notarius

November 7
2018

Going Paperless is the Goal, Digital Signatures are the Solution

Plan

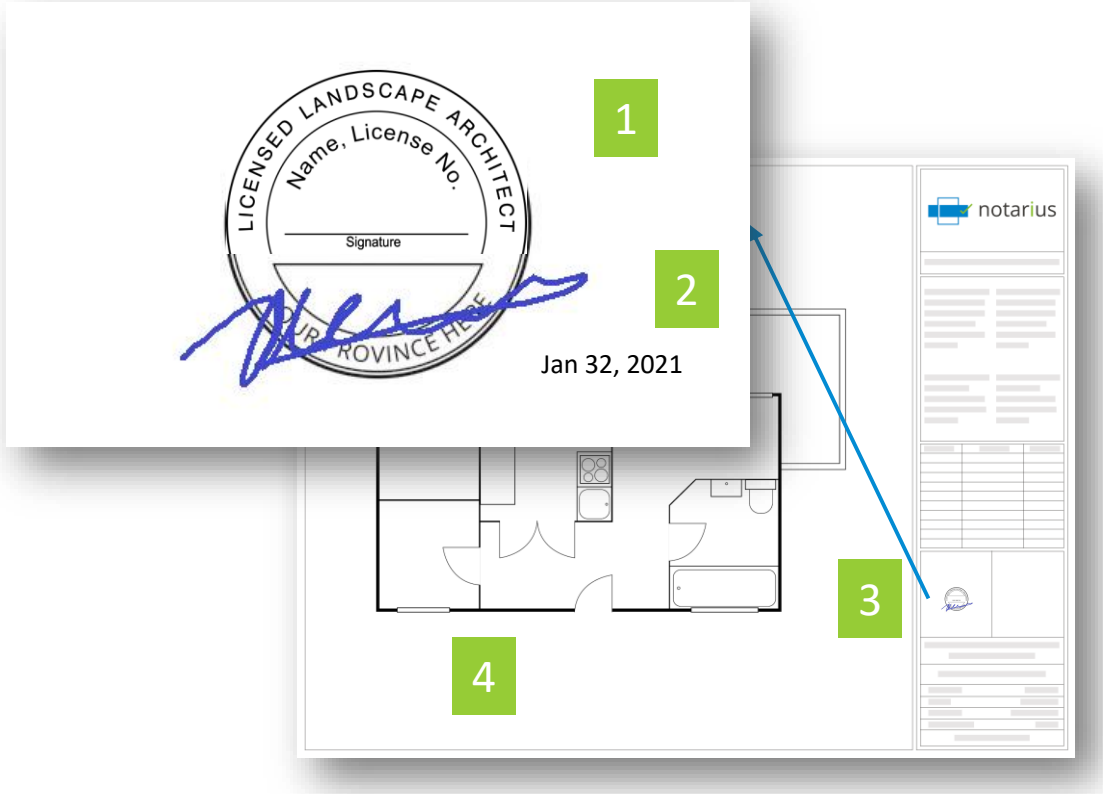
1. **Why we sign/seal?**
2. **Signatures**
   - Definition
   - Types
   - Legal perspective
3. **Demo**
   - PDF digitally signed
   - Digital Signature Validation
   - PDF modified
4. **Notarius**
   - Our Expertise
   - Our Partners/Clients
   - Our Solutions
5. **Savings and Cost of a Digital Signature**
   - ROI
   - Pricing

Why do professional use a seal to authenticate official documents/drawings?

Sealing & Signing a Paper Document

Paper documents must meet 4 guiding principles to be considered official.

1) **Identity & Authorization:** Seal confirms identity of trusted issuer, unique identifier (member number), professional designation, personal identity.
2) **Authenticity:** Professional's signature confirms the authenticity that it is associated with the identity of seal.
3) **Integrity:** By sealing and signing, the integrity of the document is confirmed and dated to a particular moment in time.
4) **Longevity:** Paper selected for ease of use and long term archiving.



It can’t happen to me?

- **Fraudulent use of seal**
- **Identity theft**
- **Growing concerns for Professional Associations (landscape architects, architects,engineers, etc)**

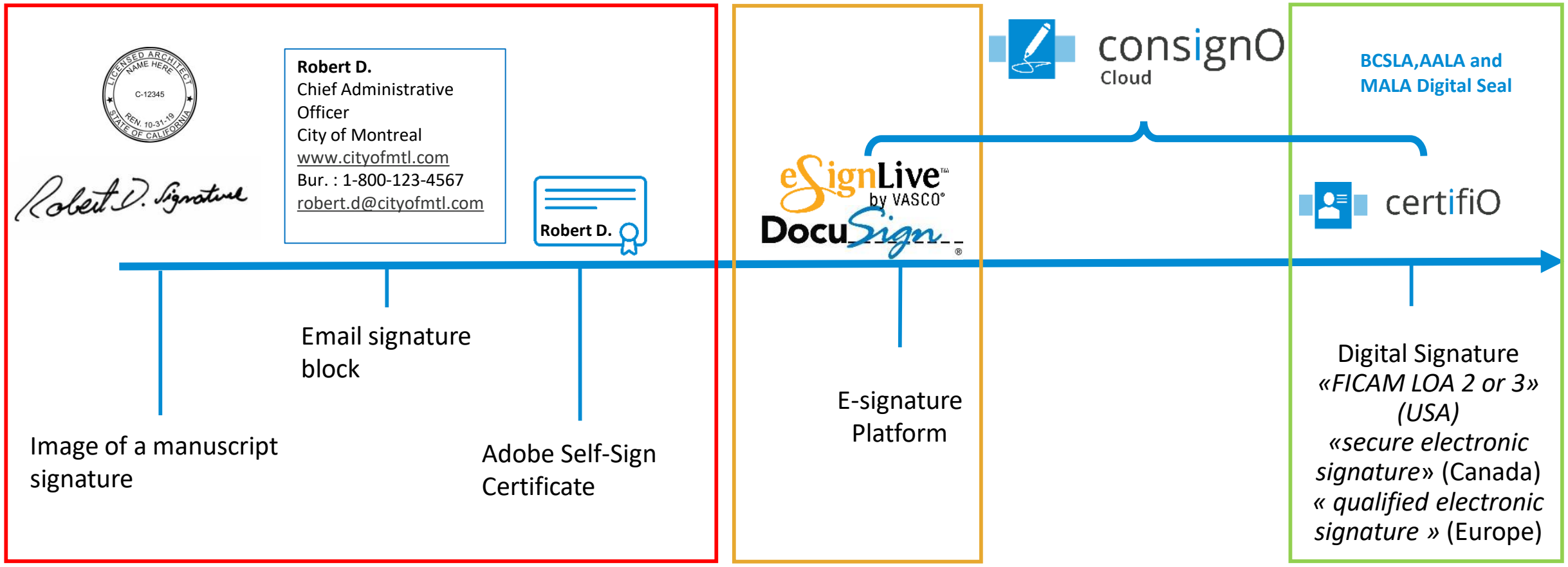
What is a signature?

What is a Signature?

Signature	Electronic Signature	Digital Signature
Permanent marks bonded to static documents that are traceable, exclusive and personal to individuals. They constitute evidence of implicit or explicit intent. *Permanent – Binding – Static Traceable – Exclusive – Intent*	Signatures in the electronic medium. They cover a vast array of use cases and are of varying reliability.	Electronic signatures in which reliability characteristics have been reinforced with cryptography to augment document reliability.

Spectrum of Electronic & Digital Signatures

Spectrum of Electronic & Digital Signatures



“Are Digital Signatures legal in Canada?”

Legal perspective

E-commerce legislation throught out Canada since 2000.

- Principle of functional equivalence and technological neutrality
- Recognition of the legal validity of electronic documents

Both BC and Alberta *Electronic Transaction Act* states: “Information or a record to which this Act applies must not be denied legal effect or enforceability solely by reason that it is in electronic form.”*

We can also read in both Acts : “If there is a requirement under law for the signature of a person, that requirement is satisfied by an electronic signature.”*

Manitoba *Electronic Commerce and Information Act* has a similar wording for those 2 principles, see section 11 and 13;

Electronic signatures are recognized as a valid means of expressing consent and signing documents, to the extent that the integrity of the signed document can be established.

* Subject to exceptions

Document reliability

4 key attributes

Identity

Identity + employer or professional status

Integrity

Protects against unauthorized changes

Authenticity

Proof of identity and integrity embedded in document

Longevity

Readable and valid for decades

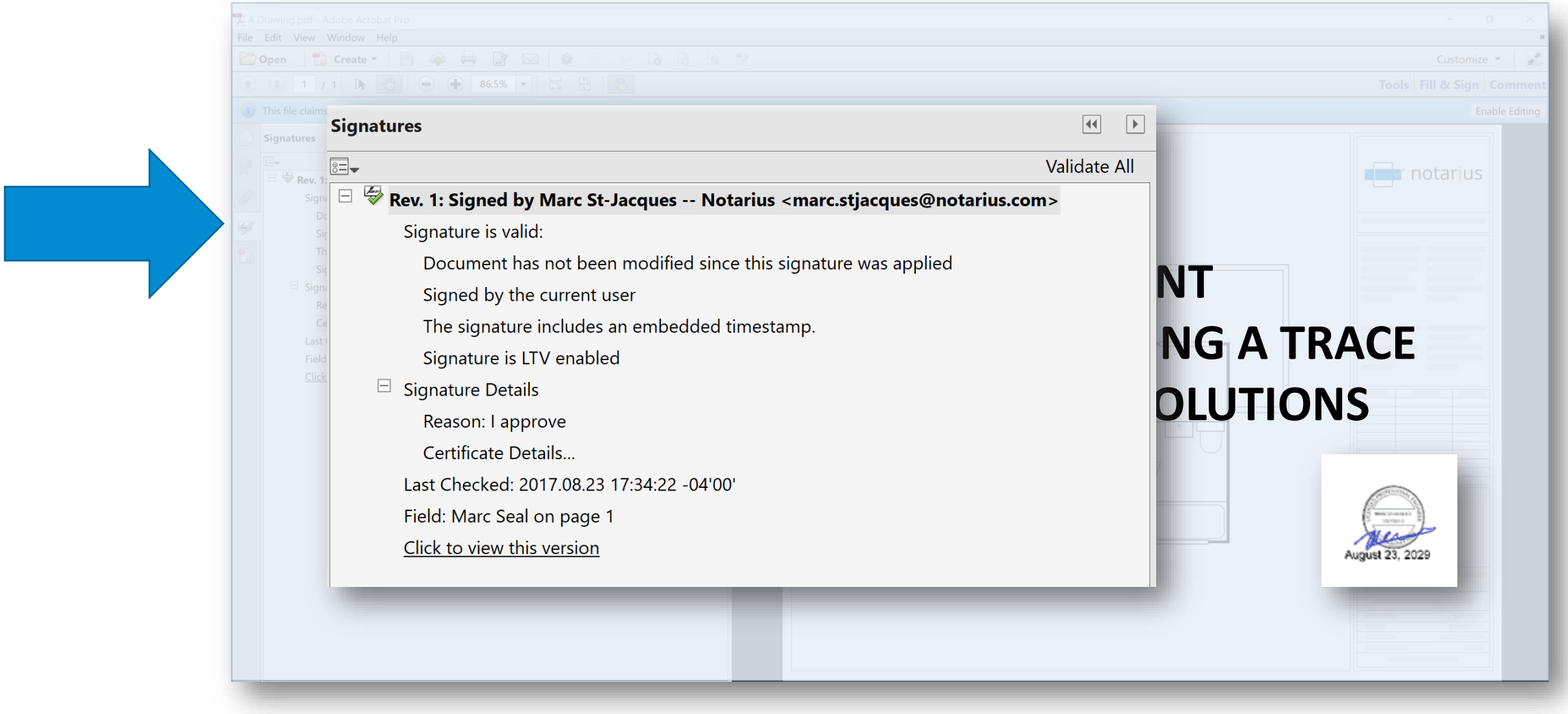
Documents produced by Landscape Architects require a high degree of reliability

- even if the technologies used to sign, or its provider, no longer exists
- even if the audit log cannot be found

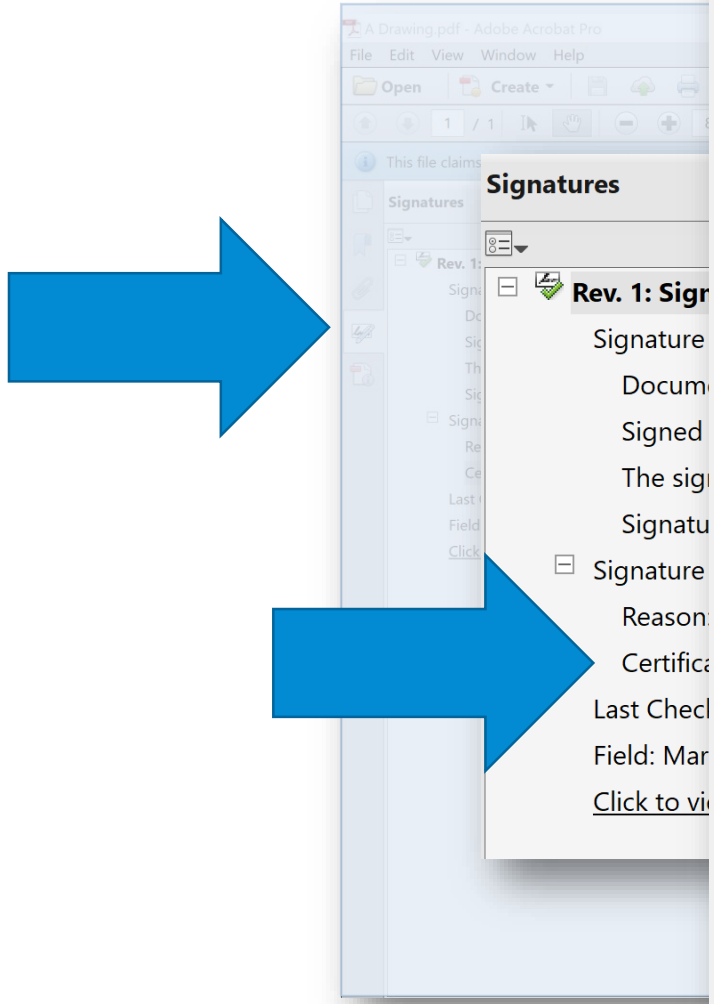
Never compromise reliability

What does a PDF look like, if digitally signed?

What Does a Digitally Sealed/Signed PDF Look Like?



What Does a



This dialog allows you to view the details of a certificate and its entire issuance chain. The details correspond to the selected entry.

☐ Show all certification paths found

otarius Certificate Authority
Marc St-Jacques -- Notarius <

Summary | Details | Revocation | Trust | Policies | Legal Notice

Certificate data:

Name	Value
Version	3
Signature algorithm	SHA256 RSA
Subject	0.9.2342.19200300.100.1.1=marc.stjacqu...
Issuer	cn=Notarius Certificate Authority, o=Not...
Serial number	37 DE AB 8A 00 00 00 00 54 92 53 01
Validity starts	2017/02/02 14:43:16 -04'00'
Validity ends	2019/02/02 15:13:16 -04'00'
Subject key identifi	<see details>

0.9.2342.19200300.100.1.1=marc.stjacques@notarius.com
cn=Marc St-Jacques -- Notarius
ou=Solutions Notarius
o=CertifiO - Empl. - AATL
c=CA

Trust and Validation

Certificate details	In the example	AALA/BCSLA/MALA Digital Seal
UID (User ID)	1234 + Marc St-Jacques + marc.stjacques@notarius.com	**Landscape Architect's Member number + email**
CN (common Name)	Marc St-Jacques	**Landscape Architect's Name**
OU (Issuer)	Notarius	**AALA/BCSLA/MALA**
O (product name)	CertifiO for Employee	**CertifiO for professional**
C (roots)	Certificate Authority	**Certificate Authority**

Digitally signing a portfolio??

PDF/A-3 ISO standard

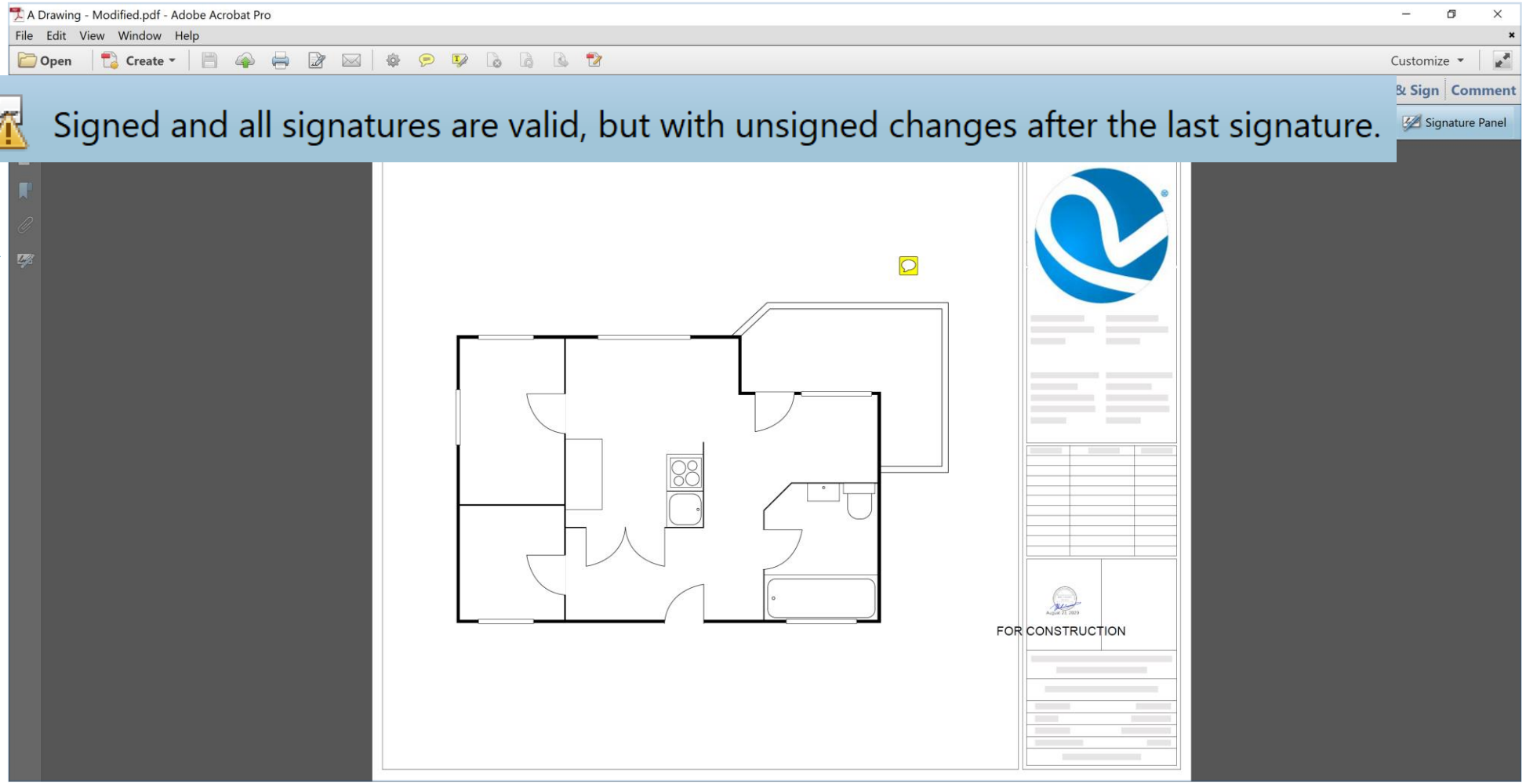
The PDF/A-3 standards allow for embedding of files of any type, within a PDF. Our Software *ConsignO Desktop* allow for the creation of a PDF/A-3.

It is done by converting a document to a PDF/A-3 and then adding the attachments to the document. The whole can be digitally signed.

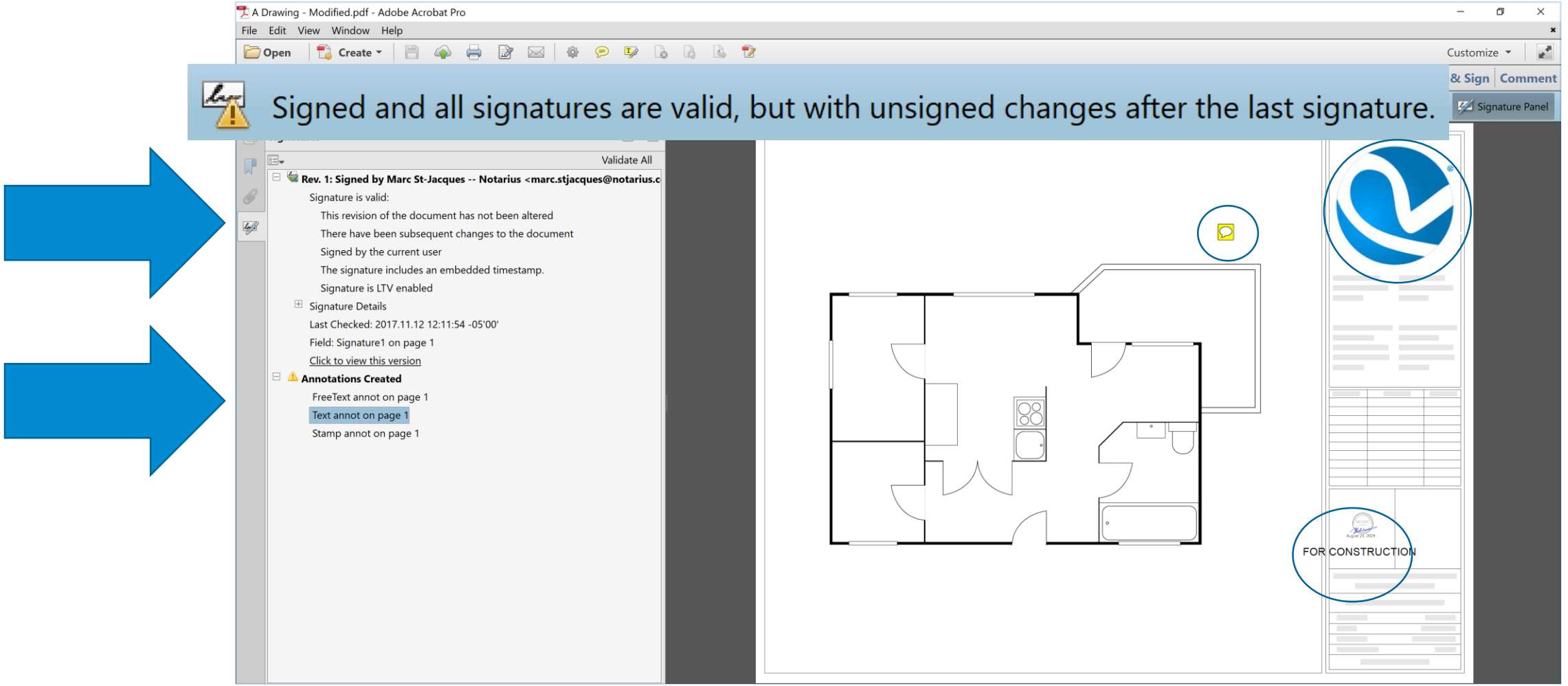
…BIM MODELS , AUTOCAD, AUTODESK REVIT, EXCEL SPREADSHEETS, IMAGES, VIDEOS, etc…

What does a modified PDF look like, if digitally signed?

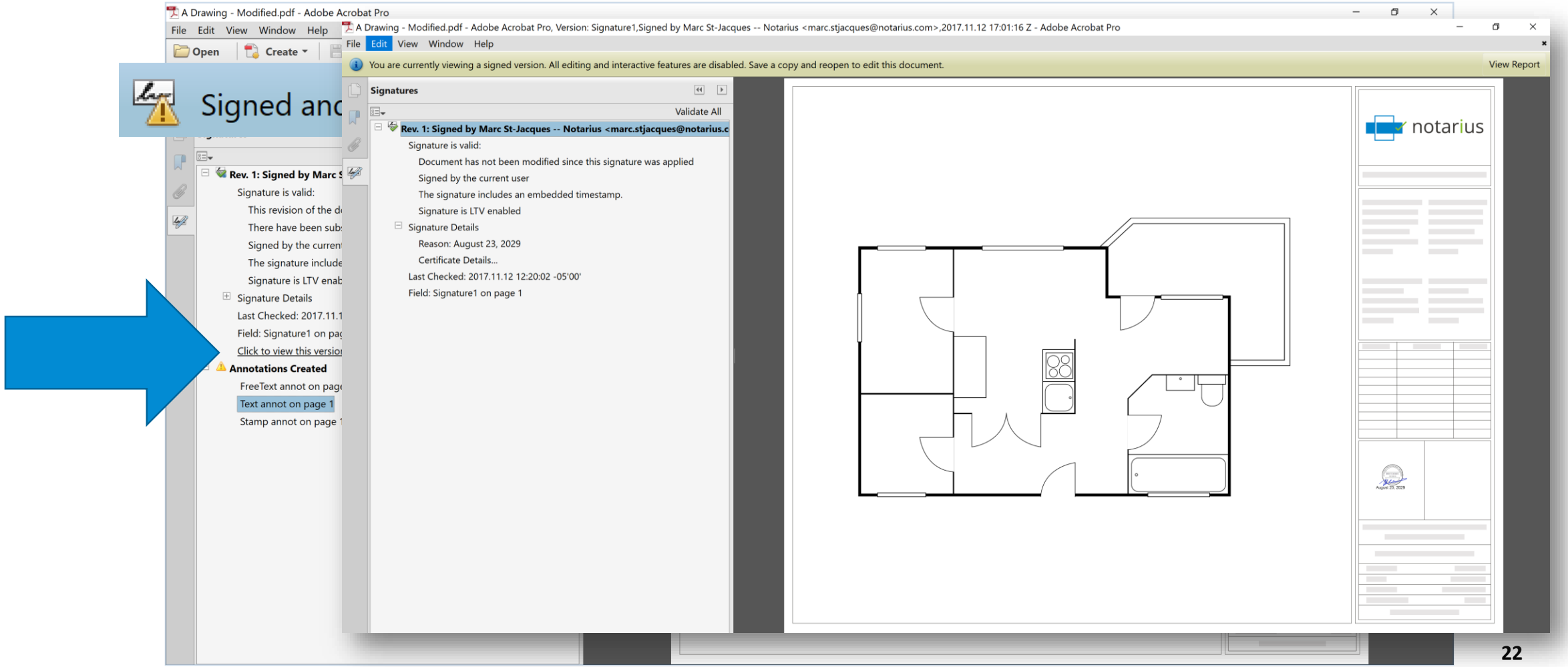
Digitally Signed PDF That Was Tampered



Digitally Signed PDF That Was Tampered



Digitally Signed PDF That Was Tampered



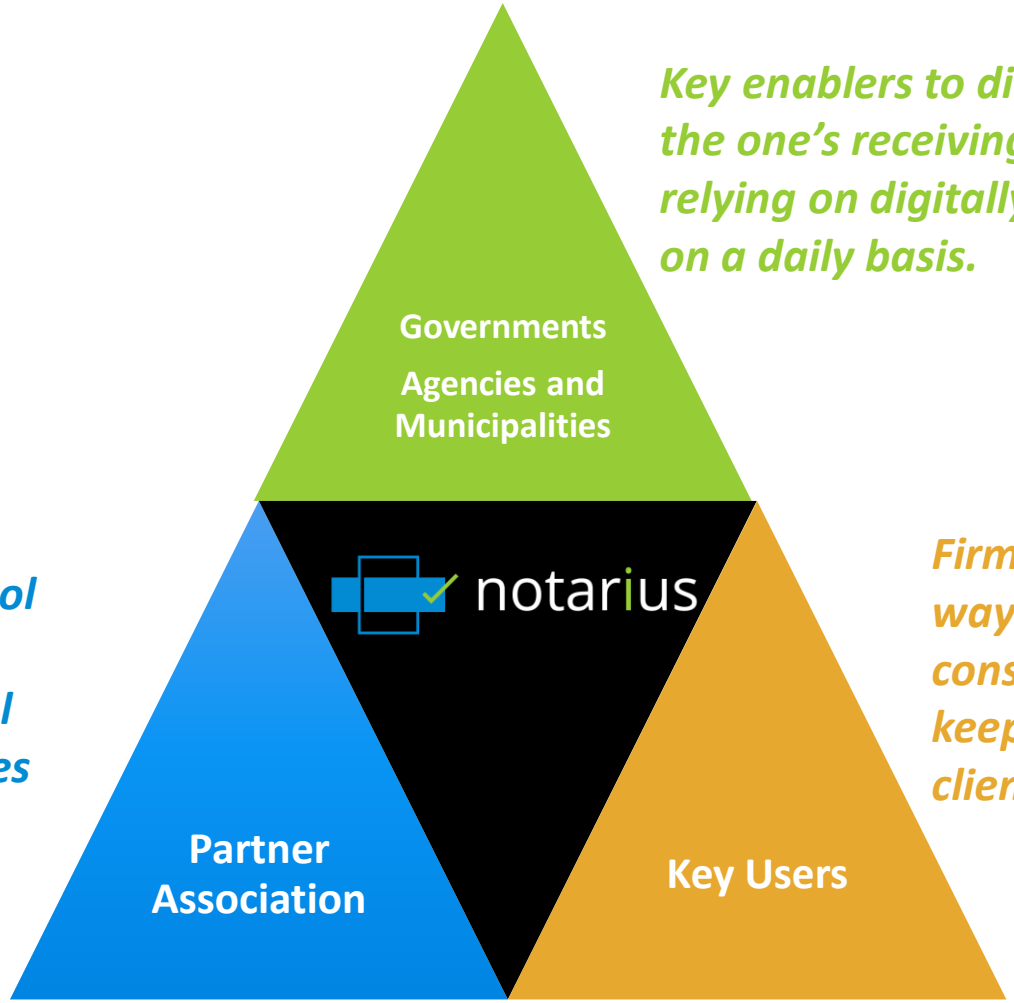
Why Notarius?

The Big Picture

A sustainable digital professional ecosystem consists of 3 key participants:

1. Trusted issuer: Association
2. Users: Professionals
3. Recognition: Client acceptance and reliance

They establish competency profiles, control admission to the profession and ensures members remain competent. They control the issuance of digital seals and signatures needed by professionals.

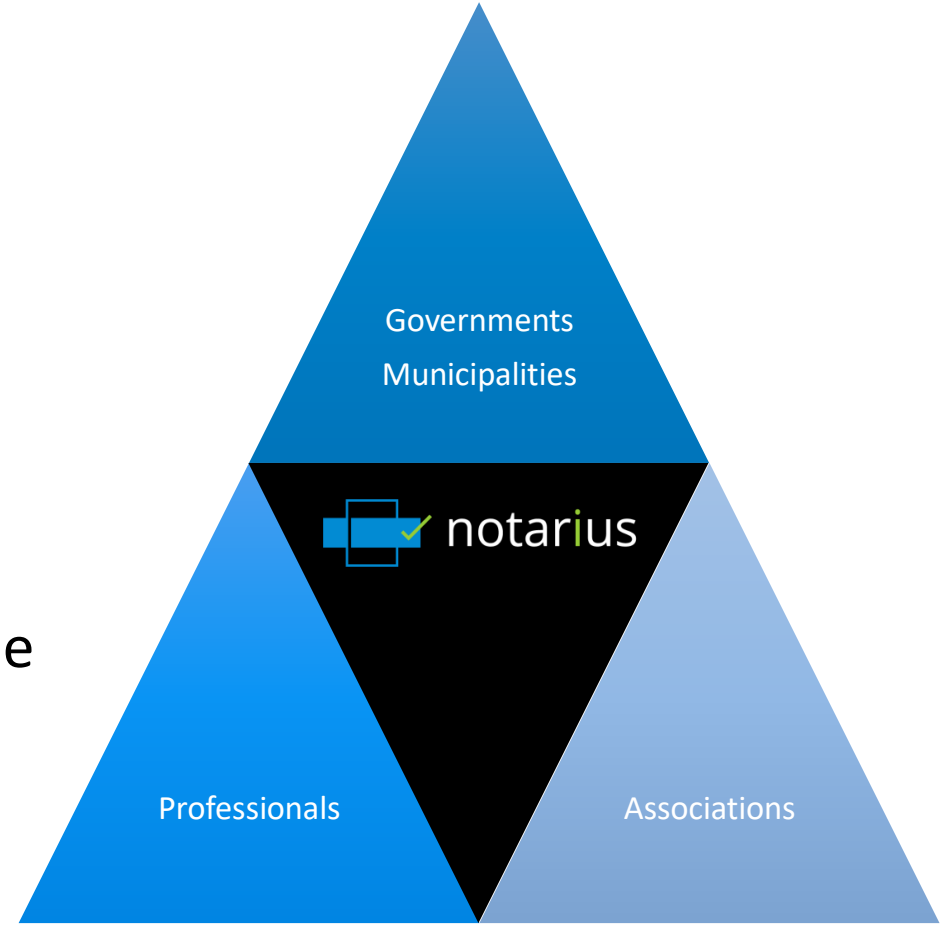


Key enablers to digital transformation, they are the one's receiving / consuming / approving / relying on digitally signed and sealed documents on a daily basis.

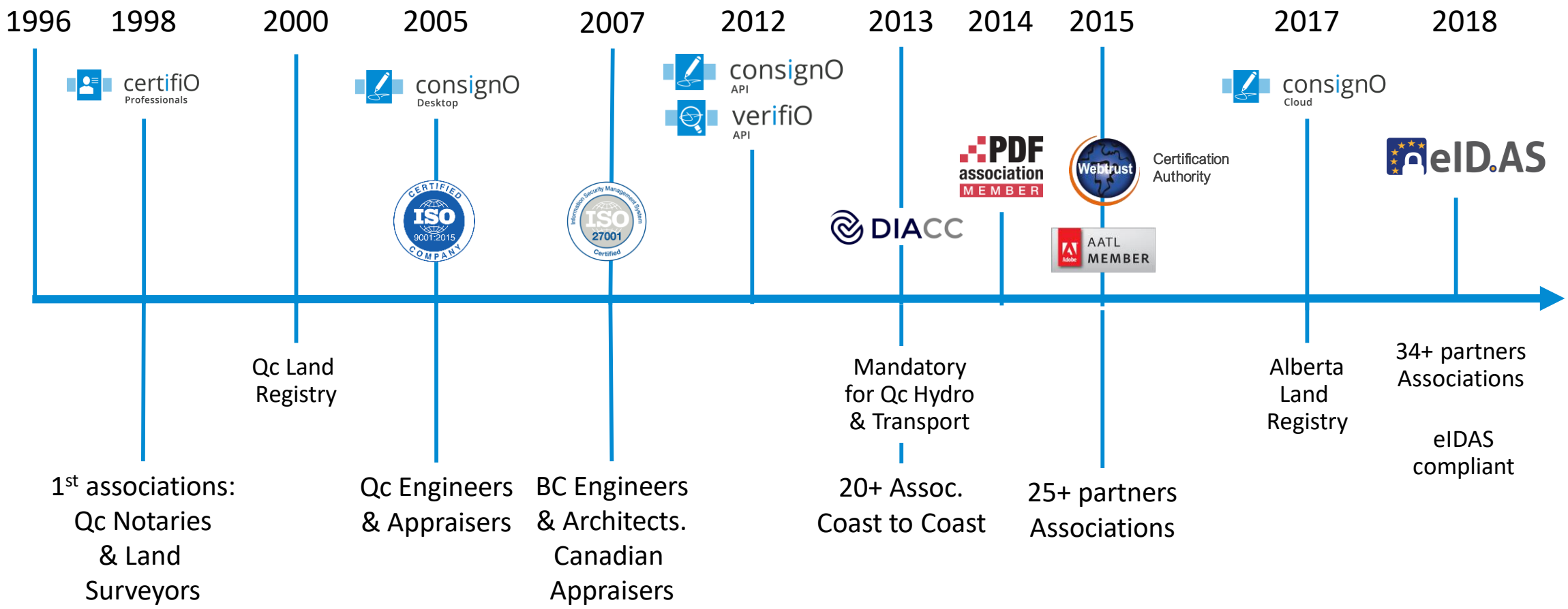
Firms that thrive in finding new ways to be efficient. precursors of a constantly evolving practice, keeping pace with technology and client's needs.

Founded in 1996

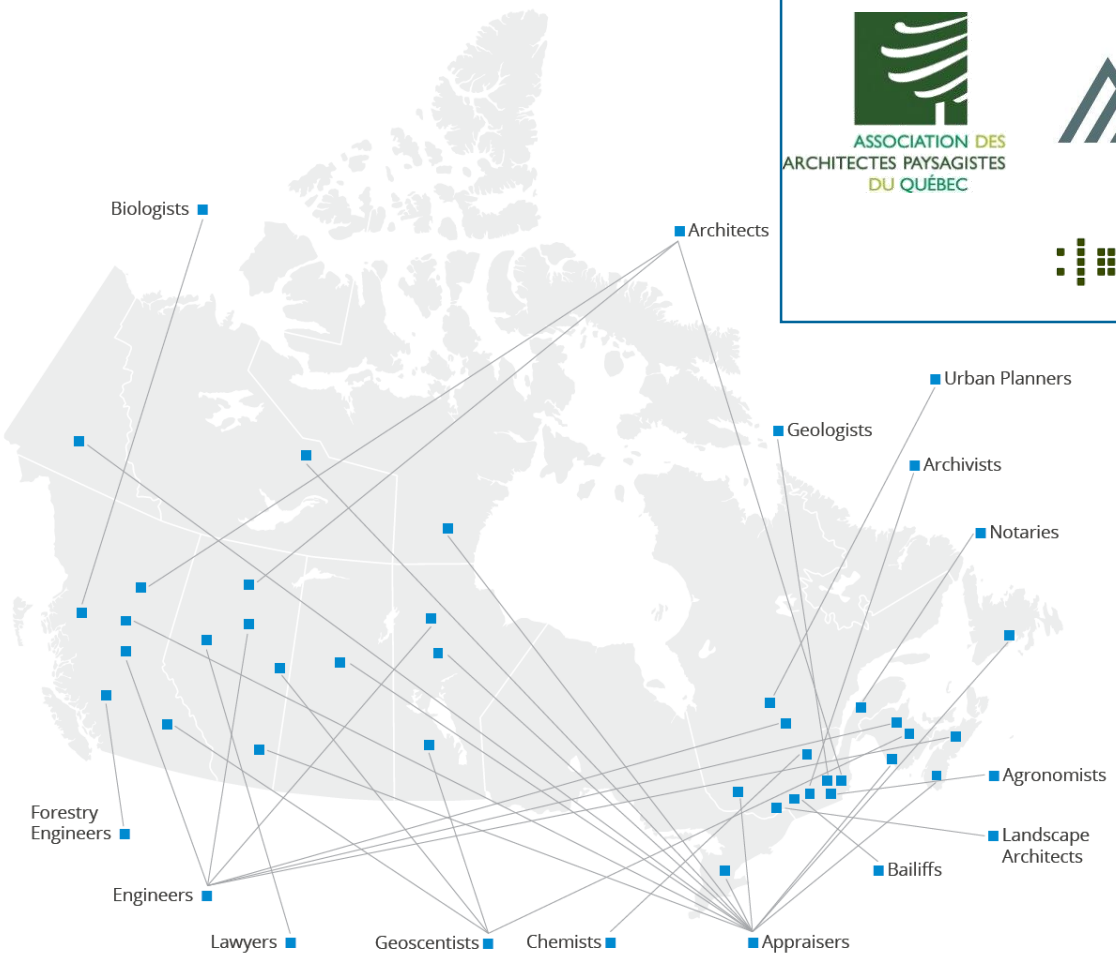
- Non-profit, turned corporate in 1998
- Certified ISO 9001 & 27001
- PDF Association & AATL Member
- Using PDF/A – ISO standard 19005
- 34 partnerships within 12 professions
- Recognized by government entities throughout the country



Our Journey


1996
1998
2000
2005
2007
2012
2013
2014
2015
2017
2018
certifiO Professionals
consignO Desktop
consignO API
verifiO API
PDF association MEMBER
Webtrust
Certification Authority
consignO Cloud
eIDAS
DIACC
AATL MEMBER
1st associations: Qc Notaries & Land Surveyors
Qc Land Registry
Qc Engineers & Appraisers
BC Engineers & Architects. Canadian Appraisers
Mandatory for Qc Hydro & Transport
20+ Assoc. Coast to Coast
25+ partners Associations
Alberta Land Registry
34+ partners Associations
eIDAS compliant

Our Partners



ASSOCIATION DES ARCHITECTES PAYSAGISTES DU QUÉBEC

MALA
MANITOBA ASSOCIATION OF LANDSCAPE ARCHITECTS

British Columbia Society of LANDSCAPE ARCHITECTS

pegnl

Engineers Yukon

Engineers NOVA SCOTIA

ASSOCIATION OF BC FOREST PROFESSIONALS

EngineersPEI

Ordre des ARPENTEURS-GÉOMÈTRES du Québec

ORDRE DES ÉVALUATEURS AGRÉÉS DU QUÉBEC

Ordre des géologues du Québec

AIBC
ARCHITECTURAL INSTITUTE OF BRITISH COLUMBIA

APEGA
The Association of Professional Engineers and Geoscientists of Alberta

Chambre des notaires

ORDRE DES CHIMISTES DU QUÉBEC

ORDRE DES ARCHITECTES DU QUÉBEC

Ordre des ingénieurs du Québec

Alberta Land Surveyors' Association

APEGS
Saskatchewan's Professional Engineers and Geoscientists

ENGINEERS & GEOSCIENTISTS BRITISH COLUMBIA

The Alberta Association of Architects
Architects and Licensed Interior Designers

ENGINEERS GEOSCIENTISTS New Brunswick

LAW SOCIETY of ALBERTA

ENGINEERS GEOSCIENTISTS MANITOBA

ASSOCIATION DES ARCHIVISTES DU QUÉBEC

ASET

Ordre des Urbanistes du Québec

ORDRE DES TECHNOLOGUES PROFESSIONNELS DU QUÉBEC

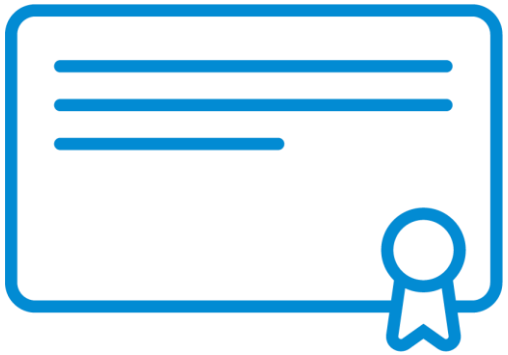
Ordre des AGRONOMES du Québec

Appraisal Institute of Canada
Institut canadien des évaluateurs

Our Solutions

certifiO

Identity



consignO

Productivity

verifiO

Validity

How much does it save?

Cost of Status Quo

Printing – Signing – Scanning is an outdated approach to document management.

- **Expensive to print**
- **Extensive manipulation to complete sealing workflow**
- **Time consuming to scan**
- **Loss of quality if scanned multiple times**
- **Gigantic file sizes rendered by scanning paper**

ROI Of Digital Transformation

Task	Paper authentication	Digital authentication
Create	$$$	$
Sign	$	$
Scan	$$$	
Shipping	$$$	$
Archive	$$$	$
Quality		
Cost	$$$	$
$$$$$$$$$$$$$$$$ (16)		**$$$$$ (5)**

On average, a signer can save over $1000 per year/per person

On average, a signer can expect to save 16 hours of work per year/per person

How much does it cost?

How to Subscribe & Pricing

	Sign Up (One-Time)	Subscription (Yearly)
certifiO Professionals	$140**	$185
	$0	$75 *
consignO Desktop	**FREE W/SUBSCRIPTION**	**FREE W/SUBSCRIPTION**

* Landscape Architects who have already subscribed to a Digital Signature which was approved in another jurisdiction or by another Professional association in the same jurisdiction
** 90 days promo at launch :40$

https://notarius.com/AALA

British Columbia Society of LANDSCAPE ARCHITECTS **https://notarius.com/BCSLA**

MALA

https://notarius.com/MALA (soon to be launched)

What’s next?

Digital Signature Suscription process

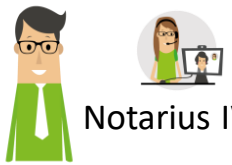
Step 1

Landscape Architect fills out subscription form
notarius.com/aala
notarius.com/bcsla
notarius.com/mala

Landscape Architect

Step 2

Landscape Architect plans Face to Face ID verification



Notarius IVA

Landscape Architect

Step 3

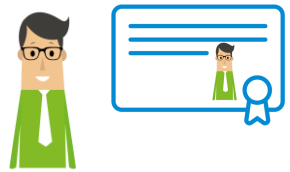
Association validates Landscape Architect credentials against the Membership Database

Association Affiliation Verification Agent (AVA)

Step 4

After Association's approval, Landscape Architect must activate *CertifiO digital signature*

certifiO



Landscape Architect

Need Help?

Notarius
Customer Care

Notarius presently services a large community of users from coast to coast. As such, our digital signature services include a variety of training tools and assistance, free of charge.

- **Documentation:** https://notarius.com/en/resources
- **Help/FAQ Section**: https://notarius.com/help
- **ConsignO Desktop Training Videos:** https://notarius.com/videos
- **ConsignO Desktop User Guide:** https://notarius.com/guide
- **Live Webinar every week**: https://notarius.com/webinars
- **Support via Email:** support@notarius.com
- **Support via Phone:** 1-855-505-7272
- **Online Chat Service. https://notarius.com**

notarius

Questions?

Nada Belhadfa
nada.belhadfa@notarius.com
1 888 588-0011, ext. 1276

Notarius