Ascertia eID validation and eID Signature Solutions

Ascertia is a global leader in delivering functionally rich, easy to deploy e-security solutions. The company focuses on digital signature creation, verification, timestamping and secure archiving products as well as eID validation. These key functions deliver the essential trust services needed by government, financial, telco & mobile, healthcare and other organisations to conduct electronic business. Businesses need traceability, accountability and audit services plus clear originator authentication, signed approvals, assured data integrity and provenance to allow them to meet legislative, regulatory and internal controls requirements.

Ascertia's products enable these security options within a variety of environments, including:
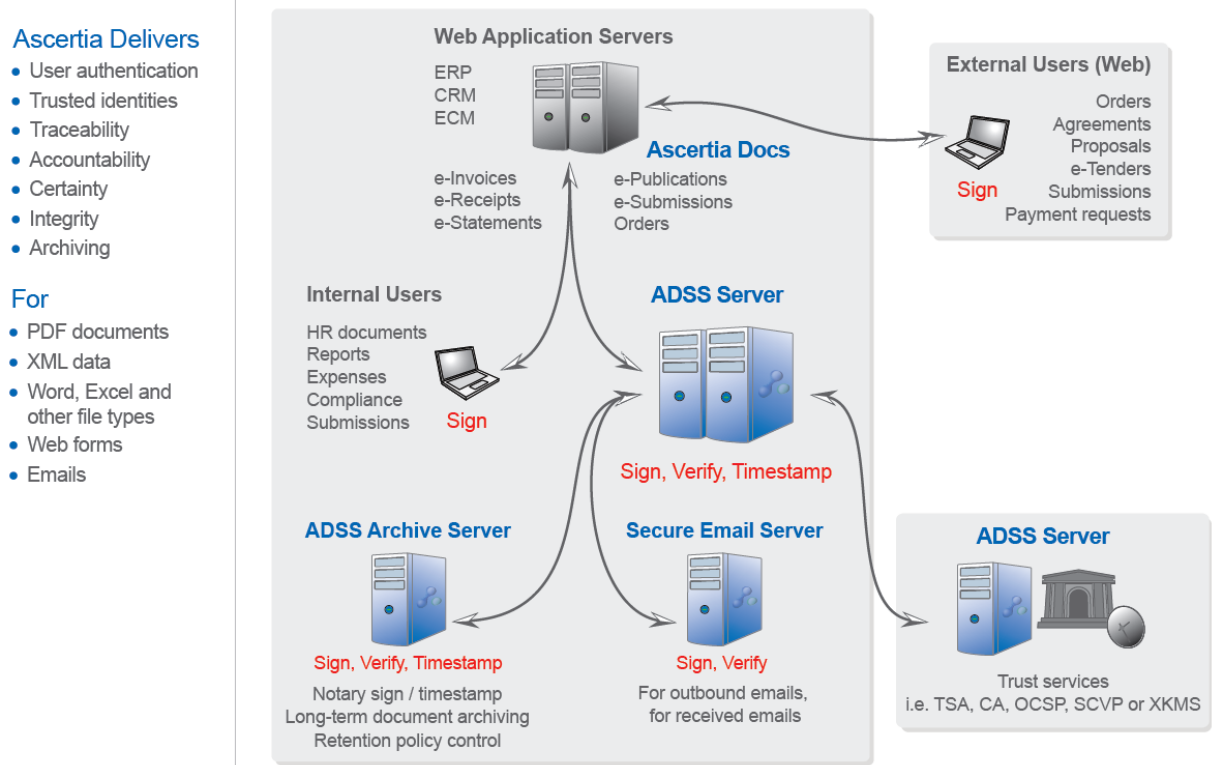
Solution Type		Business Uses
	eID Validation ADSS Server offers advanced ID validation options including CRL, OCSP, SCVP and XKMS plus OASIS DSS & DSS-X	Citizen identity validation when accessing web-sites or applications Business user identity validation when accessing web-sites or applications, including employees, partners, suppliers and customers
	PDF Signing Solutions ADSS PDF Server offers advanced digital signatures creation and verification for PDF documents, using the latest ISO and PAdES standards. Client-side and server-side signing are supported as are roamed credentials.	Bulk invoice signing, Order signing, sales agreement signing, Tender document signing, payment data and financial report signing. Health records, clinical trials, new drug signing. Scan to PDF with long-term protection signature. G2C, G2B, B2B, B2C scenarios.
	XML Signing Solutions ADSS XML Server offers advanced XML DSig and ETSI XAdES signing, verification (&d encryption) for any data.	Data signing, e.g. invoices, reporting data ERP data signing, Tender document signing, Payment signing and other G2B, B2B solutions.
	PKCS#7 / CMS Signing Solutions ADSS PKCS#7 Server offers advanced PKCS#7 CMS and ETSI CAdES signing and verification.	Data signing, e.g. engineering documents, financial information, also web-forms. Various G2B, B2B scenarios.
	S/MIME Signing Solutions ADSS PKCS#7 Server offers advanced S/MIME signing and verification.	Email data signing – typically using a Secure Email Gateway to sign and verify emails and optionally their attachments, G2B, B2B scenarios.
	Timestamping Solutions ADSS TSA Server offers advanced TSA functionality including logging and management reporting.	Any document that needs to last for a few weeks, months or years should really have a timestamp applied to prove provenance using trustworthy and independent time server.
	Archiving Solutions ADSS Archive Server offers advanced IETF LTANS e-archiving functionality.	Any document that needs to be archived for 5 or more years benefits from having a long-term, refreshable evidence record that proves its original existence and integrity.
	Workflow and Approval Solutions Ascertia Docs is a cloud computing solution for document approval for internal and external users wanting to sign, confirm or approve an agreement, order, quotation or similar.	Able to run either on private or public clouds it revolutionises the way in which documents are approved. Traceability, accountability and audit services are delivered with signed approvals, with data integrity and provenance, enabling swifter action with lower costs and risks.

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Firms can now safely migrate paper-intensive processes to the digital world using Ascertia's products to clearly show documents are signed-off and approved, prevent unauthorised changes, provide legal weight evidence & protect corporate reputations

Ascertia enables its partners and customers to answer these types of questions:

Who are you?
- Using Biometric / Smartcard / Tokens or soft Windows or Unix credentials
- Windows Logon, Windows applications
- Server Application logon
- Building access
- Real-time identity validation

Who signed the data and when?
- Signed PDF documents for global interoperability!
- Signed Office, XML or other files or web-forms
- When was this data timestamped?
- Can I be sure that the data has not been altered?
- Can this be used in a workflow process?

Traceability and Compliance
- When was this accessed?
- Who was the data originator, who approved, who released, when was this, were checks made?
- Can you confirm the signing time of the document?
- Can I enforce controls for my business processes?
- Will my digital signature be legally valid in 7 years?

Receipts, Invoices and Archiving
- Is it easy to ask suppliers to sign their offers?
- Can a signed PDF receipt be issued for that order?
- Is it easy to issue digitally signed invoices which can be verified by anyone?
- Can I verify and trust incoming documents?
- Can data be signed & timestamped & archived?
- Are these signatures legally accepted?

The following diagram illustrates how Ascertia's core technology can be used in many different ways to secure important information:

Ascertia Delivers
- User authentication
- Trusted identities
- Traceability
- Accountability
- Certainty
- Integrity
- Archiving

For
- PDF documents
- XML data
- Word, Excel and other file types
- Web forms
- Emails

Web Application Servers
ERP
CRM
ECM

e-Invoices
e-Receipts
e-Statements

Ascertia Docs
e-Publications
e-Submissions
Orders

External Users (Web)
Orders
Agreements
Proposals
e-Tenders
Submissions
Payment requests

Sign

Internal Users
HR documents
Reports
Expenses
Compliance
Submissions

Sign

ADSS Server

Sign, Verify, Timestamp

ADSS Archive Server

Sign, Verify, Timestamp

Notary sign / timestamp
Long-term document archiving
Retention policy control

Secure Email Server

Sign, Verify

For outbound emails,
for received emails

ADSS Server

Trust services
i.e. TSA, CA, OCSP, SCVP or XKMS

To summarise, ADSS Server is able to:
- ❖ Sign PDF documents, XML data, Word, Excel, TIF, JPEG and other data and files;
- ❖ Verify signed documents, digital identities (eIDs) for authentication, integrity & non-repudiation;
- ❖ Act as a very effective commercial or enterprise Timestamp Authority and e-Archive Server;
- ❖ Generate keys/certs and validate certificates from multiple CAs using OCSP, SCVP or XKMS.

Ask us for further information on how we can deliver trust services that protect your business documents and workflow processes info@ascertia.com

Identity Proven, Trust Delivered