SIGNificant e–Signature Enterprise Platform (Server based)

xyzmo's SIGNificant Server Platform allows you to electronically sign documents such as contracts or agreements with your handwritten signature captured by a signature pad, a mobile tablet, a smartphone, iPad or Android device, or even a payment terminal. It safely stores and binds the unique biometric data of the captured handwritten signature to the document and supports forensic analysis by a signature expert in case of a dispute. Sealing the document with a digital signature also protects it from unrecognized modifications. Its server–based architecture does not just enhance document security by locking the original document on the server, but also simplifies integration into server-side document workflows and centralized document management.
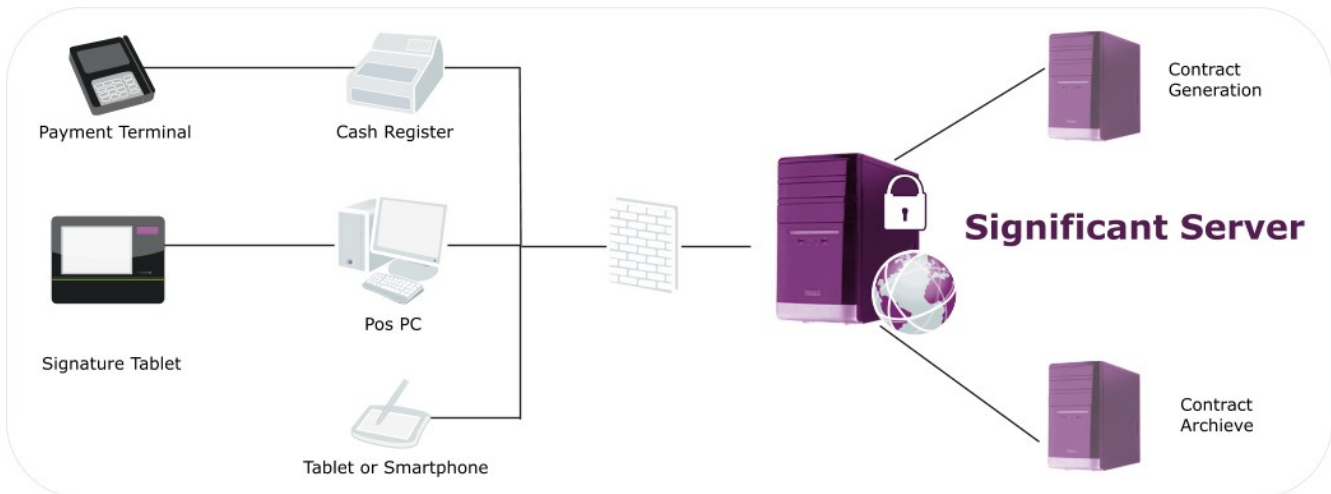
Customer Benefits

- As simple as signing on paper.
- Documents cannot get lost during delivery.
- No forgotten signatures or attachments.
- Socially accepted – handwritten e-signatures require no changes in customers' habits.
- Complete electronic contract execution resulting in a secured electronic original document.
- Reduces fraud through document integrity and optional real-time signature verification.
- Seamless and fast integration in existing application and document flows.
- Accelerates POS processes freeing up time for up- selling & cross-selling activities.
- Helps to save the planet & provides a modern image.
- ROI in less than 12 months through significantly less labour, paper, equipment, mail and archive

Unique Advantages

- End-to-end security of the biometrical data recorded from a handwritten signature.
- Supports Signature Pads, Payment Terminals, the iPad and Android Devices
- Hardware independence – exchange of devices possible without changing the software layer.
- Powerful workflow engine that enables you to efficiently control the document completion process.
- Proven biometrical signature verification in real-time with self-learning profiles.
- Robust server platform that provides high security, scalability & straightforward server-side integration.
- xyzmo and its predecessors have a combined history of more than 10 years of digital signature expertise. To date, our solutions have processed millions of electronic signatures around the globe.

Payment Terminal · Cash Register · Contract Generation · Significant Server · Signature Tablet · Pos PC · Contract Archieve · Tablet or Smartphone

Key Features of the Enterprise Platform

Handwritten Signature Capturing (Forensically identifiable) – A handwritten signature captured with SIGNificant is much more than just an electronic image of a digitized signature embedded in a PDF. We record – forensically identifiably – the handwritten signature of a person using all available parameters, such as acceleration, speed and rhythm. These parameters are unique to every individual and cannot be reproduced by a forger. When a signature, including all these biometric parameters, is captured locally on the device, it is safely embedded using an asynchronous public key encryption into and uniquely bound to the target PDF document.

Supports Signature Pads, Payment Terminals, the iPad, Android Devices— Enterprises can use a mix of device types as best fits their processes. For example signature pads in their branches or shops, and iPads or Android tablets for their sales force. Or alternatively capture customer signatures within their premises with signature pads, but at the same time allow customers who have an iPad or Android device to sign the same contracts on the go, on their own device. No matter how the solutions are combined, there are no obstacles, and the final result is always the same: a signed and sealed PDF.

Document Binding – When a signature, including all these biometric parameters, is captured locally on the device, it is safely embedded using an asynchronous public key encryption into and uniquely bound to the target PDF document. Copy/paste attacks can thus be easily detected.

Signature verification — SIGNificant records the signature of a person using all available parameters, such as acceleration, speed, and rhythm. If there is a dispute about a captured signature, an expert tool is available to forensically analyze the biometric characteristics of the captured signature.

This capability can be taken one step further, with real–time verification of a captured signature against a signature profile stored in a database to ensure that only authorized people can actually sign a document.

Content Protection – Protect the integrity of PDF documents by sealing them with a digital signature. Supports any x509v3 certificate provided through the Windows certificate store of SIGNificant Server or through the web service interface of a client (e.g. a certificate stored in a HSM or on a local desktop PC).

Time-Stamping – The digital signature can include a timestamp from any RFC 3161 conformant timestamp server (TSA).

Watermarking – Add watermarks like "Confidential" or "Draft" to your documents.

Flatten PDFs – With that option you remove any layers (annotations, digital signatures ...) that aren't visible by some PDF viewers (e.g. on the iPad or iPhone) and consolidate it into one layer, which is support by all PDF viewers. Further it locks content in form fields and comments so you can be assured that information may no longer be changed.

Powerful Parsing for Signature Fields based on Text in the Document or other Markers – The parsing method has the capability of searching for (and optionally removing) strings from a PDF document. This is used to obtain the signature field positions from a document.

Full PDF and PDF/A Conformance – The document is Adobe Acrobat compatible, so it can be viewed by any standard PDF viewer. PDF documents are sealed with a digital signature compliant to the ISO–Standards for PDF. Thus the validity of the digital signature can be validated with Adobe Reader and many other PDF viewers.

PDF and PDF/A Conversion – Convert documents into PDF or PDF/A for e–signing through third–party components.

Optimized for Server–Based Processing – After uploading a document to the server, the client application can work with a unique 'document id' to reference the uploaded file. Consecutive operations (e.g. sign, attach file, etc.) on this file work solely with this 'document id', avoiding unnecessary upload/download operations.

Optimized for Low Bandwidth – Files can be uploaded/downloaded in 'chunks', avoiding timeouts when transferring files over slow network connections.

Web Service Interface – The SIGNificant Server offers a platform–independent web service interface (SOAP and RST/JSON) which makes it easy to integrate the functionality into any application.

Workstep Controller

SIGNificant offers much more than e–signing. With the Workstep Controller, enterprises can control and govern all steps in the completion and signing process of documents. This enables a predefined and transparent workflow to guide the signers through the document and avoid missing signatures, attachments or form fields.

Define all steps in the signing process — This includes the ability to position signature fields, define the necessary attachments and group form fields into areas, which makes it easier to guide the signer through the document in the right order.

Implementing Policies for each step —Specify if a signature field is compulsory or optional, define the order of the signature fields, enable or forbid annotations, enforce the scanning of certain attachments, define the order in which forms have to be filled out, and much more. Additionally, it's possible to enable or disable certain functionalities for a particular document, such as to save, email and print the document or to reject the workstep, to undo the last step or to add additional signatures on-the-fly.

Reject a signature or any other workstep – If the policy does allow for that, any predefined signature field or other workstep can be rejected by stating a reason for the rejection.

Visually Design the Worksteps – Use the 'Workstep Designer' in your web browser to design all steps in the signing process and assign policies to each step, using only point and click.
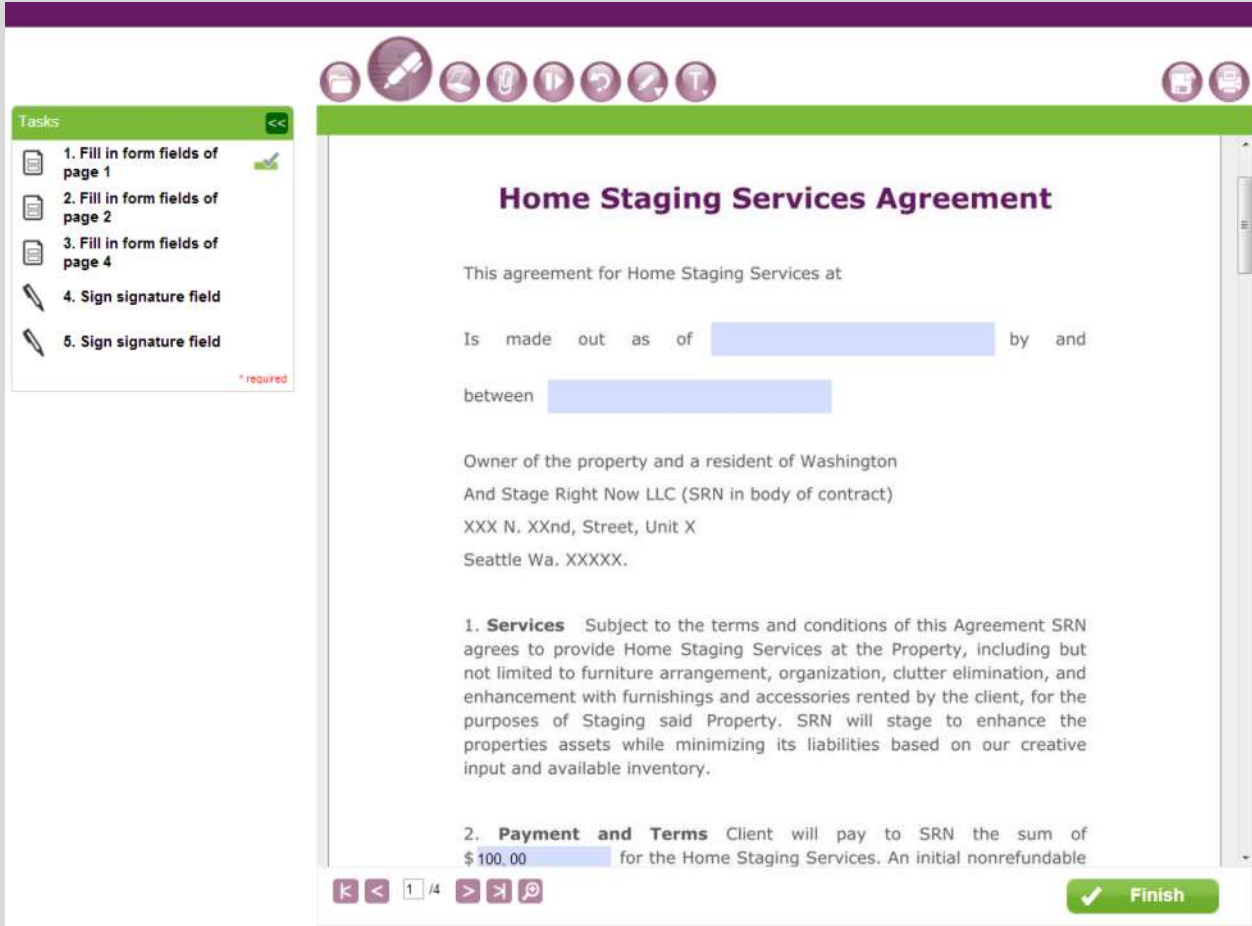
Easy Navigation through the Document – The Workstep Controller is supported by Web–Signing Interface (WSI) and the iPad / Android SIGNificant Apps. The interface shows all defined worksteps as a task list and allows for easy navigation through the document.

Process Integration – Smoothly integrate with any process: start the signing process via a URL and call a custom HTTP page when a user finishes (or rejects) a workstep.

Web–Signing Interface (WSI) - Web-based E-Signing

The SIGNificant Web Signing Interface makes signing electronic documents via a web browser as easy as signing a piece of paper without the need of local installations or downloads.

Signature Capture - Documents can be displayed in the predefined web interface, and signed using signature–capturing devices from Wacom and StepOver, interactive pen displays, tablet PCs, slate PCs and payment terminals, with digital certificates or via 'click-to-sign'.

No Installations or Downloads Required – Internet or intranet access is all that is needed. No installation or download is required to commence the work process. Inviting signers by distributing the URL of the web application is all it takes.

Add attachments — Add scans of driving license, passport or any other photo from your webcam or scanner. If your computer has a webcam you are able to attach any current photo.

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	Fill out and sign PDF forms — Complete your PDF forms and allow automated forms data extraction of signed documents.
	Typewriter — Lets you enter text anywhere on a PDF document. It is useful for typing on a non–fillable form or outside the fillable areas of a form.
	Supports all features of the Workstep Controller – Please see the section Workstep Controler for the functionalities.
	Full customization of the UI by editing the source code of the underlying ASPX page
	Print–to–Sign using the **SIGNificant Server Printer** to start the signing process from any application that can print. Uploads the document to the SIGNificant Server for processing and signing in the Web–Signing Interface

iPad / Android SIGNificant Apps

Native apps to sign PDF documents either with the finger or a pen/stylus – even when no Internet connection is available. No need for additional signing pads.
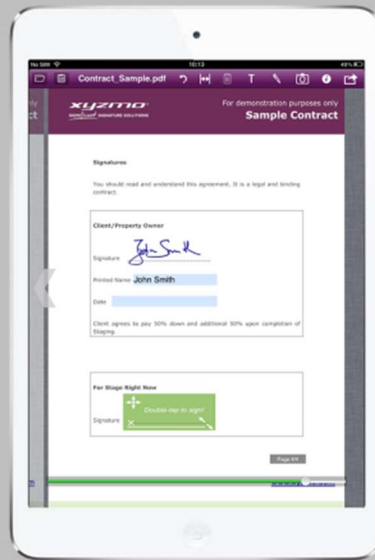
	Natural signing experience like pen on paper — While signing on the screen the signature is displayed without delay and accurately like signing with a pen on paper. The app fully supports both Android–powered tablets which are equipped with an active stylus pen and external pens for the iPad. The signing area can optionally be moved to the bottom of the screen to provide the best possible palm protection and hand rest.
	Browse Through Multipage Documents – Browse and review multipage documents before you sign them. Especially useful for field agents to get documents signed in person, in real time, by presenting a document to a client on a tablet.
	Add attachments — Add scans of driving license, passport or any other photo out of your photo gallery. If your tablet has a camera you are able to attach any current photo.
	Fill out and sign PDF forms — Complete your PDF forms on the go and allow automated forms data extraction of signed documents.

T	**Typewriter** — Lets you enter text anywhere on a PDF document. It is useful for typing on a non–fillable form or outside the fillable areas of a form.
	Supports all features of the Workstep Controller – Please see the section Workstep Controler for the functionalities.
	No need to transfer a PDF to the tablet — The user receives a link to access the PDF on the server, and only image previews are transferred to the app. Thus, the signed original document is for security reasons only available on the server and not automatically copied and thus duplicated to the mobile device. All manipulations off the PDF are always performed in the save data center environment.
online & offline	**Offline mode** — To support working conditions that don't allow online connectivity on a regular basis the SIGNificant app features also an offline mode which securely caches the document and signature data on the mobile device itself. Necessary synchronization automatically occurs in the background without an interaction of the user.
	Email support - After e-signing, you email your document right back from the App.
	Support for cloud storage - SIGNificant utilizes the "Open" functionality to allow you to open a document from most other applications that have documents and contracts in them – including your inbox, Dropbox, Evernote, Box(.net) and others – and sign them via SIGNificant on the go. When you are finished you can store and share documents via your cloud storage. You can store and share documents via Dropbox, Evernote, Google Docs (Drive) and Box.net
	Customization / SDK — Enterprises can utilize the xyzmo infrastructure and launch their own e–signature application, as well as integrate the functionality of SIGNificant into their own apps (The apps are also available as SDK).
	On–premises or Cloud–based — Available as an on–premises installation or provided as a cloud–based solution.

Other Signing Clients

	Custom Application / SDK – Seamless integration into a custom client application through the SIGNificant Device SDK.
	Windows Mobile 6.x – Sign receipts directly using the pen on a Windows mobile phone. Ask about other Widows Mobile support including Windows Phone 8.
	Cash Register – Sign credit card/debit slips directly with a signature pad connected to your cash machine. Special integration for cash machines available to cover the different needs for retailers.

About xyzmo SIGNificant

xyzmo's enterprise e–signature platform allows contracts, agreements, NDAs, forms, or any document that requires a signature, to be signed electronically on signature pads, payment terminals, the iPad, Android devices, Windows tablets, etc with digital certificates or online via 'click–to–sign'. It could not be easier or more secure.

xyzmo is a private company based in Ansfelden, Austria with international offices in the United States and Romania. xyzmo and its predecessors have a combined history of more than 10 years of digital signature expertise. Their solutions have processed millions of electronic signatures to–date around the globe, including for organisations such as:

About icon[uk]

icon[uk] brings best-of-breed Customer Communications Management solutions to the UK, combining some of the leading document management products, services and best practices available globally. Together they cover Electronic Signature and Enterprise Document Creation, Content Integration and Output Management. These solutions are ideal for any UK based enterprise, or public sector organisation, whose business processes rely on a high proportion of documents. Consistently deliver great documents and reduce paper.

SIGNificant Signature Solutions and xyzmo technologies are distributed in the UK by Icon[uk] and our selected Value Add Resellers. This suite is the most cost-effective and flexible software available in this market - and when implemented by our 'business-first' consultants produces outstanding ROI, risk management and customer engagement.

Contact us to find out more.