

# b-signature

SECURE MULTIPLE SIGNATURE MANAGEMENT  
SYSTEM FOR CERTIFIED DOCUMENTS



## A CERTIFIED IMMUTABLE SIGNATURE

B-Signature allows fully secure signature of certified documents on Blockchain in total safety.

### Multiple Signatures

With B-Signature multiple subjects can **co-sign** the same document, at the same time or at different times. This feature was engineered to avoid the "cascade" digital signatures that may alter the document to be signed by multiple subjects.

### Time-stamp

B-Signature **time-stamps** the document. The creation date is permanently registered on the public Blockchain and cannot be edited or removed.

### Security

The certification of the document on the Blockchain guarantees the **integrity** and **immutability** of its content over time.

### Versioning

The smart contract allows to manage the **versions** of the document ensuring the **inalterability** of the management action and the identification of the signatories for each version.

### Legal validity

The "Simplification Decree" of the Italian Parliament recognises legal validity to the Blockchain acknowledging Blockchain's "*role of temporal validator of written documents and counterpart identifier*".

B-Signature, thanks to the Ethereum public Blockchain and the use of Ethereum Smart Contract, guarantees:

- Document **integrity** certification
- **Date of creation** of the document
- Document **version**
- **Identity** certification of one or more signatories
- Safe and secure process of "*signature*" of the document

## Case study

FIVE DIFFERENT ORGANIZATIONS NEED TO CO-SIGN A PARTNERSHIP AGREEMENT TO PARTICIPATE IN A PUBLIC TENDER



### 1 | Smart Contract document

Once drafted, the document is uploaded to B-Signature and registered on the Blockchain, certifying its creation date and the content in a univocal, indelible and unchangeable way



### 2 | Identity and signature

The parties access B-Signature, identifying themselves and sign the certified document securely



### 3 | Identity and signature at different times

Three new organisations are added to the parties. The agreement is signed by the three new parties via B-Signature



### 4 | Validity Check

The tender commission checks the validity of the document and signatures via B-Signature or directly from the dedicated public Blockchain tool



## MAIN BENEFITS OF THE B-SIGNATURE PLATFORM



### **RAPIDITY OF APPLICATION**

B-Signature can be quickly adopted by any organisation or group of organisations to turn traditional work into remote work.



### **NO SET-UP COST**

A ready-to-use application provides the enabling technology. SaaS provisioning avoids investment costs and guarantees application scalability.



### **WIDE-RANGE APPLICABILITY**

B-Signature is immediately applicable to public sectors such as the national health system, the civil protection, charities, local public administrations, prefectures, police headquarters where a multiplicity of professional staff must ensure compliance with laws and regulations, without the availability of digital signature or certified email.



### **FULL WEB OR MOBILE**

The system allows easy integration with full web signature applications and with mobile applications.

## SUPPORTED BLOCKCHAIN



ETHEREUM

# NET SERVICE GROUP



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