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### CERTVOTE ELECTRONIC VOTING SOLUTION



#### SHORT DESCRIPTION

CertVote is a secure and simple platform which allows electronic voting to take place exclusively or along with in-person voting (Electronic and/or Paper) and postal voting. As it is possible to vote simultaneously on the Internet, in person or by post, voters may access to the elections more easily and exercise their right to vote confidentially and securely. With CertVote, participations in elections can be increased and reability in polls can be ensured.



#### INNOVATIVE FEATURES

- Sensitive data stored in dedicated cryptographic hardware, non-exportable;
- m-of-n scheme for secure and reliable secret sharing between voting committee members;
- Customizable ballots logo, options, text;
- Audit logs;

- Multifactor authentication;
- Automated counting;
- Web back-office for administration and operation;
- Multilingual;
- Support and tutorials.



- Professional associations;
- Financial institutions & banks;
- Political parties;
- General assemblies;

- Governments;
- Sports clubs.













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### CIBER-SECURITY



#### SHORT DESCRIPTION

IP Telecom Cyber-security is a subscription based service that enables the costumer to have the awarness of presence of malware on his infrastructure.

The service provides a dashboard with the history of Malware events and real-time alerts of new Treaths.



- Detects any thype of malware (including Ransomware) on any device type or operating system in any location of the World;
- No hardware or software is installed on the costumer site;
- Completely passive solution;
- Detection method based on behavior analysis;
- No false positives.



- Real-time Malware detection.;
- Faster remediation based on active awareness of the Threat;
- Complementary protection for Onsite Firewall and Anti-virus products.













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### EIDAS QUALIFIED CERTIFICATES



**CYBER SECURITY** 

#### SHORT DESCRIPTION

eIDAS cetificates are advanced digital certificates provided by multicert. Multicert is the first private Portuguese Certification Authority accredited by the Portuguese National Supervisory Body (GNS) to the issuance of Qualified Digital Certificates. Multicert, issues elDAS-ready qualified certificates for persons, as well as electronic seals for companies and organizations.



#### INNOVATIVE FEATURES

- Qualified certificates eIDAS-ready;
- Qualified timestamps;
- TLS/SSL certificates;
- Code-signing certificates.

- Express issuance: qualified in certificates in less than 1 hour;
- Online registration: fill-in the web form and pay online, for your best convenience;
- User area: manage your certificates online;
- Long term validation archival.



- Digital signature;
- Authentication; Encryption;

- Trusted date/time of signature;
- Long term validation of electronic documents (> 5 years).













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### IAM



#### SHORT DESCRIPTION

IAM enables organizations to increase security when exposing sensitive applications and data regardless of whether they are hosted in Cloud or on-premises. A comprehensive and complete IdM solution that enables single sign-on, federated identity management, mobile identity and API security, auditing, entitlement and social identity integration.



helps organizations to rapidly comply with regulatory and security rules, by providing comprehensive report and auditing tools. Furthermore, IAM increases agility and reduces operational costs by extending legacy application value, reducing the helpdesk requests related with user's management.



- Manage external users (i.e. customers, partners);
- Manage internal users (i.e. employees);

- Secure externalized APIs (i.e. BYOD scenarios);
- Comply with regulatory mandates.













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### **MPKI**



#### SHORT DESCRIPTION

mPKI consist of turnkey Public Key Infrastructure solutions. Multicert develops and deliver integrated PKI solutions that include not only the technological components, but also the complete set of management, administration and operation procedures.

With these services, Multicert ensure the necessary transfer of know-how to the PKI work teams through intensive training programs and expert support throughout all the system's lifetime.



#### INNOVATIVE FEATURES

- Consultancy: requirements analysis and solution design;
- Development: customize our products to specific needs;
- Provisioning: select, scale and provide IT infrastructure of servers, HSMs, network equipment;
- Installation: configuration, installation, setup;

- Documentation: full set including policies, manuals, diagrams, procedures, forms and inventory;
- Training: hands-on, ensure the necessary know-how transfer;
- Maintenance: preventive, corrective, evolutive.



- Enterprise identity management;
- Internet of things;
- Electronic driving license;

- Electronic passport;
- National eID;
- Root CA.













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multicert



CYBER SECURITY





#### SHORT DESCRIPTION

mVault is an advanced service for information sharing and preservations. With the increasing dematerialisation of processes and documents, it was necessary to rethink the concept of "vault", by introducing the "digital" element.

Thinking about this solution not only as a pure and simple vault, but also as a secure tool, it is possible to keep information undisclosed, implement collaborative processes to work and distribute information among duly accredited and authorized users.



#### INNOVATIVE FEATURES

- Shared access control: Access to information stored in the Digital Vault is reserved exclusively to authorized parties and in accordance with the defined rules, including m-of-n rules (M authorized users from a total universe of N users, where M<N);
- Strong authentication credentials: Access to the Digital Vault requires a cryptographic token, which further increases authentication;
- Integrity: Guarantee that the information stored in the Digital Vault is certified and is not tampered with.



- Source code escrow;
- Document archive for notaries and law firms;

- Wills;
- Virtual data room.













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### PORTOLAN



#### SHORT DESCRIPTION

Portolan is a truly integrable enterprise security intelligence (ESI) platform, it is source independent, it has various correlation approaches and is proactive incident mitigation oriented. Like its homonym, first globe map ever created, Portolan helps steering an organization from danger towards success. Being leveraged by real-time and cognitive analysis engines, Portolan becomes the most full-capable cyber intelligence platform for an effective incident response. Capable of analysis focused not only in organizations but also on people, Portolan presents itself as a scalable platform that provides decision support for cyber security and cyber defense, based on OSINT, web, social networks, deep web and dark web monitoring.



### INNOVATIVE FEATURES

- Integration, Independence and Pro-activity;
- Integration with modular design allows the platform to adjust the technological evolution and adapts to various types of existing platforms and protocols;
- Source independent on heterogeneous sources (ex: Social Media, IRC Networks, Monitoring systems);
- Pro-activity with it's goal to prevent security incidents through intelligence signals interpretation.



- Abuse Channel automation ;
- locs gathering and correlation;
- Situation Awareness;
- Vulnerability exposure;
- Stream/Real-time Support;
- Advanced/Expert Event Tagging;
- Security Advisories Handling;
- Hacktivism monitoring;
- Advanced Event Correlation and Alarmistic;
- Standard Incident Taxonomy;
- Automation and prioritization of cyber intelligence distribution;
- Stream-bot;
- Web-Dashboards.







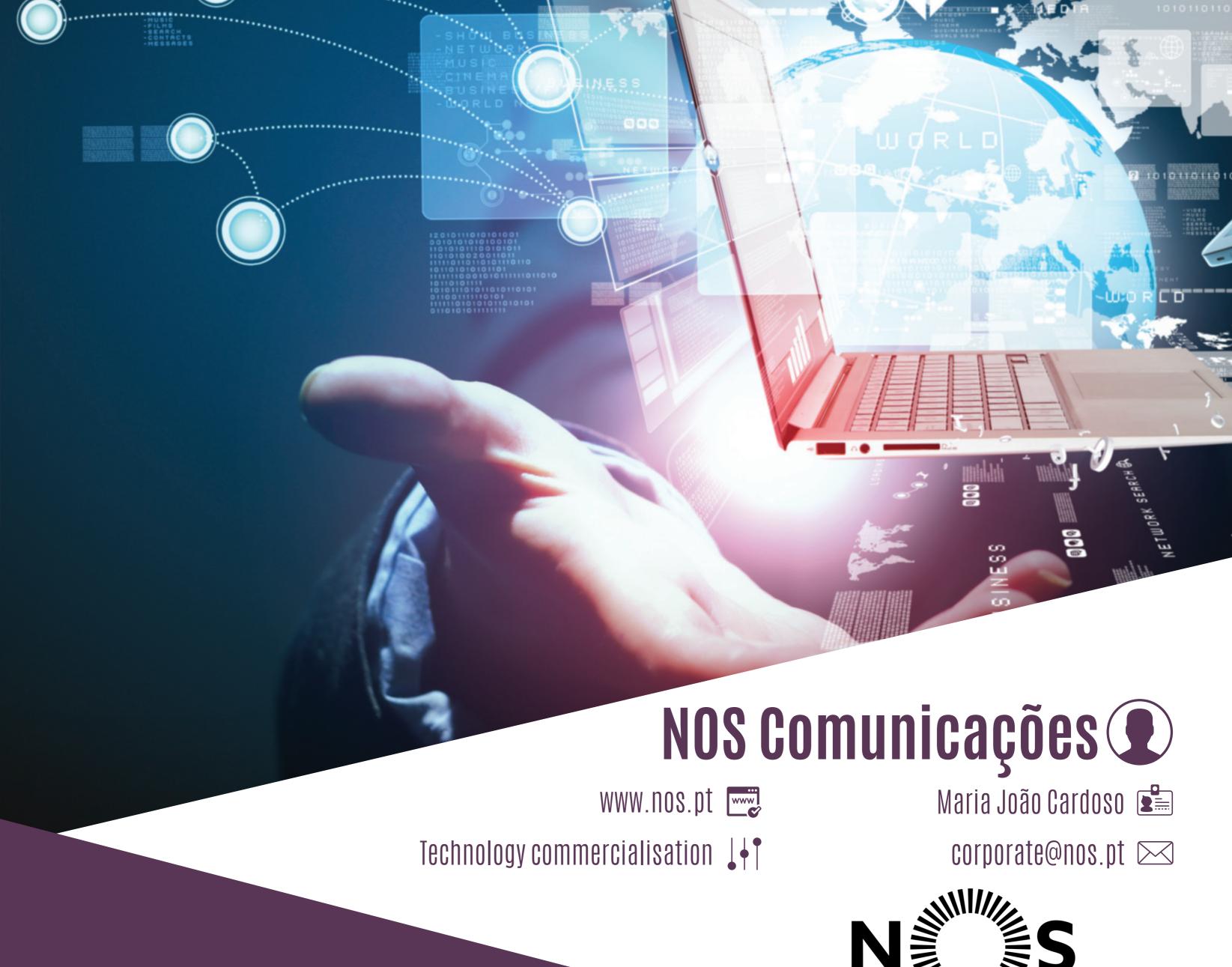






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### SECURITY SERVICES



#### SHORT DESCRIPTION

Security servicies provided by NOS allow to deliver centralized security as a service, aggregating several cyber-attack mitigation solutions and giving the Corporate client the opportunity to choose the protection it may fit their needs.



- Availability of several centralized solutions were the client may choose what fits better to their business needs and have total independence on their security management;
- Total alignment with other Telco services from NOS.



#### MAIN APPLICATIONS

NOS security services can be used in any applications which requires centralized security solutions.













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### SEGURA



#### SHORT DESCRIPTION

SEGURA is an electronic security system which allows access control, remote security management, integrated alarm management and real time events.



#### INNOVATIVE FEATURES

- SEGURA is an integrated system that combines autonomous hardware control units and a Central Management system;
- It is an end to end solution enabling scenarios ranging from the straight forward access control to complex alarm and threat detection;
- Being scalable and flexible, it is ideal for small office as well has large enterprises with hundreds of buildings.



- Infrastructure Managers;
- Hardware installers, access control operators and security professionals;
- Site Security Managers.













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### CITIBRAIN



### SHORT DESCRIPTION

Citibrain is a consortium which specialises in smart solutions for today's cities. Its main purpose is to create desirable and livable places, bringing together cities and citizens to improve metropolitan life. Creativity, knowledge and innovation are at the core of Citibrain's strategy. Today, is focused on growth initiatives - Future Internet and Smart Cities - keeping global environment and urban lifestyle in mind. The platform provides the means for convergence across different devices and connectivity management solutions, focusing on setting up and managing use cases easily and in a unified way, via cloud-based mechanisms.



#### INNOVATIVE FEATURES

- The platform focuses on Open Data formats for interoperability and on adopting M2M service standards to integrate with third-party platforms and use cases.
- This allows for cloud-oriented Big Data services to be implemented on top of existing or newly deployed smart cities.

ubiwhere



- Smart parking;
- Smart traffic management;
- Smart environmental quality;
- Smart waste and water management;
- Smart card;
- Smart vending machine;
- Smart bike sharing;
- Smart signal monitoring;
- Smart IOT network.













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### GENIO



#### SHORT DESCRIPTION

Genio is a platform for rapid development of comprehensive information systems, combining model-based development with automatic code generation in different programming languages such as MVC, Web services, HTML 5 or C#, among others.



#### INNOVATIVE FEATURES

- Genio combines technological independence, code standardization and quick delivery in multiple open technologies using a single platform.
- Based on Industry 4.0 modeling and testing concepts and on Agile Software Development methodology, it allows to build or rebuild complex applications in 1/10 of the time comparing with standard software development aproaches.



- Short time-to-market management solutions;
- Rapid Technologically Updating of Obsolete Applications;
- Highly competitive solutions getting highest quality software development with 1/10 of the resources;
- Solutions that requires permanent upgrading;
- Management solutions for unique/exclusive business issues;
- SmartSourcing services (OutSourcing software development services with 1/10 of people required).













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#### SHORT DESCRIPTION

Gyro is a native Internet of Things robotics platform for edutainment market. It fills the needs of curious minds looking for enjoyable ways to learn physical computing to interact with the physical world.

Gyro was developed by a small multi-disciplinary team of experienced professionals developing interactive technologies, building educational robots, prototyping hardware solutions and giving workshops.



#### INNOVATIVE FEATURES

- Gyro consists of a platform that combines Software and Hardware, featured to provide a technology enhanced experience of physical computing;
- The robot and all the added physical components, materialize the apps and programs of the mobile device into our physical world.

creative computing

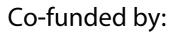


- Technology literacy platform;
- Hands on creative robotics;

- Educational robotics;
- Curious minds.













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3> OPEN SOURCE

### LINUX CAIXA MÁGICA



#### SHORT DESCRIPTION

The Linux Caixa Mágica is the most popular Portuguese Linux distribution, aiming to promote and mobilize the open source community around its useful services and applications.

It was mostly targeted to Portuguese or people who live and use Portuguese services, but it may be found interesting for others as well.



#### INNOVATIVE FEATURES

- Portuguese customisations;
- Services and applications;

- Development environments;
- Applications that are integrated with Portuguese institutions and public services.

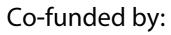


#### MAIN APPLICATIONS

This product is really meant to be very broad-purposed, but its main advantages come with the integration with Portuguese public services and applications.













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3> OPEN SOURCE



### MIDDLEWARE CC



#### SHORT DESCRIPTION

The Middleware CC (Cartão de Cidadão) allows different applications and services to be able to take advantages of the functionalities provided by the current electronic chip-based ID cards in Portugal.



#### INNOVATIVE FEATURES

This middleware is most useful for eldentity and eSignature, allowing the interconnection to the public services and the ability to perform digital signature.



#### MAIN APPLICATIONS

The applications of this product are relevant in all services which require authentication or validation of identity through a secure and trustworthy entity.













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### OST ONESTOPTRANSPORT



#### SHORT DESCRIPTION

The OST platform is a digital platform for sharing Open Data information, applications and services oriented to the mobility area. It purports, and allows, to:

- Facilitate the creation of a transport ecosystem;
- Collect static and dynamic information from partner suppliers, namely mobility operators, by using international recommended standards GTFS, GTFS-realtime, DATEX2 2.0 and POI W3C;
- Foster the development, by third parties, of applications and mobility services based on data from the platform. The platform has been successfully developed and tested in the scope of the Mobilizing TICE. Mobilidade project.



#### INNOVATIVE FEATURES

The platform consists of three different and complementary areas, which promote the establishment of a mobility ecosystem:

- The Applications Area works as a Web Store, where the applications developed by partners are available for free;
- The Partner Entities Area contains the information provided by the partners, which enables the platform usage;
- The Developers Area is intended to support the development of applications.



- Foster the availability and use of open data;
- Encourage the civil and academic communities to contribute with data and innovative and comprehensive applications / services;
- Foster the development of applications and mobility services based on data provided by third parties;
- Foster the commercialization of mobility services.













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3> OPEN SOURCE

### PRIMERCOG



#### SHORT DESCRIPTION

primerCOG is a Web-based platform with a solid scientific background, suited to the healthy ageing of seniors and to their needs for stimulation, maintenance, monitoring and rehabilitation with respect to a number of neurodegenerative pathologies that affect the elderly. It targets two user profiles: the healthy profile (cognitively healthy older adults) and the mild profile (individuals with a medical diagnosis of neurodegenerative disease, e.g. mild cognitive impairment and Alzheimer's disease) and offers a series of activities targeted at occupational health that are geared to cognitive training of the memory, attention, executive functions, language and visual-spatial ability.

primerCOG has received form the Center for Neuroscience and Cell Biology (CNC) of the University of Coimbra all the scientific support necessary to guarantee the scientific quality of the platform.



#### INNOVATIVE FEATURES

- The design and development of primerCOG have been performed by a wide team of professionals of neurosciences and experts in design, user interfaces, user experiences, information technology, behavioural analysis, analysis of experiments using IT systems, usability and accessibility.
- primerCOG sets out to be a useful tool for mental health specialists, psychologists, psychoanalysts and other professionals on applying therapeutic intervention programs for cognitive rehabilitation or maintenance.



#### MAIN APPLICATIONS

- Pilot and demonstration projects: Test primerCOG with all user groups to assess the life quality improvement after using primerCOG and the adaptability of primerCOG to different cultural and social environments;
- Pilot projects clinical validation: Assess the clinical effect of primerCOG and to provide indicators as to the efficacy of primerCOG in improving its users and in its proactive effect on cognitive decline.













**MEDIAPRIMER** 

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3> OPEN SOURCE

### PRIMERCORE



#### SHORT DESCRIPTION

The primerCORE platform supports the creation of vertical solutions adapted to the integrated management of georeferenced assets information with operational information related to processes, for several realms of activity (heritage assets, public sanitation, energy, street lighting...). These solutions can include automated processes to access information handled by third parties' systems and the installation of new remote monitoring and control systems, primerCORE is available in a single work environment that is intuitive and ergonomic, promotes integration of automatic processes, and the efficiency of management processes.

primerCORE promotes the solving of problems stemming from the proliferation of solutions: inefficient access to useful and timely information, problems accessing and sharing information and knowledge, and difficulty in using performance indicators.



#### INNOVATIVE FEATURES

- Distributed architecture based on open source solutions: relational database PostgreSQL, with the extension PostGIS, Elasticsearch and Neo4j;
- Singleandaggregatordatamodelabletosupporteffectiveintegratedmanagement;
- Single intuitive and ergonomic work environment able to access all the information.

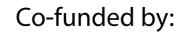
**MEDIAPRIMER** 



- primerSMART.CITIES: Integrated management of local authority information;
- primerAQUA: Integrated management of water and sanitation systems;
- primerASSETS: Integrated management of any kind of assets;
- primerPUBLIC.LIGHTING: Integrated management of municipal street lighting systems;
- primerEXTRACT: Integrated management of extraction/mining of natural products;
- primerAGRO: Integrated management of farms.













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### REMOTE MONITORING SOLUTIONS



3> OPEN SOURCE

#### SHORT DESCRIPTION

The complex technology and advanced engineering systems developed by ISA allow fuel distributors can remotely monitor the level of the tanks to avoid stock ruptures. In order to offer this customer service, ISA has hardware such as c.Log, ISA core product. c.Log is a multi-purpose autonomous remote management system that provides data logging, automatic meter and dial reading and alarm triggering, and that can operate in extreme temperature environments, even in submerged ice and abnormal freezing conditions. The data collected by c.Log is saved in a cloud server, in order to be accessible by ISA own software apps or integrated into ISA customers ERP.



#### INNOVATIVE FEATURES

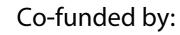
The technology incorporated on remote management equipment of ISA allows data recording, automatic meter readings and sending alarms via GSM/SMS. ISA also used the CDMA on US, which allow a number of innovative services that no other technology provides. Nowadays, ISA is exploring new technologies such as SigFox, LoRa, 4&5G. ISA product has as main features an installation in less than 5 minutes, digital inputs, configurable alarms, maintenance-free and a software integration with ERP.



- ISA products have multiple applications: a remote tank level monitoring solution that provide to ISA customers the capacity to plan their deliveries upfront, reduce the number of trips and avoid run-outs of their customers.
- ISA has also an automatic meter reading solution that provides to ISA customers the ability to detect meter fraud and at the same time reduce the overall cost of meter readings. Also, bottle banks status can be monitored by a gas cylinder solutions.













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### SAFECLOUD PHOTOS



#### SHORT DESCRIPTION

SafeCloud Photos is a powerful photography mobile application that not only allows to take beautiful photos but also guarantees that they stay private at all times.

With SafeCloud, each photo is transformed and stored in several clouds in such a way that any of those clouds, individually, is not able to access the photo. Only the user can recover the photo and actually see it. The app was developed by the R&D unit HASLab, which integrates INESC TEC, and it is part of a major European project - SafeCloud.



#### INNOVATIVE FEATURES

- It uses at least two different storage services to store photos, garanteeing that only the user can access them. The user no longer dependes only on a storage service and takes advantage of the existing services to safely store its photos;
- It will sync to the user devices automatically. Only the user devices will be able to download the photos and he can install SafeCloud photos in all of them.



#### MAIN APPLICATIONS

SafeCloud is available for free for iOS and Android and be used by anyone who values great photos and safety.













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### SOOMA BUSINESS EMAIL



3> OPEN SOURCE

#### SHORT DESCRIPTION

Sooma provides a secure cloud based email solution, provisioning a fully dressed reliable platform for companies exploring email as part of their service offering.

Solution meets critical requirements for cost, performance and management.



#### INNOVATIVE FEATURES

Enhanced security and privacy with stellar performance tailored for easy integration with email service providers systems.



#### MAIN APPLICATIONS

Ubiquitous in every company's life, European IT providers have an option to include email security and privacy in their service portfolios.











vmuse

