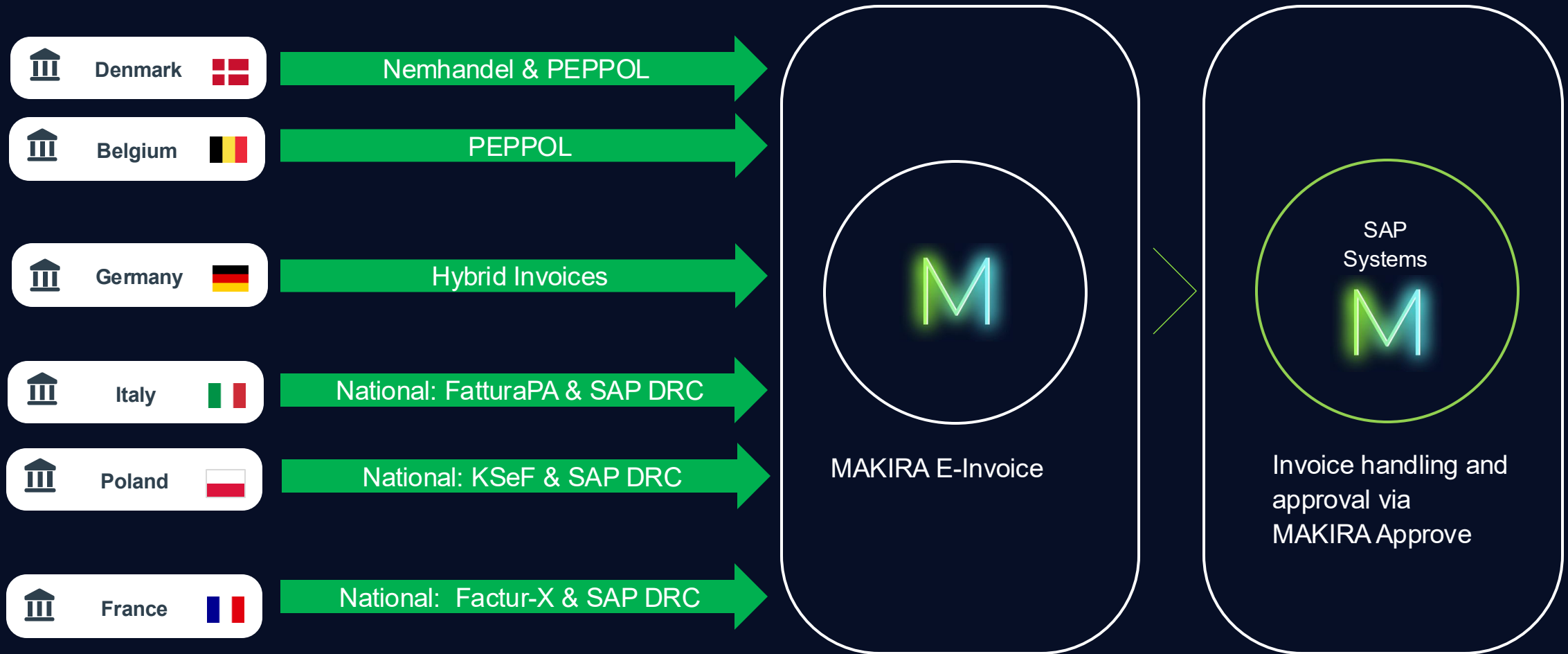
Arrows indicate that the XML tags for InvoiceDate, DueDate, TotalAmount, and the EmbeddedPDF tags point to PDF icons. The FileAttachment tag points to a PDF icon labeled 'Invoice3.pdf'.

Unstructured formats, such as PDF invoices, will in some years from now no longer be acceptable within EC. However, hybrid invoices (a combination of PDF and structuredXML) will for some years be permitted. Member States may authorize other invoice formats for domestic transactions.

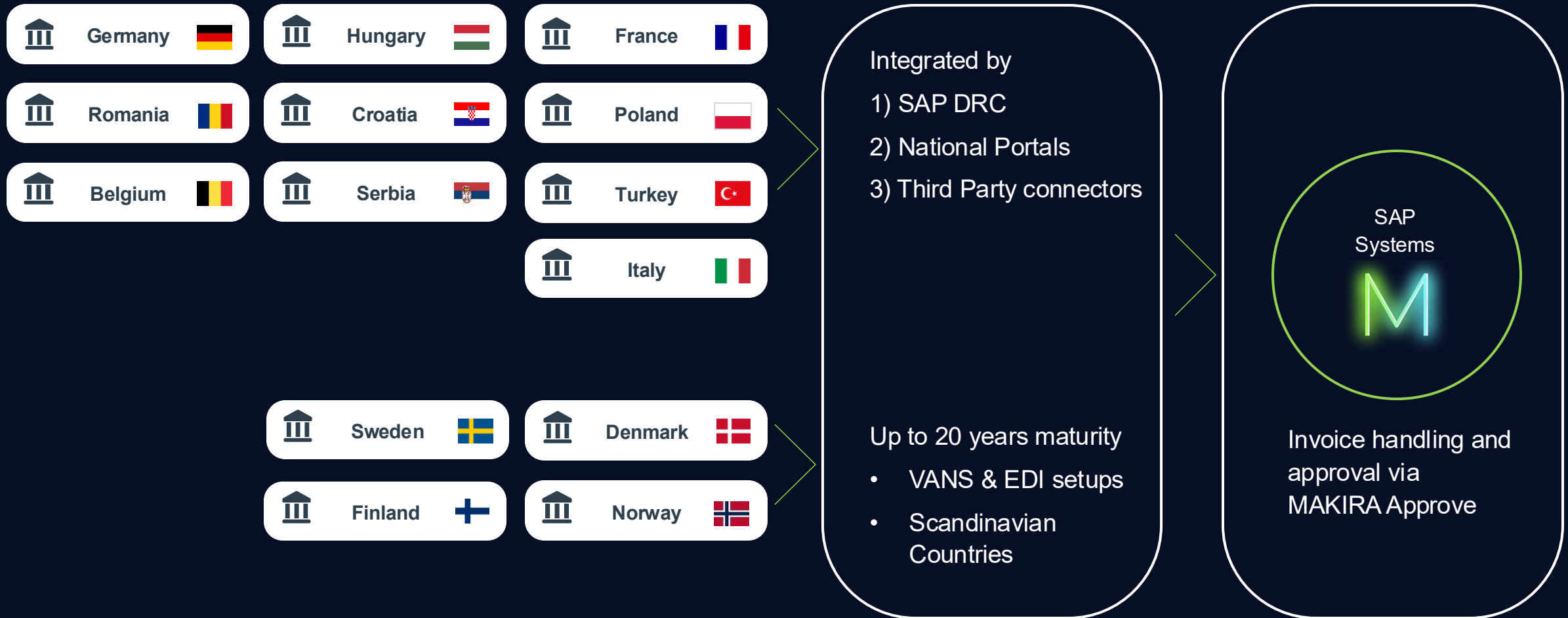
Real Life Example: Søstrene Grene – SAP Private Cloud – Green Field 2026-2026

Nemhandel, PEPPOL, SAP DRC

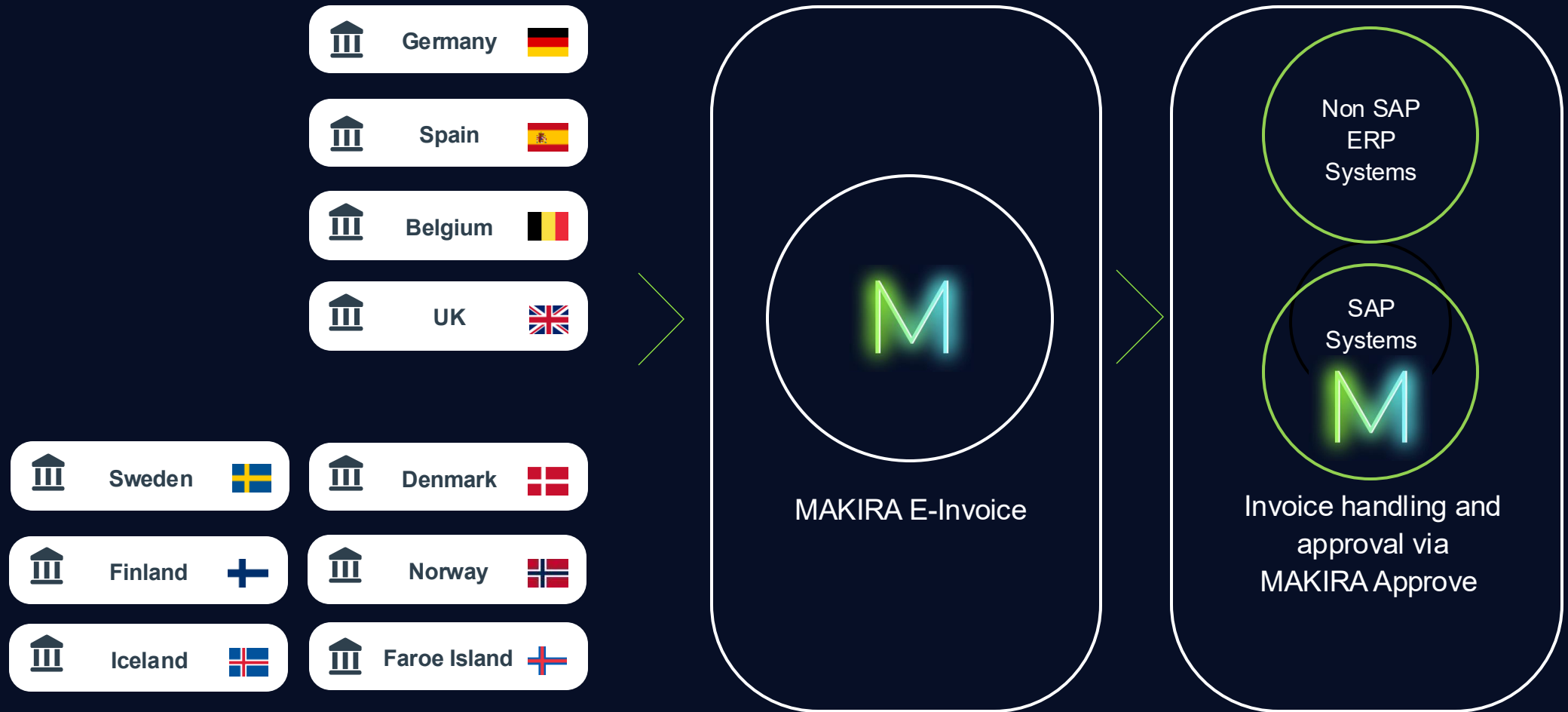
Country e-invoices



Real Life Example: **JYSK** – SAP OnPremise – Very Matured SAP setup Nemhandel, SAP DRC, PEPPOL, multiple national connections & EDI Country e-invoices



Real Life Example: **NoName Customer** – SAP OnPremise & Other ERP's Nemhandel, PEPPOL, multiple national connections **Country e-invoices**



Real Life Examples: Any Name Customer

MAKIRA guide for best suited design



MAKIRA E-invoice



Or...

- 1) SAP DRC
- 2) National Portals
- 3) Third Party connectors

Non SAP
ERP
Systems

SAP
Systems



Invoice handling and
approval via
MAKIRA APPROVE

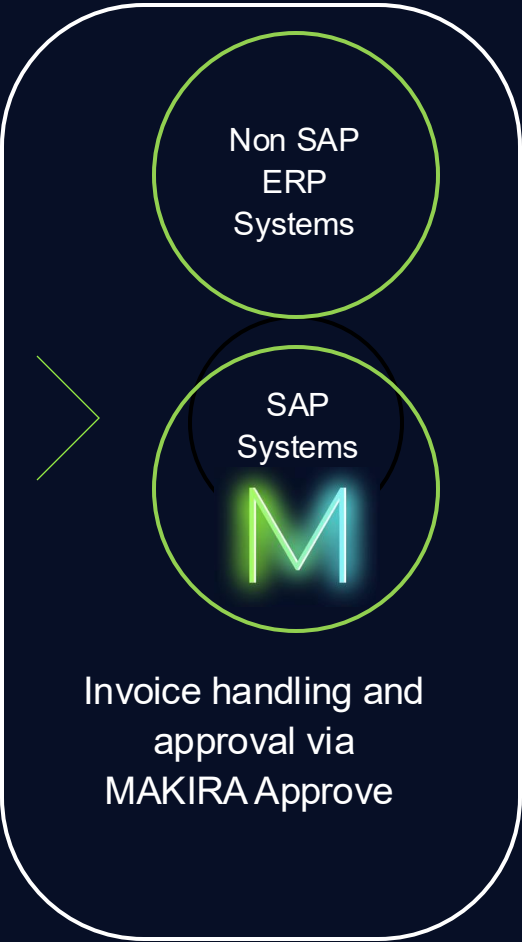
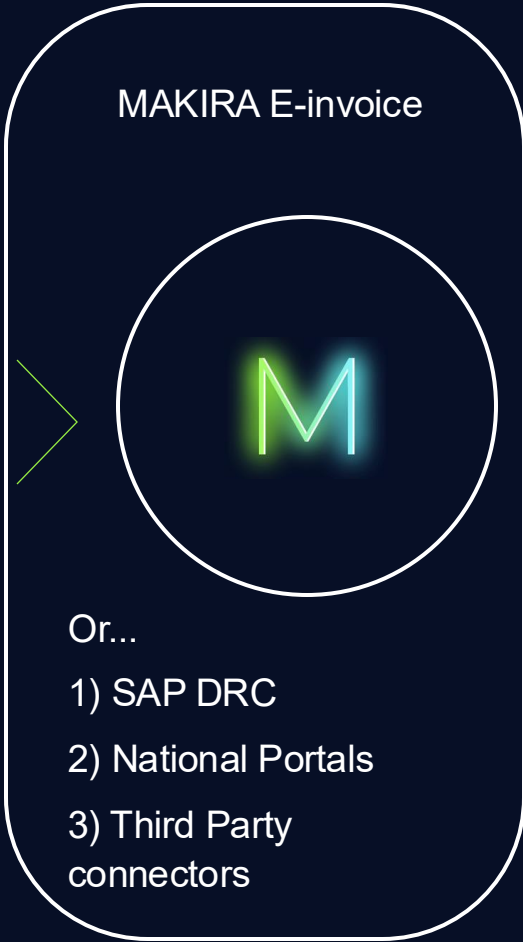
E-Invoicing architecture

MAKIRA guide for best suited design



MAKIRA E-invoice

Customer Core ERP business



E-Invoicing architecture

Key take aways

Key take aways for e-invoice architecture

- Plan your journey for countries in European Community
 - [e-invoice EC Country Overview](#)
- SAP Document Reporting and Compliance "DRC"
 - [What Is SAP Document and Reporting Compliance? | SAP Help Portal](#)
 - [Supported Compliance Tasks by Country/Region | SAP Help Portal](#)
- Having SAP DRC still require a solution like MAKIRA for Inbound Automation

Key take aways for e-invoice architecture

- Vendors and Countries does not all change "over night"
- Externalise **all country-specific complexity**
- Support **hybrid invoices (PDF + XML)**
- Be **ViDA-ready** (EN 16931, near-real-time reporting)
- Choose solutions combining your needs, e.g. inbound, outbound + reporting

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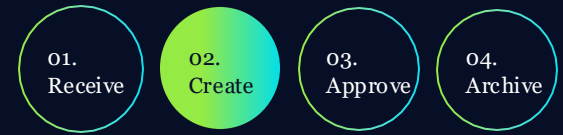
MAKIRA Reports & Buddy

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MAKIRA Create – Enrich AI

- Invoice Account Assignment Automation (non-PO)



Automates +90% of account assignments for non-PO invoices



MAKIRA AI

Automatically fills:

- ✓ Account Assignment
- ✓ Cost Center
- ✓ Requestor
- ✓ VAT code
- ✓ Checks for missing PO



Account assignment automation
+90%

Manual Account assignment less than
10%



- ### Trained on past accounting data
- Looks back 2-5 years of learning history
 - Improves after go-live by analyzing corrections

Invoice automation journey with AI



MAKIRA Create – Match AI

- PO Line-Item Matching



Invoice



MAKIRA AI

- ✓ Matches Invoice and PO line items based on the last 2-5 years of learning history
- ✓ Uses Machine Learning and matching data to train Matching AI



PO



Benefits

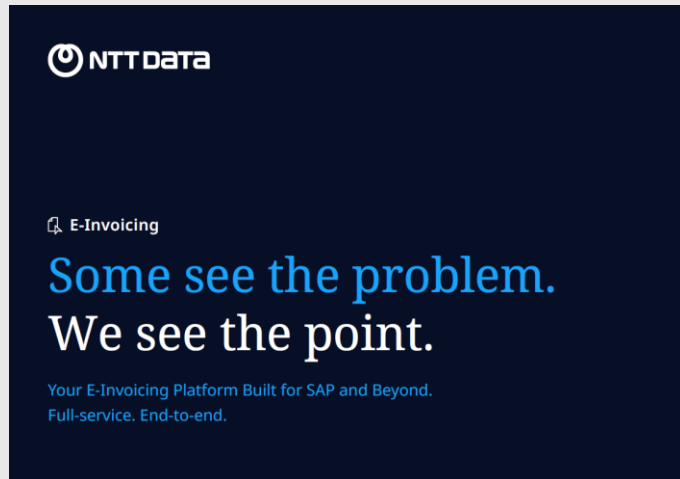
- Better matching = higher automation (auto-posting)
- AI is more accurate compared to rule-based matching
- Your solutions continuously learns and gets smarter using AI



AI matching compared to rule-based

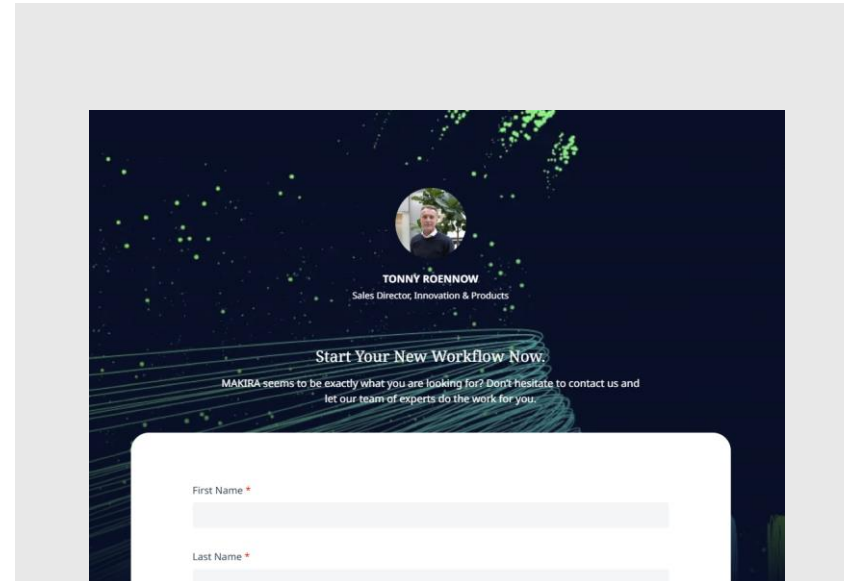
- AI uses line items at a higher rate and accuracy
- Performs better similarity search
- Smarter search capabilities with semantic understanding

Your next step towards AP automation



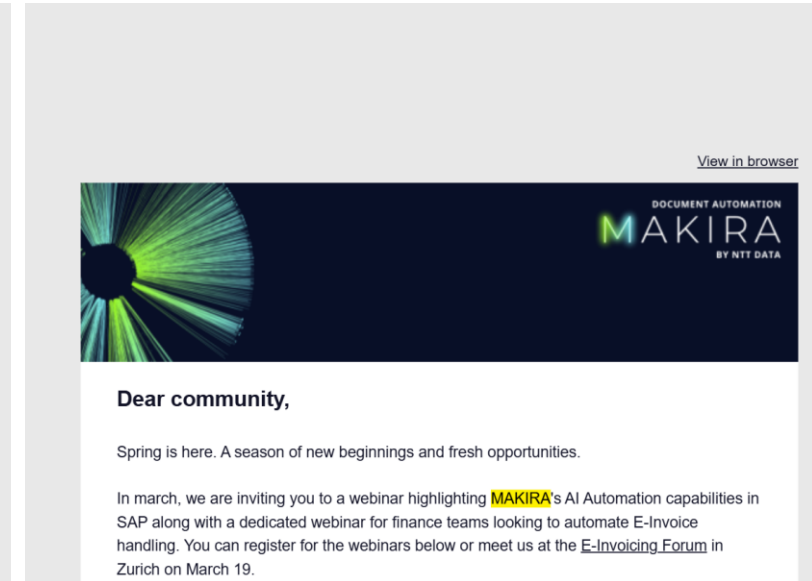
Get our free e-book explaining how we handle E-Invoicing at NTT DATA Business Solutions.

[Download our e-book](#)



Contact us to learn more about AI matching and E-Invoicing scenarios specific to your organization.

[Book a call with our experts](#)



Sign up to the MAKIRA newsletter to stay updated on the latest product news and events.

[Sign up MAKIRA newsletters](#)

The background features a central dark blue circle from which numerous thin, teal-colored lines radiate outwards, creating a starburst or sunburst effect. The lines are densely packed and extend towards the edges of the frame. The overall color palette is dark blue, teal, and light green.

Wrap up & QA



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