

The xyzmo e-billing solution

The convenient way to cut costs

Electronic billing is the quick, efficient and secure alternative to posting or faxing bills. Both the party sending the invoice and the addressee cut their costs considerably as the paper-based stages of the former process are integrated in the digital process. xyzmo Seal Server enables you to conveniently and cost-effectively change over to electronic billing.

The ERP manufacturer incorporates xyzmo Seal Server via interfaces which are not dependent on the operating system (web service, files, e-mail). We would recommend linking in via the web service. You can easily call up the signature process regardless of your IT environment as a web service, provided by xyzmo Seal Server. This eliminates the time and effort needed to produce a manufacturer's declaration.

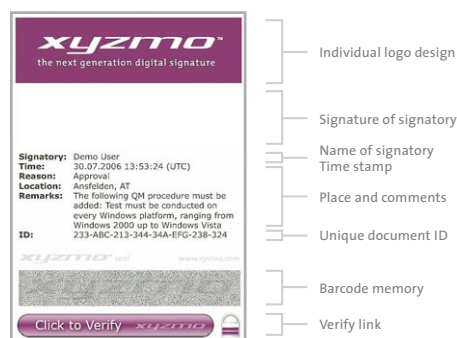
Benefits of the xyzmo Seal Server

- Complete plug & play-capable solution
- Simple integration via web service without another manufacturer's declarations
- High level of scalability
- The user prints out bills as usual, the server takes care of the signature
- The recipient can verify the bill signed using xyzmo Seal via the web service (no extra software or certificates needed)
- The xyzmo Seal signature method is an integral part of the xyzmo Seal Server
- The xyzmo Seal Server also supports all common signature methods
- Once the signature has been verified, a detailed verification report is produced
- The xyzmo Seal signature allows any recipient to automatically further process the data provided (e.g. XML, EDI, IDOC, ASCII, invoice record, etc.)
- Digitally signing bills saves a lot of time and money as it does away with manual steps. Even companies that handle only small numbers of invoices can very quickly profit from the change to digital processes

xyzmo Seal

xyzmo Seal is an efficient and secure way to sign documents. It is the world's leading signature method and an integral part of the xyzmo Seal Server. The forward-looking software solution transfers the processing of stamping and signing documents into the digital workflow. The xyzmo Seal is visible on both electronic documents and print-outs. Your personal signature can even be inserted on request. This is unique amongst digital signatures and is helping the xyzmo Seal gain widespread acceptance among recipients.

The xyzmo Seal high-performance barcode allows large amounts of data to be stored in a small memory. This barcode allows electronic data to be stored on paper such that it cannot be tampered with. The original file can be reproduced once scanned in.



Use xyzmo Seal to sign documents in an efficient and visibly secure way!

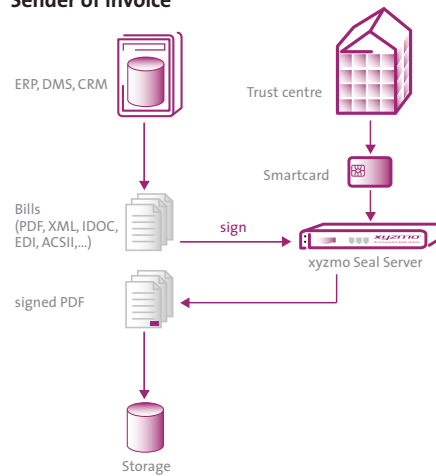
Verification options

Depending on the system environment and preferences, the recipient of invoices signed using xyzmo Seal can select from the following verification options:

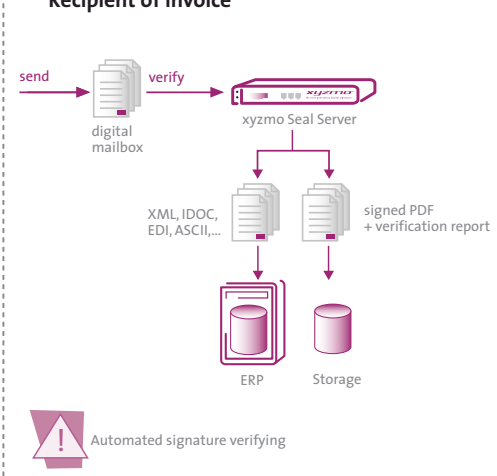
Option 1

The recipient also uses a xyzmo Seal Server for signing/verifying.

Sender of invoice



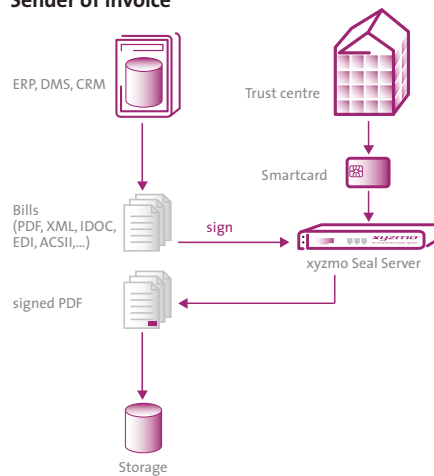
Recipient of invoice



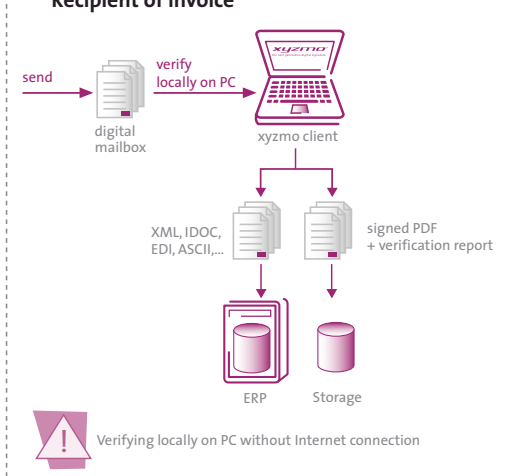
Option 2

Offline verification when installing xyzmo Seal Client. The recipient installs the xyzmo Seal Client on his PC and verifies the signed bill locally. An Internet connection is not required.

Sender of invoice



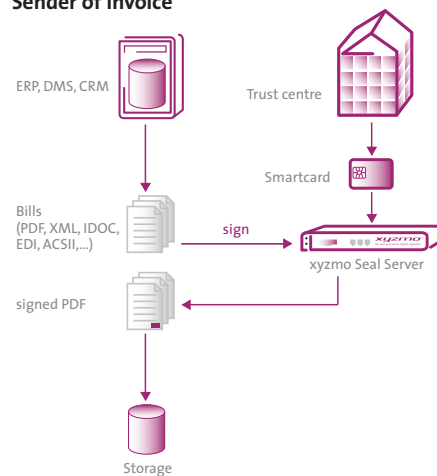
Recipient of invoice



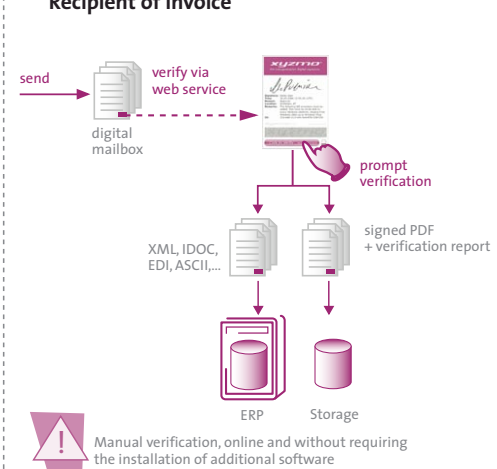
Option 3

Manual online verification without requiring the installation of additional software. The verification is prompted by clicking on the “click to verify” button and is either carried out on a xyzmo Seal Server (free xyzmo online service) or on the sender’s xyzmo Seal Server. The verification can therefore take place on the sender’s server since this can state with traceable reliability that it was the server that sent the document and that the content has not been altered.

Sender of invoice



Recipient of invoice

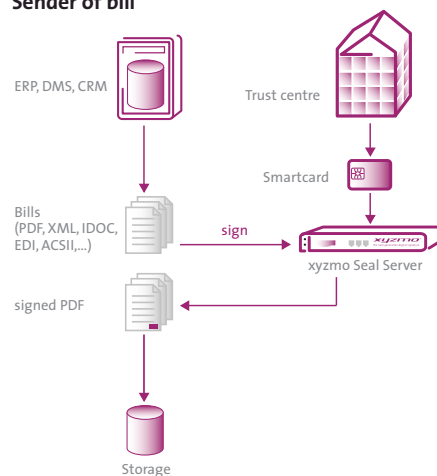


Option 4

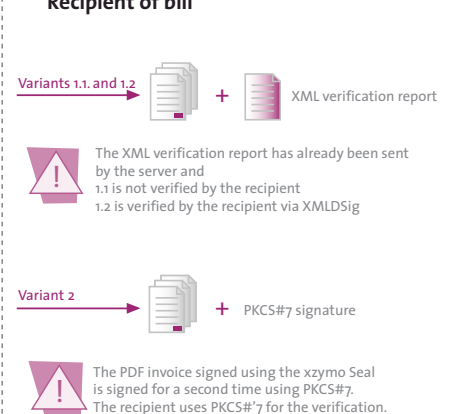
Options for verifying the xyzmo Seal signature if the recipient is already using a different signature solution. If the recipient of the invoice is using a different signature solution, he can still enjoy the benefits of the visible xyzmo Seal signature (embedding of machine-readable data in invoice PDF).

The sender sends an XML verification report to the recipient along with the signed invoice. The recipient either accepts this without verifying or he verifies the verification report via XMLDSig. Another option is to sign the bill again (already signed using the xyzmo Seal) with a PKCS#7 signature. The recipient then simply verifies this signature.

Sender of bill



Recipient of bill



Legal requirements

Strict European regulations govern the framework conditions for digital signatures. When digital invoicing was introduced, the legislator included the need for the authenticity of origin and the integrity of content using an advanced or rather a qualified electronic signature in the Value Added Tax Act. xyzmo Seal technology reliably detects any falsification of the digital signature or the signed data and therefore satisfies these regulations. The xyzmo Seal signature method has a manufacturer's declaration lodged with the German Federal Network Agency. In Austria, it is licensed by Rundfunk und Telekom Regulierungs- GmbH and therefore recognised across the EU.

The recipient of an electronic invoice signed using xyzmo Seal is therefore entitled to claim the declared VAT in his input tax deduction calculation.

Benefits for anyone sending invoices

- Fully electronic billing process
- No need to print invoices, put them in envelopes, post and store them
- Value gains due to shorter throughput times (postage route)
- Mass signing even if you only process a few invoices
- Electronic storage rather than paper archives
- Accepted by the invoice recipient thanks to the visible signature and the signature verification report provided
- In compliance with law

The purpose of the digital signature

A digital signature protects the contents of electronic documents and proves their origin. This guarantees that the document you receive actually came from the author/sender and has not been altered in the meantime. Any changes in the document are indicated without delay in the verification process. xyzmo uses a procedure that allows electronically signed documents to be easily verified at the click of the mouse button and places no technical requirements on the recipient.

xyzmo Seal Server should be used to sign not just invoices but all electronic documents requiring protection, e.g. contracts or tenders. All fully electronic processes save time and money. They also raise levels of transparency, efficiency and security.

Invoices signed using xyzmo Seal Server

The xyzmo Seal Server is the proven complete solution for digital signatures. It supports all signature methods and can be used universally. The xyzmo Seal signature solution produces legally compliant electronic invoices and the assurance that they can not be falsified unnoticed.

The invoices produced (in an ERP, DMS or CRM system, etc.) are sent via a web service to the xyzmo Seal Server for signing across standard interfaces. The xyzmo Seal Server provides the signature and, depending on the signature format selected, converts your invoice into a protected PDF or an XML file.

Any recipients using xyzmo technology themselves will enjoy huge benefits from the xyzmo Seal signature. They will profit from the fact that the machine-readable data (PDF, XML, IDOC, EDI, ASCII, Invoice record, etc.) is embedded directly in the PDF invoice signed using xyzmo Seal. This gives them an invoice they can recognise at a glance and the data used for automated further processing.

Benefits for recipients of invoices

- Visible signature, also on print-out
- No separate technology needed to verify the signature
- A verification report is provided
- for legally compliant input tax deduction calculations
- Electronic storage rather than paper archives
- No need to involve the post office, open, copy, distribute internally or scan documents, so the costs and resources associated with these processes can be saved
- Optimisation in throughput times
- Avoidance of error sources (e.g. incorrect storage)
- Optimised process for verification, researching, managing and auditing
- Simple automation of processes (e.g. payments, ordering system)