

**Blockchain: the technology that  
facilitates processes digitization**

Digital Sureties on SIACHain

SIA is European leader in the design, creation and management of technology infrastructures and services for



Financial Institutions



Central Banks



Corporates



Public Sector

in the areas of



Card & Merchant Solutions



Digital Payment Solutions



Capital Market & Network Solutions



## SIA IN BRIEF



Founded in 1977



More than 2,300 clients served in 51 countries



2020 revenues: €748m



3,660 Group employees

<p><b>Mission</b></p>	<p>SIA's approach to DLT model aims to cover all the technical-organizational aspects useful for the operation of a critical DLT-based application solution:</p> <ul style="list-style-type: none"> <li>▪ Connectivity</li> <li>▪ Distributed HW Appliances</li> <li>▪ Software (including the DLT platform)</li> <li>▪ Management and control</li> <li>▪ Level Plain field for all the participants</li> </ul>
<p><b>Value for Users of SIAchain</b></p>	<p>Community of users of different profiles will use Blockchain/DLT in order to benefits from :</p> <ul style="list-style-type: none"> <li>▪ availability of the transaction ledger and, more generally, availability of the functions made available by the DLT platform</li> <li>▪ Integrity of the transaction ledger and of the information contained therein, intended as the technical integrity of the data</li> <li>▪ confidentiality of the information contained in the transaction ledger (where required at business level)</li> <li>▪ non-repudiation of transactions</li> <li>▪ uniqueness of transactions</li> <li>▪ authenticity and veracity of transactions, intended as correspondence of transactions to actual reality</li> </ul>
<p><b>Challenges addressed</b></p>	<p>Blockchain-based applications usually fails in addressing these features:</p> <ul style="list-style-type: none"> <li>▪ Federation of entities with different technologic readiness</li> <li>▪ Engineering of network architecture</li> <li>▪ End-to-end Service management</li> <li>▪ Technological Know -How on DLT platforms</li> <li>▪ Security and Regulatory assesment</li> </ul>

SIA's Mission has been shared during all the formal interaction with institutions



## Main characteristics



## Descriptions

- 1 Technical and functional analysts in charge of taking care of either info-request and Incident tickets reported by 10.000+ participants
- 2 Processes aimed at resolving an event that is not part of the normal operation of the Service that may possibly cause an interruption of the service or the degradation of its performance
- 3 Process which, through a clear segregation of roles and environments, ensures the management of the life cycle of the technological components, minimizing the impacts on the production environment
- 4 Notification process of reports agreed with the customer and relating to the Business Network Digital Sureties
- 5 Service modification process that implements recognized best practices in order to allow the achievement of objectives efficiently, effectively and within the pre-established timescales.
- 6 SIA manages a monitoring structure in charge of monitoring the technological infrastructures and their evolution, in order to ensure consistency of the architectures and to ensure excellence in the levels of service provided.

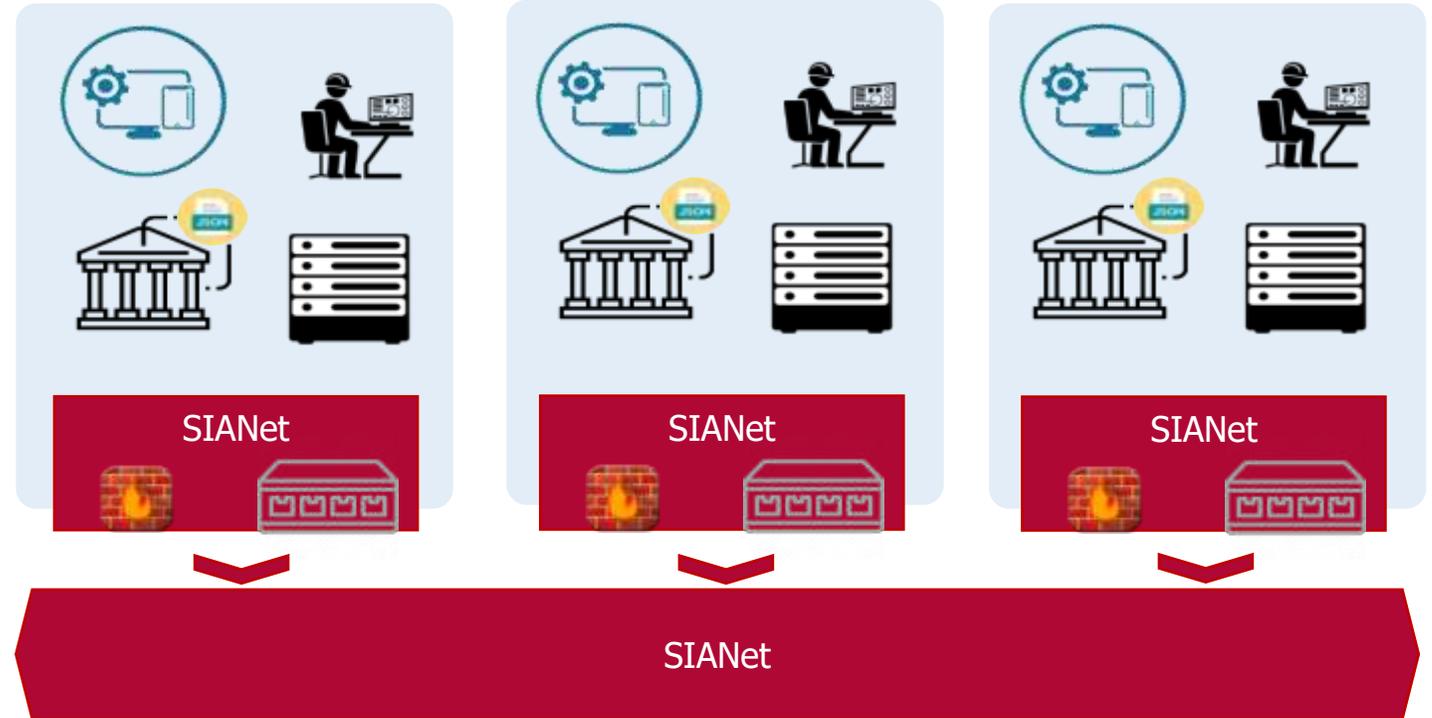
# SIChain architecture allows to solve different layers of complexity

A geographically distributed infrastructure dedicated to each back office

Based on high standards of information security

Which integrates the end-to-end management of the services that exist on it

Key figures achieved in production in 2020



- 100 Nodes covering the whole perimeter of mutual account reconciliation process
- 9 Datacenter hosting the infrastructural components with a great variety of sizes and capacities
- 24 full Mesh SIANet lines connecting each actor to their dedicated Node enhancing network's security
- +220 Million Transactions in 2020

A **surety** is an **economic guarantee** that is issued by a **Guarantor** (bank or insurance company) to insure proper performance of an activity carried out by the **Contractor** (Corporate or SME) on behalf of the **Guaranteed** (PA and corporate).

The **surety management process** currently presents some **critical issues**:



• **Paper-based** documents and workflows



**Fraud**



**Lack of standards**

### Digital Sureties Platform

The Digital Sureties Platform is an **innovative solution** able to **manage the surety** in a **completely digital process**. Digital Sureties is characterized by **high technological innovation** and process to **manage the life cycle of the surety** with a **DLT/blockchain based** solution.



The Digital Sureties project aims to **create a digital system solution** that allows to:

- **Facilitate the coordination** of different market actors;
- **reduce** the phenomenon of **fraud**;
- **dematerialize** the sureties;
- providing **certified information** to all actors in the supply chain;
- **improve the management** of the surety.



**Solution main features:**

- **End-to-end full digital process** management;
- **open system**, ensuring maximum **data privacy**;
- business tools and processes integration, **no need to replace legacy**;
- **full integration** with companies ISs in the go-to-market stage;
- **compatibility** with third-party data providers or market players' value-added services.

# Thank you

[www.sia.eu](http://www.sia.eu)

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