

cea

SECURITY OF PERSONS AND GOODS

A LARGE RANGE OF STARTUP FROM THE CEA

**ALKALEE
CONNECTING FOOD
ISORG
KALRAY
KRONO-SAFE
SNOWPACK
TRUSTINSOFT**

VIVA
TECHNOLOGY

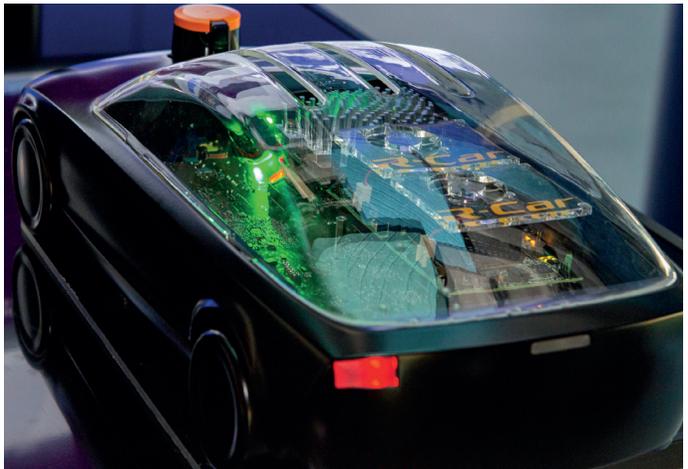
2021 Edition
E-booth

ALKALEE

Alkalee is a young French company, which inherits from 3 years of intense collaboration between Renault and the CEA-List. This company was created to facilitate and accelerate the deployment of new generations of electronic architecture, open and modular, for increasingly connected, intelligent and autonomous vehicles.

Alkalee uses innovative formal techniques to equate all of the car's features. Thanks to a modeling tool and embedded software, Alkalee provides a complete solution guaranteeing safe integration of services on a centralized computer at any time in the life cycle. It has a unique and an ultra-modular test facilities that allow you to quickly build a custom electronic platform in order to prototype your latest innovations in an environment representative of the electronics of tomorrow.

Alkalee is the enabler of next generation electronic platforms for connected and autonomous vehicles and new User Experiences to integrate our vehicles into our digital life



Contact :

Raphaël DAVID

raphael.david@alkalee.fr || contact@alkalee.fr

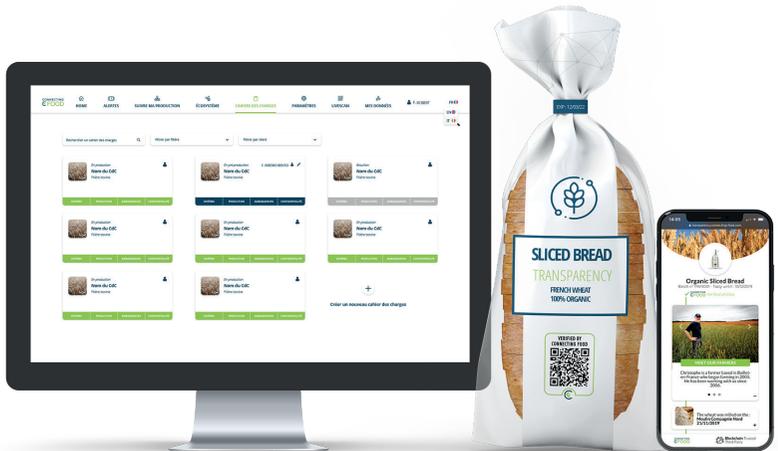
www.alkalee.fr

CONNECTING FOOD

Connecting Food is the first food transparency blockchain platform in Europe. We provide a real-time traceability solution, that gathers, tamper-proofs and analyses existing data, from existing ERPs. Our LiveAudit® module performs digital audits at every step of the supply chain, making sure the products are compliant with their requirements.

Our clients range from agricultural cooperatives to brands and retailers, that want to manage their supply chain more efficiently, and differentiate by bringing more transparency to their clients (B2B or B2C). Once their production is tracked and audited by Connecting Food, they can apply a QR code on their final products so that consumers can scan it and discover where they come from and how they were made.

Strongly committed to making food more transparent on the global level, Connecting Food aims at bringing together a community of agrifood actors that want to improve food transparency, as the first step towards more sustainability.



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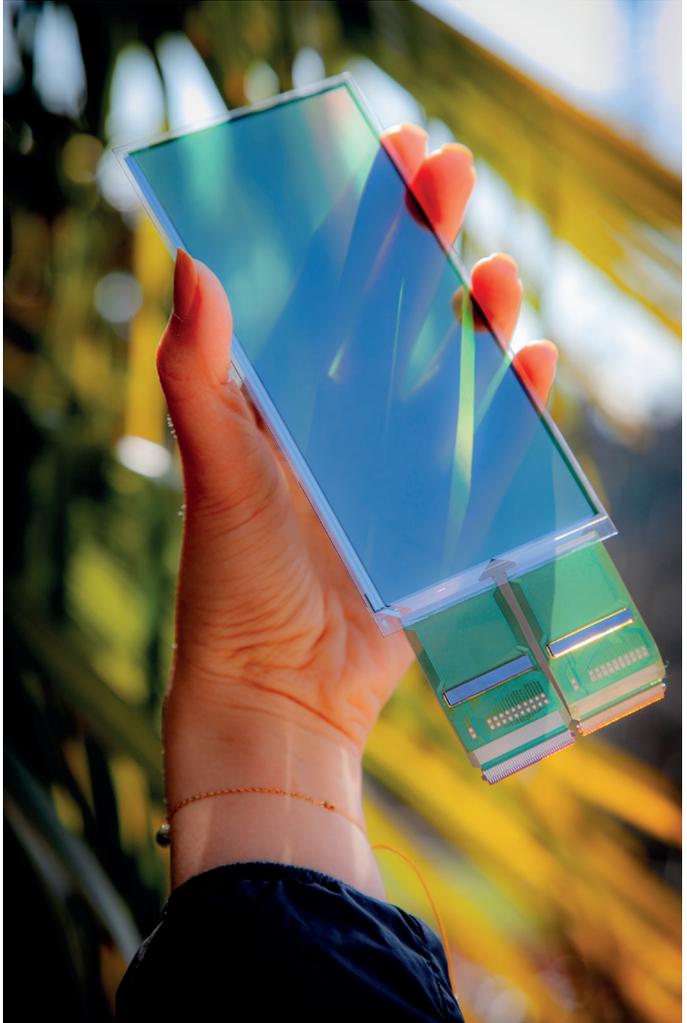
Coline LAURENT | Marketing & Communication Manager
+336 48 33 58 81

<https://connecting-food.com/en/>

ISORG

solutions for Large Area
Fingerprint Sensors

ISORG offers complete Fingerprint Sensor Solutions in two key markets. In the consumer Smartphone Market, it provides unique solutions in full display size – the first commercially available worldwide. It answers the Security & Identity Market needs with the recently received FBI Certificate.



Contact :

Nicolas BERNARDIN

nicolas.bernardin@isorg.fr

www.isorg.fr

KALRAY

Intelligent Data Processing From Cloud to Edge

Kalray (Euronext Growth Paris - FR0010722819 - ALKAL) is a fabless semiconductor company, leading provider in a new generation of processors specialized in Intelligent Data Processing from Cloud to Edge. Kalray MPPA® Intelligent Processors are able to capture and analyze on the fly massive data flows, and interact in real time with the outside world. These processors are capable of running demanding AI algorithms and simultaneously a wide set of different processing and control tasks such as intensive mathematical algorithms, signal processing, network or storage software stacks. Kalray's Intelligent Processors can be deployed in fast-growing sectors from Cloud to Edge: modern data centers, 5G telecom networks, autonomous vehicles, healthcare equipment, industry 4.0, drones and robots...

Kalray's offering includes processors, acceleration cards and a software suite, for a broad spectrum of customers such as next generation data center equipment manufacturers and service providers, system integrators and consumer product manufacturers such as car makers. Founded in 2008 as a spin-off of CEA French lab, Kalray counts among its investors: Alliance Venture (Renault-Nissan-Mitsubishi), Safran, NXP Semiconductors, CEA and Bpifrance.



Contact :

contact@kalrayinc.com

www.kalrayinc.com

<https://youtu.be/C0mkB4WVO9s>

KRONO-SAFE

Launched in 2011, KRONO-SAFE automates critical real-time application development, guaranteeing a high level of safety without sacrificing performance. With its integrated programming tool platform ASTERIOS®, KRONO-SAFE is the only company on the market offering automated, LET (Logical Execution Time) based development of critical real-time embedded applications. ASTERIOS® delivers a shorter design cycle, a high level of performance, predictable and reproducible application behavior, using safe-by-construction development mechanisms. In addition, it enables existing applications to be ported to manycore architectures and offers a number of additional features, including the hardware platform's rate of power consumption in various configurations. This patented technology is the result of fifteen years of joint R&D work with the CEA on operating safety in nuclear and automotive industries.

KRONO-SAFE's solutions are used in core industries like Aerospace, Defense, Energy, IIoT and Automotive by lead customers like Safran, Schneider and Aptiv.



Contact :

eliane.fourgeau-ext@krono-safe.com

damien.chabrol@krono-safe.com

[Mission - \(krono-safe.com\)](http://krono-safe.com)

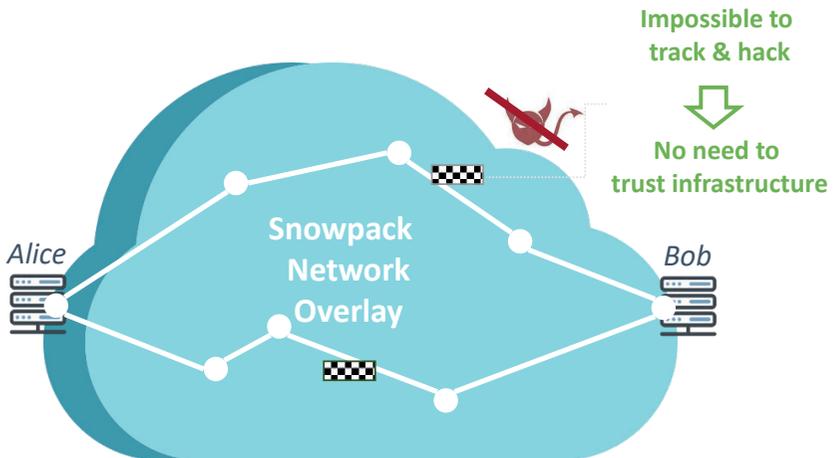
[KRONO-SAFE: Overview | LinkedIn](#)

SNOWPACK

Security layers such as technology bricks (e.g. crypto) or services (e.g. Cloudflare) exist to secure data on internet. These layers can however be compromised, giving access to the users' data for hackers and for surveillance.

Thanks to its beyond-trust approach, Snowpack transforms data transfer security : users do not need to trust anymore the digital infrastructure (hardware and software). Even if security layers are attacked, hackers (even the most skillful and powerful on the planet) cannot access any data.

With its partner altrnativ, Snowpack is deploying a beyond-trust browsing security layer. We are also developing other products: a beyond-trust VPN, a beyond-trust storage and various specific applications (CTI, banking...). Snowpack's technology is a game changer in security and privacy.



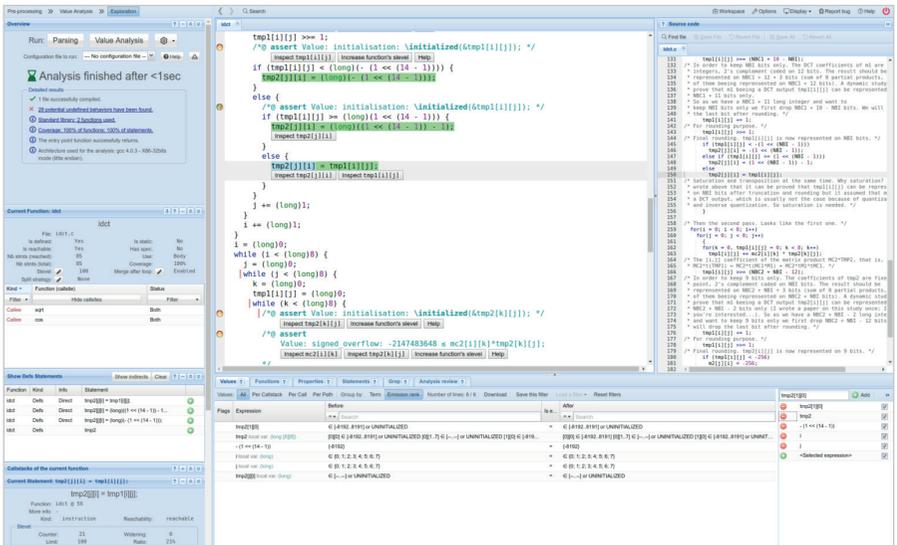
 Snowflakes moved through Snowpack Network Overlay

Contact :

contact@snowpack.eu

TRUSTINSOFT

TrustInSoft is the leading software source code analyzer able to mathematically guarantee the absence of vulnerabilities in embedded source code. It allows software developers to reduce verification & validation time and cost while delivering high quality software that is safe, secure and immune to cyber threats. The company's unique solution, TrustInSoft Analyzer, has earned the recognition of the US National Institute of Standards and Technology (NIST) as one of the first tools in the world capable of ensuring software immunity to cyber attacks and has now clients all over the world in key industries such as telecom, aerospace, industrial IoT or automotive.



Contact :
 Gabor Pop (CMO)
gabor.pop@trust-in-soft.com
<https://trust-in-soft.com/>

FOLLOW US ON

OUR SOCIAL MEDIA AND WEBSITE



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www.linkedin.com/company/cea/mycompany

The CEA logo, consisting of the lowercase letters 'cea' in white on a red square background, with a thin green horizontal line underneath the letters.

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