

NOVO CxP

**BEST PRACTICE –
State Ministry of Finance of Saxony**
Fully digital invoicing processes –
seamless & fully automated



**CONTINUOUS
AUTOMATION**



**TRANSPARENCY
& TRACEABILITY**



**FLEXIBLY
SCALABLE**

At a glance

STAATSMINISTERIUM
DER FINANZEN



THE INDUSTRY

The State Ministry of Finance of Saxony is responsible within the Saxon state government for budgetary, financial and tax policy, comprises 6,000 budget offices with a volume of €25 billion (2024) and an annual invoice receipt volume in the six-figure range.

THE STARTING POINT

A flexible, future-proof and integrated cash and accounting system (HKR) for the entire state of Saxony is to be implemented by 2026. The existing, technologically outdated and maintenance-intensive processes will be replaced and operations will be centrally organized in terms of both functionality and technology.

THE TASK

As part of the HKR 2025 project (Integrated Budget, Cash and Accounting 2025) project, the "Electronic Invoice Processing" sub-process was first implemented for digital so-called "XRechnung" invoices and then extended for invoices in paper and PDF format. The goal was to process all incoming invoices completely digitally and without media discontinuity - from the integration of various input channels to the extraction of information and conversion into the XRechnung format through to the export to various target systems.

THE SOLUTION

NOVO CxP is used as a software solution for paper and PDF invoices, which is connected to the departments' email inboxes and scanning routes as a central platform. NOVO CxP receives the invoice documents (including potential attachments), extracts the required relevant information, compares to bank information with existing databases and adds address information (if available). For export to the target systems, the data is prepared, converted into the digital XRechnung format and the invoice data is transferred to the invoice approval process as a ZIP archive.

THE RESULT

With NOVO CxP, all incoming invoices that are not yet in XRechnung format are automatically digitized and processed. Manual effort and throughput times have been significantly reduced and subsequent process steps digitized without media discontinuity. The integration of NOVO CxP has laid the foundation for further automation solutions in specialist processes to efficiently support the digital transformation.

ABOUT US

With our software solutions, we help companies optimize their data-, document- and object-driven processes and make **hyperautomation** and **intelligent document processing (IDP)** possible.

We offer an **AI-powered low-code platform** that delivers intelligent process automation (IPA) and efficient digitization. Business workflows are highly automated through integrated AI for content and capture services.

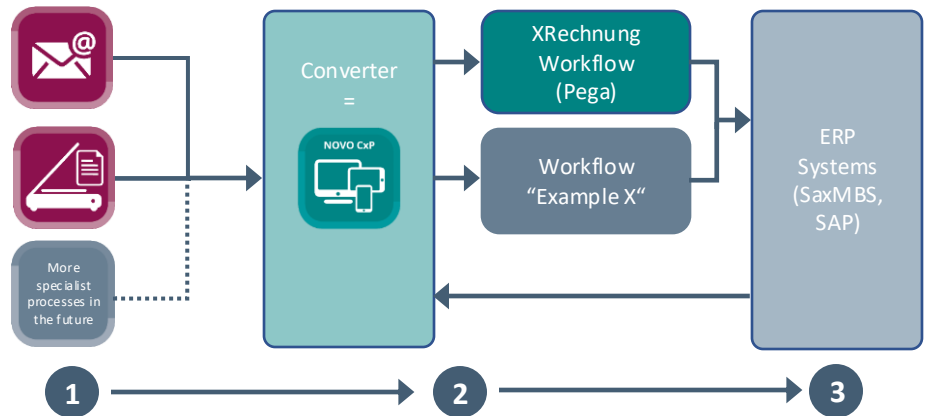


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Learn more:
Request a **DEMO**
THE PLATFORM
Sign up for our **NEWSLETTER**

THE ELECTRONIC INVOICING PROCESS

The aim of the project at the Saxon State Ministry of Finance was to **fully digitize and automate the entire invoice processing**. The main goal was to achieve **continuous digital processing** without media disruptions.



1 INPUT CHANNELS:

- **Integration of the departments' email inboxes:** Central inboxes are connected for the dynamic forwarding of emails. The forwarding of mailbox content is controlled via a mapping database table. In the final stage, more than 100 mailboxes will be connected to the system.
- **Connection of the scanning routes of the departments:** Analog invoices and their attachments are scanned and made available to subsequent workflows together with the generated XRechnung invoice as a ZIP archive.

2 PROCESSING:

- **Extraction of information:** Relevant information is extracted from the invoices using RegEx and anchors. In addition, the address data is enriched via a central database.
 - **Address data enrichment:** The extracted IBAN is used to check whether a corresponding address data record exists. If necessary, the address data is transferred to the XRechnung invoice.
- **Preparation of the data:** The prepared data is converted into the XRechnung format and provided including the original documents and processing information:
 - XRechnung.pdf (invoice in PDF format)
 - InvoiceContainer.xml (routing slip with processing information)
 - Confidencefile.xml (information on the quality of the readout)
 - XRechnung.xml (extracted invoice data)
 - Invoice attachments as PDF
 - Original e-mail when received via e-mail inbox

3 EXPORT TO TARGET SYSTEM:

- **Transfer to the invoice approval process:** The processed files are packed into a ZIP container and transferred to the approval process. This is where various downstream systems can be addressed.
- **Logging:** All information is logged in an MS SQL database.



MATTHIAS TRAUTWEIN

Consultant / CPO Pega / Product Manager eERB & HKR Portal

"With NOVO CxP, we have significantly accelerated our invoice processing and also laid the foundation for our digital transformation."

BENEFITS with NOVO CxP:

- **Increased efficiency** through reduction of manual work steps
- **Smooth processing** regardless of digital or analog input
- **Improved data quality** through extraction and validation of invoice data
- **Transparency & traceability** through logging of all steps
- **Flexible scalability**, both for increasing the number of invoices or implementing additional processes
- **Compliance with legal requirements and increased data security** thanks to standardized and automated processes