THE PLACE TO BE FOR ELECTRONICS

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MINALOGIC

SILICON **EUROPE**
THE LEADERS FOR *INNOVATIVE ELECTRONICS*

La Région
Auvergne-Rhône-Alpes

Minalogic is a global innovation cluster for digital technologies based in France's Auvergne-Rhône-Alpes region

The cluster supports the region's leading innovators by facilitating networking, fostering collaborative R&D, and providing companies with personalized assistance throughout all phases of business growth. The products and services developed by our members address all industries, from ICT and healthcare to energy and advanced manufacturing.

Minalogic was founded in 2005 and today boasts more than 400 members, including 350 companies. The cluster has certified 586 projects that have secured total government funding of €881 million of the €2.2 billion in total R&D spending these projects represent. The 72 projects completed to date, generated €1.6 billion in revenue. Overall, the projects have resulted in 86 products (either on the market or in the process of being prepared for market release).

Minalogic members benefit from three types of services:
- Networking: From events to targeted one-to-one introductions, Minalogic draws upon in-depth knowledge of the region's innovators to help its members grow their networks and generate business opportunities in France and internationally.
- Innovation: The cluster's personalized services are designed to help members find the resources they need to participate in collaborative R&D projects funded by French government and EU programs.
- Growth: We help our members identify and follow-up on qualified leads in France and internationally to turn business opportunities into true growth drivers.

Minalogic is a founding member of the Silicon Europe Alliance, formed of 12 ICT clusters of excellence, gathering 2500 members across all Europe.

Target markets:
- Aerospace & Defense
- Finance & Insurance
- Cities & Buildings
- Energy & Environment
- Consumer goods
- Farming & Food industry
- Industry 4.0
- Mobility & transport
- Healthcare
- Digital infrastructures
- Retail & Distribution

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GREENWAVES TECHNOLOGIES

Greenwaves Technologies provides GAP8, industry's first fully programmable IoT Application Processor which enables massive deployment of low-cost battery operated wireless edge devices for IoT applications i.e. image recognition, people and objects counting, machine health monitoring, home security, speech recognition and consumer robotics. GAP8 is uniquely optimized to execute a large spectrum of image and audio algorithms including convolution neural network inference with extreme energy efficiency.

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ID3 TECHNOLOGIES

id3 Technologies is a major player in the field of biometric systems and identity management solutions. The company is recognized worldwide in particular in fingerprint recognition technology with its match-on-card authentication algorithms. Its large expertise covers image processing applied to biometrics (fingerprint, face, iris), radio communication technologies (NFC, RFID, UHF, etc.) and embedded electronic systems. With more than 25 years of experience, id3 has an international network of customers and partners and offers its services worldwide to high-technologies companies.

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INVEST IN GRENOBLE-ALPS

Invest in Grenoble - Alps is the inward investment agency of Greater Grenoble – Grenoble Alpes Metropole.

We promote the region's assets internationally and support French and foreign companies to successfully develop their business locally. Grenoble Alps has top expertise in digital technologies, hardware, software, artificial intelligence, imaging sensors and mems, and is a fertile environment to test advanced electronics for smart city applications. Invest in Grenoble Alps works closely with industrial cluster Minalogic as well as French Tech in the Alps.

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IOTIZE

Deploy industrial systems and appliances that support local and remote configuration, monitoring and firmware updates "over the air" with maximum reuse of your original designs and with the shortest possible time-to-market!

IoTize's TapNLink and TapNPass bring instant wireless connectivity (NFC, BLE, Wi-Fi, LoRa) to industrial systems. Our solutions support immediate deployment of Graphical User Interfaces on mobile terminals and Cloud platforms. Our solutions are:
• Immediately deployable
• Fully qualified
• Adaptable
• Easy and intuitive to use
• Secure

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IRLYNX

IRLYNX develops advanced people activity sensors for the smart building market. Based on thermal infrared technologies, our sensors are anonymous by design and deliver advanced data about people activity: we can detect presence/absence, count people and get their positions and trajectories. Applications include building automation, energy savings, occupancy analytics and space management and can adapt to any kind of building, in particular in the office, retail, public institution and industrial sectors.

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PAC-G
(PLATFORM FOR ADVANCED CHARACTERISATION - GRENOBLE)
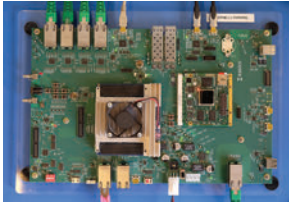## SERMA TECHNOLOGIES

SERMA TECHNOLOGIES and the Platform for Advanced Characterisation Grenoble (PAC-G) combine the unmatched capabilities of Grenoble's Large Scale facilities with the outstanding technical expertise of SERMA in a unique service offer to the microelectronics industry.
SERMA TECHNOLOGIES provides analysis, tests and consulting services for the electronics industry.
PAC-G is an innovative service platform providing access to the European Synchrotron (ESRF), the Institut Laue-Langevin (ILL), the CNRS/LPSC and CEA-Leti's Nanocharacterization Platform.
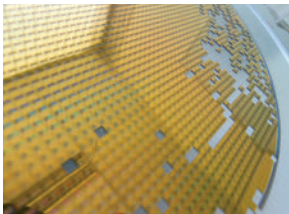
Didier PROD'HOMME
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www.serma-technologies.com

EASICS

Easics part of the DSP valley cluster is a System-On-Chip design company, targeting designs in both FPGA and digital and mixed-signal ASIC technology. Easics designs reliable, scalable, high-performance and lowpower embedded systems for leading product companies. Easics is active for more then 25 years in imaging, healthcare, industrial, space and measurement equipment markets. Easics focuses on embedded applications that benefit and rely on both Artificial Intelligence (Daedalus demo board on the picture) and classical non-AI based techniques.

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OPTIM WS

Optim Wafer Services have been offering high quality, grinding, dicing, downsizing, edge trim, edge beveling, wafer to wafer bonding, and sophisticated wafer processing services flows. As well as providing unrivalled technical support to its customers for over thirty years.

Georges PEYRE, Sales & Marketing Director
GPeyre@optimws.com
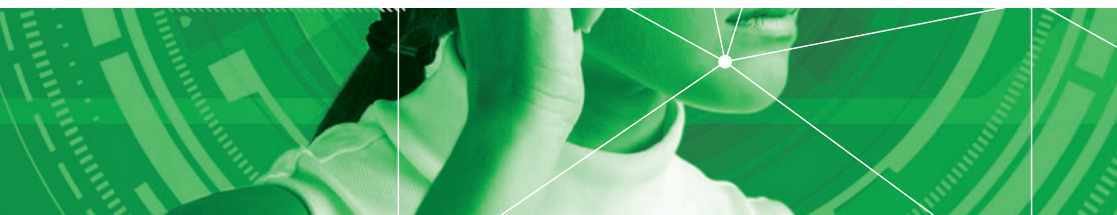**+33 6 80 84 02 02**

MINALOGIC,
ELECTRONIC ACTOR

The microelectronics industry in the Auvergne-Rhône-Alpes region and, specifically, the Greater Grenoble area, holds a special position in France and, more broadly, Europe. The area is home to actors that are leaders in their fields, one of Europe's main microelectronics clusters, and a world-leading center for research in microelectronics.

Microelectronics requires diverse know-how from a variety of fields. Therefore, a segment-by-segment approach was used for this study. The microelectronics industry can be broken down into the following segments: design; materials, gases, and services; cleanrooms; equipment; components; packaging; testing; and electronics outsourcing.

A total of 137 companies operating in the microelectronics industry were identified in Auvergne-Rhône-Alpes. The vast majority of these companies (90%) are located in the Isère district (where Grenoble is located).

- In 2013, the 137 microelectronics companies identified employed 14,440 people, representing 13,280 full-time equivalent (FTE) jobs.

- Most of these jobs (58%) were in the "components" segment. This can be explained in part by the presence of STMicroelectronics, a major employer.

- From 2013 to 2017 the number of microelectronics jobs fell 6%. During the same period, total employment at companies with the same Standard Industrial Classification code rose 7%.

Beyond microelectronics, Minalogic members are present along the entire digital value chain, from components to device, systems, IoT, and data.

COLLECT WITH DEVICES, SENSORS AND CONNECTIVITY
– MORE THAN 50 ACTORS

CONNECT WITH NETWORKS
– MORE THAN 20 ACTORS

CORRELATE WITH CLOUD/ DATA
– MORE THAN 10 ACTORS

USE DATA FOR ENERGY, HEALTHCARE, B2C, BUILDING, PEOPLE
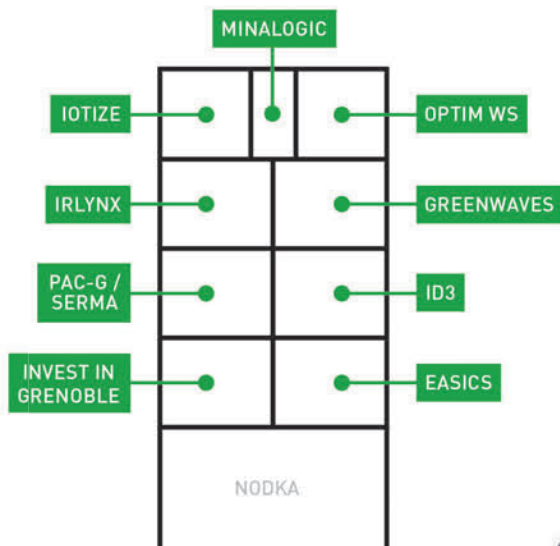### – MORE THAN 60 ACTORS

MINALOGIC MEMBERS EXHIBITING AT THEIR OWN BOOTHS:

- **ABCHIMIE** – Booth A1.560

- **EXAGAN** – Booth C3.110

- **NICOMATIC** – Booth C2.123

- **SET CORPORATION** – Booth A4.142

- **TELEDYNE E2V** – Booth C4.324

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#WeAreMinalogic