



LA  
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STRATÉGIQUE

# **ACCELERATOR OF SOVEREIGNTY**

**PRESERVING IN FRANCE  
THE ESSENTIAL STRATEGIC VALUE  
OF HIGH-POTENTIAL YOUNG COMPANIES.**

## MEMBERS OF THE ASSOCIATION

The Strategic Hub is a non-profit association governed by the French law of 1901, consisting of members who mobilize themselves in supporting high-potential strategic companies, particularly in the fields of defense and security.





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**SOVEREIGNTY.  
TECHNOLOGICAL EXCELLENCE.  
SENSITIVE INNOVATIONS.  
YOUNG STRATEGIC BUSINESSES.  
TAILOR-MADE SUPPORT.**



Awarding of trophies to the winners of the third cohort in the presence of the members.  
Paris, June 15, 2023.



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The association La Place Stratégique offers a customized support program dedicated to the sovereign development of strategic innovation for young French companies. Sovereignty is among the cardinal values of La Place Stratégique. The association's ambition is to preserve in France the essential strategic value of the companies it supports.

These companies benefit from the support of a complete ecosystem, relying on both public service resources and private French operators. Benevolence and availability characterize the environment in which successive cohorts evolve.



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## AN ASSOCIATION LED BY A TEAM WITH A BACKGROUND IN STRATEGIC AND FIELD EXPERIENCES.

### EXPERTISE DEFENSE & STATE



#### **Laurent COLLET-BILLON,**

Co-president and founder,  
engineer and senior civil servant,  
he is a pillar of the French Defense.

In the service of the state for 43  
years, he notably headed the DGA  
under 3 Presidents of the Republic.

### BUSINESS WORLD



#### **Frédéric DUPONCHEL,**

Co-president and founder,  
embarks on the entrepreneurial  
adventure in 2004.

He establishes Accuracy with his  
partners, a consulting firm that  
emphasizes unique management  
and organization.



#### **GADJENDRA SARMA,**

General Delegate.

Field and consultancy experiences.

Former Scientific Director  
of the National Gendarmerie.



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## A MULTIDISCIPLINARY, INDEPENDENT, AND BALANCED ECOSYSTEM

**A community  
dedicated to the  
growth of strategic  
businesses.**

Preserving the essential strategic value of young national businesses on our territory is the purpose of our association. This cardinal commitment is shared by all members.

### MEMBERS OF THE ASSOCIATION

Defense Innovation Agency,  
Directorate General  
of Armaments, National  
Gendarmerie, Accuracy, Alphée  
Consulting, Arianegroup, Arquus,  
Bolloré Logistics, Jeantet, Orson,  
Safran, Thales, Valeo.



### THE STRATEGIC COUNCIL

Bernard Cazeneuve,  
Laurent Collet-Billon,  
Philippe Delmas,  
Frédéric Duponchel,  
Grégoire de Saint Quentin,  
Édouard Tétreau.

### THE SPEAKERS

Coming from institutions (CNIL, BPI, CCI...), government services (Ministry of the Armed Forces, Interior and Overseas, Economy, Finance, and Industrial and Digital Sovereignty), members, and external consulting firms.



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## OFFERING YOUNG STRATEGIC BUSINESSES AN INNOVATIVE AND OPERATIONAL TAILOR-MADE SUPPORT PROGRAM.

ANNUAL COHORTS OF AROUND  
**TEN** YOUNG STRATEGIC BU-  
SINESSES.

A PACE OF **2** DAYS PER MONTH  
OVER 1 YEAR.

UNE PRÉSENCE AUX **SALONS**  
INTERNATIONAUX RÉFÉRRENTS  
DANS CE DOMAINE

A PRESENCE **WITHIN THE  
COMPANY**



**13** STATE AND INDUSTRIAL  
MEMBERS.

LARGE-SCALE **EVENTS**  
WITH NATIONAL IMPACT TO FUEL  
PUBLIC DISCUSSION.

A **STRATEGIC COUNCIL**  
OF 6 MEMBERS

**3 ALUMNI** COHORTS





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## FUELING PUBLIC DISCUSSION IN SERVICE OF SOVEREIGNTY

### METaverse

January 26, 2023



### WAR ECONOMY

April 11, 2023



### SOVEREIGNTY

September 13, 2023



### AUTONOMOUS NAVAL SYSTEMS

October 18, 2023







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## ENGAGED COHORTS OFFERING DISRUPTIVE TECHNOLOGIES

The selected young companies come from various technological backgrounds.  
All possess expertise and solutions based on disruptive technologies,  
some of which have strategic significance.

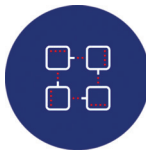
### STRATEGIC AREAS OF INTEREST



**BIG DATA**



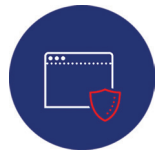
**BIO TECH**



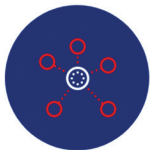
**BLOCKCHAIN**



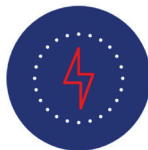
**COMMUNICATION**



**CYBER**



**DEEP TECH**



**ENERGY**



**ARTIFICIAL  
INTELLIGENCES**



**ROBOTICS**



**MEDICAL**



**MATERIALS**



**STRATEGIC  
RESOURCES**



**PROTECTION AND  
SECURITY**



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## YOUNG STRATEGIC COMPANIES 1ST - 2ND COHORTS

algodone

AMIRAL  
TECHNOLOGIES

cailabs  
SHAPING THE LIGHT

delfox  
PREDICTIVE TECHNOLOGIES

H<sub>2</sub>X  
ECOSYSTEMS

iNBOLT

LUCINE

oledcomm

Olvid

PARSEC  
Trust the cloud

PRELIGENIS

QUANDELA

rNEST

S2P  
SMART PLASTIC PRODUCTS

SCALINX  
NEW ART OF SIGNAL CONVERSION

SQUADRONE  
SYSTEM

TERNWAVES



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## YOUNG STRATEGIC COMPANIES 3RD COHORT

 **BLACKLEAF**

 **Geeglee**

  
**HINFAC**

 **MyDataModels**

 **naarea**

  
N u k k A I

  
**oledcomm**

 **Oudjat**

 **PANGOLIN**  
D E F E N S E

  
**PARSEC**  
*Trust the cloud*

  
**WHISPEAK**  
VOICE & LANGUAGE SOLUTIONS



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## YOUNG STRATEGIC COMPANIES 4TH COHORT



**mecaware**  
eco-cycling for better future





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## COHORT 2021-2022



Founded by Jean-François MORIZUR, Guillaume LABROILLE, and Nicolas TREPS, CAILABS is the world leader in shaping light. The company designs optical components for telecommunications, industrial lasers, free-space communications, and local area networks. The technological solutions manipulate the shape of light and find practical applications in communication networks, aerospace, space, and the naval and automotive industries



Founded and led by Stéphane PAUL, H2X ECOSYSTEMS creates hydrogen production systems using renewable energy. The company focuses its developments on hydrogen production with electrolyzers, the production of a solar/hydrogen hybrid car with a composite chassis, as well as supply-chain solutions for all economic actors in a region.



Founded by Rudy COHEN, Louis DUMAS, and Albane Dersy, INBOLT develops a 3D vision tracking technology for industrial applications, enabling real-time quality control of processes (tightening, drilling, riveting, etc.). Inbolt provides reliability and traceability, allowing its clients to gain competitiveness.



Founded by Maryne COTTY-ESLOUS, LUCINE revolutionizes digital therapy. Digital Therapeutics (DTx) provides patients with software-driven therapeutic solutions to prevent, manage, or treat a wide range of symptoms and pathologies of the central nervous system.



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A spin-off from C2N (CNRS laboratory where the President of the Republic announced the Quantum Plan), QUANDELA was founded by Valérian Giesz, Pascale Senellart, and Niccolo Somaschi. It brings together a team of experts specialized in the fabrication of single-photon sources. This technology is a potential foundation for future quantum computers and secure communication networks. It is at the heart of several technological disruptions, from the development of new materials to solving problems that were previously unreachable by the best current supercomputers.



Founded and led by Philippe CHARLOT, RNEST develops a robot replicating human behavior on the web. It is controlled by a French-designed artificial intelligence to navigate independently across the entire web. The company aims to become the European leader in professional web research, providing a sovereign digital solution.



Led by Maël MOGUEDET, S2P (Smart Plastic Products) supports its clients in the development and mass production of intelligent plastic products. As a French leader in Plastronics, S2P miniaturizes electronic systems by integrating electronic functions directly onto complex 3D plastic parts. This unique expertise delivers unparalleled performance to markets such as aerospace, railway, industry, medical, and luxury.



Founded by Hussein FAKHOURY and specialized in integrated circuit design, SCALINX develops a new generation of customizable analog-to-digital converters tailored to the demands and needs of customers. Through an architectural approach that makes these components more compact and less energy-consuming, the company targets specific markets and segments where performance and space optimization are crucial (medical imaging, aerospace, defense, and high-end electronic systems in general). The promising startup has already secured €10.5M in funding to deploy its chips in the RADAR and 5G markets, preparing for international expansion.



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SQUADRON  
SYSTEM 

Founded and led by Antoine LEVEL (CEO), SQUADRON SYSTEM designs and manufactures customized professional drones in France for complex use cases in all types of environments (indoor and outdoor up to 4,800 meters altitude). The designed drones incorporate artificial intelligence solutions that enable professional clients to enhance their operations (security, task automation, productivity gains) and offer innovative solutions to their end-users.

 TERNWAVES

Founded by Julie Duclercq, Jean-Xavier Canonici, and Bruno Jechoux, TERNWAVES has invented and developed a groundbreaking technology for the connectivity of terrestrial and satellite IoT networks (LEO/MEO/GEO satellites). This fundamental technology solves the capacity limitation issue of these networks, crucial for the rapidly growing IoT market, while ensuring maximum range and very low power consumption. For Defense applications, the technology offers unique features of stealth, security, and jamming resistance.





## COHORT 2022-2023

BLACKLEAF, a spin-off of CNRS Strasbourg, was founded by Yannick LAFUE, Housseinou BA, and Cuong PHAM-HUU with the objective of turning graphene into an easily accessible 'commodity' material for the entire industry. Thanks to its exceptional properties, graphene is not only a strategic input for innovation and competitiveness but also an ideal candidate to support the ecological transition and decarbonization of our industry and society. BLACKLEAF's differentiators include a unique ability to produce:

### BLACKLEAF

- 1) High-performance graphene at the most competitive prices through a 100% ecological production process using 98% water. (This process is mastered by only 2 or 3 companies worldwide).
- 2) Semi-finished products whose performance is enhanced by graphene (lubricants, heat transfer fluids, etc.).  
100% graphene films on all substrates and geometries to create new applications in domestic heating, aerospace or wind defrosting, thermal dissipation, sliding, and electrical conductivity.
- 3) As the French leader in graphene, BLACKLEAF currently has a production capacity of one ton per month and plans to increase this capacity tenfold within 18 months to become one of the top 5 global players in the graphene industry.

**GEEGLEE** supports upstream decision-making processes through its two Augmented Human Intelligence software: Geeglee Pattern (GEP) and Geeglee Intelligence (GEI). This technology not only allows for the capitalization of companies' business expertise but also analyzes a large number of KPIs: from risks to all critical performances for each architecture and configuration, anticipating the entire product/service life cycle. Geeglee offers two advantages: 1) a framework to capitalize on and automate expertise, making it reusable, and 2) no optimization solver but unconstrained exploration providing the best design compromises. All based on YOUR expertise.





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Since its creation in 2018, HINFACT has invested > 2M€ to develop a disruptive technology, the Knowledge Dataplace. This technology is a means to transpose, reproduce, and monetize any expertise in any field of application. HINFACT has decided to apply this technology initially in the aerospace sector by integrating expertise in Neuroscience/Human Factors, pilot performance measurement, and regulatory compliance management. Today, the HINSIGHT software suite helps the industry improve flight safety and recurrent pilot training, targeting aircraft manufacturers, airlines, and training centers.



**MYDATAMODELS** has developed a proprietary and patented artificial intelligence technology that efficiently addresses small data sets: ZGP. The predictive models generated by this technology are also transparent and interpretable. Extremely lightweight, they can be embedded in all types of sensors. Founded in 2018 in Sophia Antipolis and with around thirty employees, MyDataModels has established a strategic partnership with the Thales Group since being accelerated by the industrial group in the second cohort of AI@Centech. Several projects are underway, such as BlueGuard, presented in December 2021 off the coast of Nice Côte d'Azur International Airport. MyDataModels won the «response to operational needs» award at the last edition of Euronaval / SEAnnovation 2022.



N u k k A I

**NukkAI** is a pioneering startup in next-generation Artificial Intelligence: collaborative, explainable, and energy-efficient. NukkAI's AI made headlines on March 25 and 26, 2022 by achieving a world-first victory against 8 world champions in Bridge, a game known to be extremely challenging for machines and considered a new frontier in AI. NukkAI is currently successfully deploying its planning and heterogeneous data fusion algorithms in several verticals: aerospace, logistics, defense, and security.



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**OLED COMM** is a French company, originating from the Paris-Saclay University, and a pioneer in optical wireless communication. With over 15 years of research and development and 33 filed patents, we provide high-speed, ultra-secure optical wireless connectivity solutions, allowing the replacement of cables in environments where radio waves are undesirable. Undetectable, jamming-resistant, non-interceptable, and enabling rapid deployment, our solutions offer numerous advantages for both multi-user communication systems integrated into a network and point-to-point connectivity within a system. Currently undergoing ANSSI certification, supported by the Defense Innovation Agency and CNES, we now offer a range of standardized products tailored to the needs and requirements of the defense, space, and industrial sectors.



Founded in 2021 by Jean-Marc André, OUDJA develops a patient health assessment system designed to facilitate and expedite the work of healthcare professionals. The Oudja system is based on contactless collection of essential vital signs (temperature, cardiac and respiratory parameters, blood pressure, oxygen saturation) through multiphysical sensors. It also includes patient characterization and examination contextualization, as well as application-specific questionnaires allowing healthcare professionals to reliably document their health assessment and associated decisions effortlessly. The Oudja system provides healthcare professionals with significant gains in efficiency, safety, and comfort. For patients, it offers comfort due to the non-invasive and rapid nature of the examination.



**PANGOLIN DEFENSE** founded by Benjamin Delcourt, Clément Saglio, Quentin du Réau, and Omar Abdelhamid, designs and manufactures innovative ballistic protection solutions. Pangolin develops breakthrough vehicle protection with new materials that significantly reduce the mass of armor. Leveraging these skills, Pangolin engineers have developed a comprehensive range of personal protection, including flexible ballistic plates for high-level protection. Pangolin aspires to become the leader in ballistic protection innovation.



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Founded by Thierry and Emmanuel Leblond, **PARSEC** is the first Open Source solution, certified by ANSSI, that allows sharing sensitive data in 'Zero Trust' and 'Zero Knowledge' modes in private or public clouds while remaining very user-friendly. Parsec is a winner of the call for projects on innovative cybersecurity technologies as part of the national cybersecurity strategy and is currently being deployed in the French Administration.



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## PROMOTION 2023-2024



ARMTEK

A digital platform providing access to enriched and structured operational knowledge, enabling immediate mastery of a complex system. Content construction is achieved by selecting blocks offered by the platform (audio, videos, photos, etc.). Our R&D roadmap includes the integration of several AIs (automatic transformation of documentation into content, empowerment of content-based process creation, assisted knowledge collection).



Buster.AI

Buster.AI is your digital shield against misleading, toxic content, and fake news that threaten the security of your business and its finances. With our award-winning, advanced AI-powered SaaS platform, we protect businesses and governments from misinformation by verifying the integrity of all content and enabling preventive actions before damage occurs. Buster.AI is your partner for analyzing viral trends, identifying toxic content, receiving real-time alerts only when necessary, and automating countermeasures.



Cold Pad is an engineering company that offers bonded anchor technologies in place of welding or drilling. Our composite fastenings facilitate assembly, maintenance, and equipment upgrades, increasing their availability. As a member of the French Tech and with our 30 patents, we are the only accepted bonded anchor in Nuclear Power Plants. We have already installed over 2000 anchors on ships and offshore structures in marine conditions, as well as 200 anchors in Nuclear Power Plants as part of stress corrosion cracking projects. Our technology is particularly suitable for armored and floating equipment, allowing the installation of equipment without altering the armor of vehicles and the hulls of ships. Our anchors can be installed in workshops, during operations, and in any environment.



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Firecell provides private 5G network solutions that are as simple and affordable as WiFi. Our end-to-end solutions include hardware and software and can be deployed on industrial sites, in the cloud, or as standalone solutions (tactical bubbles, deployables).



« Geoflex is an operator of new GNSS augmentation services (GPS, GLONASS, GALILEO, and BEIDOU) available worldwide, on land, at sea, and in the air up to 25,000 km in altitude. These services enable absolute 3D positioning with precision up to 4 cm, in real-time and post-processing, while increasing integrity, availability, as well as resilience to jamming and spoofing.»



Kwan-tek is a company specializing in metrology solutions using quantum diamond sensors, the result of over 20 years of international research. These innovative technologies meet the needs of non-destructive testing on metallic materials in key sectors such as energy, nuclear, aerospace, and naval. Recognized for its national strategic importance, the technology also finds applications in defense and biomedical diagnostics. In four years, Kwan-tek has acquired a unique position with its high-tech products, supported by a dozen patents and a specialized team.



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**mecaware**  
eco-cycling for better future

MECAWARE is an industrial company focused on the production of critical metals through the recycling of technological waste using a disruptive and virtuous chemical process. We produce lithium, cobalt, nickel, and manganese in the form of carbonates or metallic hydroxides. MECAWARE is currently positioned in the recycling of batteries and production scrap from battery manufacturing plants (Gigafactories). Our metal salts are in a quality and form that make them compatible for reintroduction into the battery sector to supply alloy preparers with electrode materials. This contributes to the industrial sovereignty of regions and the energy transition with a concrete circular economy solution.



Founded by Jean-Luc ALEXANDRE and Ivan GAVRILOFF, NAAREA designs and develops micro-generators of decarbonized energy with molten salts and fast neutrons, the size of a maritime container, which can be deployed close to industrial consumers worldwide. The innovative technology is based on a molten salt reactor that produces energy from used nuclear fuels (4th generation). It allows for the production of safe, abundant, controllable, decarbonized, and decentralized energy, at a cost lower than that of coal or other fossil fuels. By changing the paradigm, NAAREA aims to offer our societies energy that is both sustainable, safe, and accessible to all, which will contribute to achieving the 17 Sustainable Development Goals set in 2015 during COP21. NAAREA is pursuing an ambitious and realistic development plan, thanks to a unique partnership ecosystem centered around the French nuclear excellence hub, aiming for industrial deployment by the end of the decade to make a significant impact in the fight against climate change and the achievement of carbon neutrality goals by 2050.





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Sintermat is an industrial startup specializing in the design of innovative materials, stemming from 20 years of research on powder metallurgy at the University of Burgundy. Its clients range from small and medium-sized enterprises to large corporations, operating in various sectors (luxury, industrial tooling, aerospace, security/defense, cosmetic packaging, etc.). Sintermat designs augmented materials with unprecedented properties and exceptional performance (high strength, high density, improved hardness, extended lifespan, lightweight, unique design, etc.). By industrializing its innovative process based on powder metallurgy, the Flash/SPS (Spark Plasma Sintering) sintering process, Sintermat provides its clients with an innovative solution at both the process and product levels.



SPIX industry offers an innovative Intelligent Voice Assistance solution for production, maintenance, and field service operators. The introduction of voice at the workstation is a major innovation that contributes to the ongoing industrial transformation towards Industry 4.0. A multimodal interface, natural language dialogue, use of multimedia (photos, video, 3D), intelligent assistance for form collection, diagnostic support, and decision-making aid: SPIX industry's Spix.SKILLS transmit and gather relevant information during each operation, leaving operators' hands free and their eyes focused on ensuring the proper completion of their tasks. SPIX industry is an innovative company founded in 2013 by three visionary founders. Today, it is a team of around twenty passionate individuals working with major industrial players in the defense, automotive, energy, aerospace, and construction sectors.



Whispeak is the French specialist in voice biometrics. Identifying phone calls, authenticating a voice command, recognizing a customer calling the call center, or managing access: the use cases for voice biometrics are numerous (there are microphones everywhere!) and are possible through the deployment of the Whispeak solution in SaaS, on Premise, or 100% embedded.



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