



mobigo in
action

MOBIGOIN-ACTION NETWORK

**European smart mobility solutions,
products and competences ready
for international market**

This booklet presents 45 European solutions, products and competences available for the Smart Mobility and Automotive markets worldwide

Companies within the MobiGoIn-Action Network aims to contribute to a sustainable, smart and safe mobility in metropolitan areas, achieved through the implementation of solutions and systems for intelligent and cooperative transport, intermodal and sustainable mobility for the citizens, and sustainable urban freight logistics of start-ups, micro, small and medium companies.

This network is a result of "Mobility Goes International - in Action" - A project running from January 2018 to December 2019, and part of the European Strategic Cluster partnership - Going international (ESCP-4I).

The project European four clusters:

- Fondazione Torino Wireless (Italy)
- bwcon (Germany)
- Media Evolution Southern Sweden AB (Sweden)
- Mov'eo (France)

Each company is categorized by competences and solutions - you find an index in the end.

Solutions and competences within the MobiGoIn Network:

- On-board solutions and platforms for vehicles
- Autonomous Driving related solutions
- Electric Vehicles and related solutions
- MaaS, mobility management, smart parking, etc
- Logistics, fleet management
- Products, accessories for driving
- Solutions for vehicles and the automotive industry

Learn more about the project and network at:

<https://www.mobigo.in>

This project is co-funded by
the COSME Programme
of the European Union



THE COMPANIES

from the MobiGoIn Network



The future of the mobility industry depends on the ability to compete through innovation and internationalization, it requires that actors work together in a collaborative way, using skills from the whole ecosystem. Thus, the objective of the 4 Clusters within the MobiGoIn-Action European Strategic Partnership is to provide and maintain an open innovation ecosystem for their start-ups and SMEs and other European SMEs in order to increase their competitiveness when approaching, in a collaborative way, the global market.

The MobiGoIn Network is composed by 45 European companies working on smart mobility. During the past 2 years they took part in a journey towards new geographical markets. Their offering, competences and expertise go from solutions for Automotive (such as on-board solutions and platforms for vehicles, Autonomous Driving, Electric Vehicles and related solutions) and accessories for drivers to solutions for the Smart cities (i.e. MaaS, mobility management, smart parking, etc.) and logistics (fleet management, last-mile optimization). Consult this booklet to get to know these wonderful companies that are going international.



France

Atsukè Cloud Ticketing Platform is a multi channel (SMS, app, chatbot, IoT), multi device and multi modal platform, which is used for all types of mobility services: public transportation, electric vehicle charging, self-service cars, bike sharing, or parking. It makes possible to everyone, anywhere, and with any device, to get a ticket in seconds.

Atsukè's mobile ticketing technology is a convenient and inclusive solution for the users and the communities. It improves users experience, encouraging public transportation use. For transport operators, it permits a significant fraud drop, a better service speed, and additional revenues (progressive end of paper ticket and).

Competitive advantage:

- Simple and efficient technology
- Does not need the use of hardware (cloud technology)
- Does not need an adapted smartphone, with NFC technologies for instance (universal)
- Does not conduct to smartphone dependence (any device)

Target customer:

- Governmental and public administrations
- Municipalities
- Transportation operators

www.atsuke.com/ticketing/

Contact **Valentin Varin**,
valentin.varin@atsuke.com



France

AVAIRX is a strategic consulting firm specialized in the avantgarde planning and implementation of emerging, non-conventional and innovative transport systems. AVAIRX advises the transport ecosystem throughout its value chain to better apprehend emerging systems and prepare their future integration. Nurtured since 2012 thanks to the breakthrough VIPAIR-e EV ride-hailing Lab, developing premium services designed with BMWi, our expert consultants are specialized in complex and disruptive projects, providing unique knowledge and methodology to address opportunity studies, new value propositions, platformization and innovative business models implementation. AVAIRX advice for early planning and best valuation of future transport and mobility solutions, whether on land, in the air or at sea.

Competitive advantage:

- AVAIRX track record counts, for instance, the set-up of an On-demand, shared, personalized electric vehicles platform designed to experiment autonomous systems, in a suburban area, with cybersecure MaaS APIs
- AVAIRX approach is founded on use-case and customer-centric design, bridging beta-testers communities with future transport disrupters

Target customer:

- Sustainable airport areas, smart territories and harbors
- OEMs
- Tier-One suppliers
- Start-ups and governments
- Mobility System Developers
- TNCs
- Transport operators and regulatory authorities
- Investors and VCs trust us to enter the learning curve and innovate faster

www.s4bd.de

Contact **Manuel Chaufrein** CEO and Founder,
manuel.chaufrein@avaix.com



Romania

Driver performance assistant hardware and software solutions that provide constant and consistent real-time feedback to drivers.

CANbus Services for Android is a Cango component that runs in the background of the driver's telematics device without any user interaction or interface, except the one for configuring it. The service runs with a higher priority than inactive or invisible activities and therefore it is less likely that the Android system terminates them for resource management.

Using CANGO CANbus Service allows the device to act like a firewall, which is necessary to safeguard against hazards caused by interference with vehicle computer systems. Based on this service, other applications like taxi apps, car sharing apps and public transportation optimisation can be developed.

Competitive advantage:

- Technologies and services awarded by Frost & Sullivan
- Online & on-site technical support and training
- Customization
- Easy to use & integrate API that delivers data to your applications
- Free update and new vehicle implementation
- Flexibility, control and transferability of licenses

Target customer:

- Big players in the automotive and smart city markets
- Governmental and public administrations
- Municipalities
- System-integrator

www.cango.ro

Contact **Bianca Barbu**,
bianca.barbu@cango.ro



France

Clem turns every charging point into a smart mobility station to develop innovative shared mobility services locally. Clem develops a clean mobility complementary to public transports and committed to energy transition.

Based on an integrated platform, the Clem application offers to itsour customers electric car sharing, charging management and, car- pooling, as well as other specialized mobility services for each community they serve.

Competitive advantage:

- A mature technology development with an advanced user experience
- Backstage service and management provided to improve the whole service
- A platform for other technological and energetic solutions

Target customer:

- Big players in the automotive and smart city markets
- Citizens

www.clem-e.com / <https://cn.clem-e.com/>

Contact **Bruno Flinois**,
bruno.flinois@clem-e.com



Romania

KNOT builds automated kick scooter rental system for cities, campuses and businesses. Lighter, easier, and more practical than a shared bicycle system – scooters are sidewalk-friendly, extremely compact and very portable. They also provide electric and dockless solutions. The scooters feature built-in GPS and smart lock technology that integrates with existing racks.

Competitive advantage:

- Product created and designed for the intensive urban use
- Robust, comfortable
- We can make our scooters electric, but the main version is non-electrical, meaning less pollution related to the battery use and much more secure for pedestrians

Target customer:

- Governmental and public administrations/municipalities
- Big players in the automotive and smart city markets
- System-integrators
- Citizens
- Working on B2B2C or B2B2G market

www.knot.city

Contact **Polina Mikhaylova**,
hello@knot.city



France

A new generation of connected motorcycle helmets.

Brake spot light for more visibility. Calling system in case of accident. Voice control to activate your GPS or your phone. No need to take the phone, so it's possible to stay focused on the road. All options are connected for a safer driving experience.

Competitive advantage:

- Cheaper than the competitors
- All solutions in one device
- Many business models
- KSH can work with the city mobility project like sharing mopeds or sharing scooters to study the consumer behavior and encourage the user to use the helmets to reduce accidents
- In the future, this solution can connect with the smart city

Target customer:

- Big players in the automotive and smart city markets
- Citizens

www.kosmos-helmets.com

Contact **Kevin Ravi**,
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Italy

Startup Park Smart have created a city parking detector that can indicate the availability of parking lots in monitored areas in real time. The software uses video cameras, even those already existing in the territory for security reason, to process the images through a simple-to-install embedded solution. Not only does the system help drivers find the closest parking spot, it also helps parking management companies to monitor their spaces more efficiently.

Competitive advantage:

- Advanced video analysis that allows the automatic detection of specific events and measures on the road
- Powerful embedded system
- Privacy protected system that doesn't record or send the images/video anywhere

Target customer:

- Governmental and public administrations/municipalities
- Big players in the automotive and smart city markets
- System-integrators

www.parksmart.it

Contact **Pierluigi Buttiglieri**,
pierluigi.buttiglieri@parksmart.it



Germany

Waste management solution that works with sensors and automated alert systems. Standard Development Smart Technology responds to the actual problems that more and more cities and businesses confronts to and helps them to achieve better efficiency. Our platform is thought to be a viable solution in various domains, like: environmental metering, waste management, smart parking and noise level monitoring. All these domains are in our attention and affect most of our personal lives on a profound level, that is why our solutions are very important nowadays. The solutions are very easy to use and to implement on any communication protocol; they use. Lora WAN protocol, considering the power level, but they can also use GPRS and WIFI. The platform was created as an answer to the actual problems that big cities face, therefore the solutions can be integrated all together, as a full package, or as a single one (waste, noise, parking) in the dedicated segment.

Competitive advantage:

- The platform is thought to be a useful answer for the actual problems what big cities and companies confronts to, that is why the solutions can be applied separately, or as a complete package
- The platform is customizable, sends real time information and brings the exact business solutions and results our partners need

Target customer:

- Big players in the automotive and smart city markets
- Governmental and public administrations/municipalities
- System-integrator

www.s4bd.de

Contact **Stingu Cristian**,
c.stingu@s4bd.com



France

3D simulator for Real-Time and Hardware-In-the-Loop simulations to be used on real vehicles.

www.4d-virtualiz.com

Contact, Florian Roche
florian.roche@4d-virtualiz.com



Sweden

Smart parking system (sensors+app) for renting and sharing of parking spots between organizations, individuals and companies.

www.apparkingspot.com

Contact, Sasa Farkas
sasa@apparkingspot.com

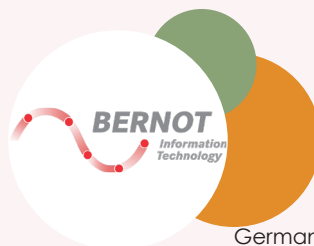


Germany

Electric light weight vehicle, zero emission mobility, smart mobility, smart energy management in favour of a more sustainable traffic.

www.attrack.de & www.attrack-mobility.de

Contact, Ulrich Schiefer
ulrich.schiefer@attrack.de

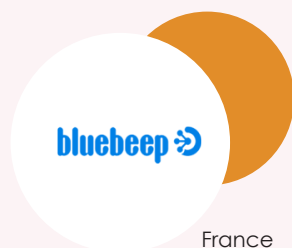


Germany

Out & Indoor positioning solution based on embedded systems. Optimised and distributed mobility management system.

www.bernot.net

Contact, Gerhard Bernot
mobicube1@bernot.net



France

Connected baby-seats for cars with alarm system.

www.blue-beep.com

Contact,
osf@osf.fr



Italy

AI technology development for electric autonomous driving vehicle testing through cameras and neural networks. HMI interfaces and IoT solutions

www.bylogix.it

Contact, Pasquale Marasco
pasquale.marasco@bylogix.it

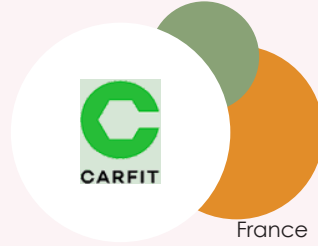


Netherlands

IoT platform (in-house developed hardware, software and connectivity) to solve transportation & logistics use cases (i.e. oil quality monitoring).

<https://capte.co>

Contact, Sergey Vladimirov
sergey@capte.co



France

Analysis of car vibrations to predict maintenance needs for the auto industry players through connected sensors and AI. Predictive maintenance solution.

www.car.fit

Contact, Steve Goyet
steve.goyet@car.fit



Luxembourg

Service platform allowing any mobile app or connected car to activate any fuel pump and manage the payment from inside the car.

www.carpay-diem.com

Contact, Fred Stiennon
fred@carpay-diem.com



France

Connected brake light that makes motorcyclists more visible and safer on the road (LEDs, sensors, software) + App.

www.cosmoconnected.com

Contact, Guillaume
guillaume@cosmoconnected.com



France

Working synapse: creative process where experts bring together the right solutions at the right time and at the right level of expertise to improve the development of mobility solutions.

www.dems.fr

Contact, Christophe Hugué
christophe.huge@groupe-dems.fr



Ireland

Sensor for fuel use tracking in real time (plugs into vehicle on-board diagnostics (OBD), connects to low powered wide area network).

www.energyelephant.com/

Contact, Eoin Ó Fearghail
eoin@energyelephant.com



Spain

Batteries able to charge cars quickly for emergency moments (6 min charging).

www.epowerbox.co

Contact, Eugenio Clavijo
eugenioclavijo@gmail.com



France

Electronic platform for autonomous driving and ADAS. Telecommunication control unit for sharing sensors data. Open innovation autonomous vehicle HW/SW testing platform.

www.faar-industry.com

Contact, Randolph Toom
randolph.toom@faar-industry.com



Spain

Electrivity is a marketplace, where users of electric cars can access to a network of charging points attached to the platform. charging points can be from private people, private companies or public.

www.icomunity.io

Contact, Miguel Ángel Perez
maperez@icomunity.io



Italy

Vehicle digital assistant (infotainment, navigation, vehicle functions, driver profile, etc.) through voice controls. Autonomous small vehicle for delivery services.

www.lifetouch.it

Contact, Patrizio Spaggiari
patrizio.spaggiari@lifetouch.it



France

Intermodal platform gathering both public and private essential transportation means for daily commuting: AI, UX, geo-predictive algorithms.

www.mobeelity.io

Contact, www.linkedin.com/company/mobeelity



France

Car-sharing solution for corporate fleet vehicles (on-board computer, booking platform, back-office SW).

www.mobilitytechgreen.com/

Contact, Alexandre Fournier
afournier@mobilitytechgreen.com



Italy

Machine learning technology to estimate a variable of interest, making use of the experimental data available on the vehicle.

www.modelway.it/

Contact, Mario Milanese
mario.milanese@modelway.it



France

Patented carbon coated silicon nanopowder for batteries.

www.nanomakers.fr

Contact, Yuyang Miao
ymiao@nanomakers.fr



Italy

Suite of SW solutions for MaaS (mobile and web applications designed for users, transport agencies, inspectors and sellers).

www.openmove.com/it/

Contact,
info@openmove.com



Italy

Cloud based system that manages booking, access and payments of a marketplace for parking.

www.parkk.it/

Contact, Alessandro Cerroni
a.cerroni@parkk.it



Sweden

Location Knowledge Management (LKM) platform for controlling location data across the digital universe of maps, apps, search engines, voice assistants, and other intelligent services that drive consumer discovery, decision, and action.
www.pinmeto.com

Contact, Daniel Melkersson
daniel@pinmeto.com

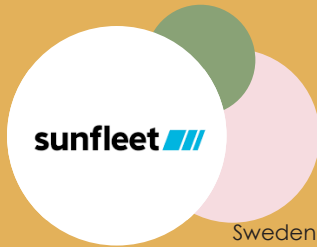


Germany

e-bike with solar cells incorporated in the frame and wheels.

www.rool-in.com/

Contact, Antoine d'Acremont
ada@rool-in.com

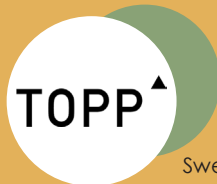


Sweden

Connection of smart mobility solutions (i.e. carsharing, bike rental and public transportations) in new real estate developments

www.sunfleet.com/

Contact, Vanessa Svensson
vanessa.svensson@sunfleet.com



Sweden

Noodl Labs: mix software + services B2B offering targeting disruptive product development in complex conditions. Platform to prototype, test, and develop services. Using recorded or real time data we enable innovative design and use-cases from existing and new data sets.

www.topp.se

Contact, Anders Larsson
anders@topp.se



France

Modelling and prototyping for project validation: design, ergonomics, functioning and materials.

www.tryame.com/en/

Contact, Jean-Christophe Morato
jcmorato@tryame.com

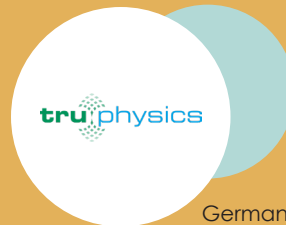


Italy

Solution fully integrated to use the data in different way to improve safety and information to the driver. The solution is scalable and will be apply in a small piece of road or in a big national road network with different level of service that will be done in the different country and will be easy integrated with all the devices present on the market.

www.tecnositaf.com

Contact, Giuseppe Celiagnano
giuseppe.celiagnano@tecnositaf.it

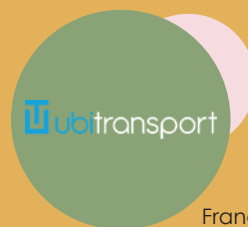


Germany

AI Control backup software platform for autonomous driving assistance in cases of unknown situations.

www.truphysics.com

Contact, Albert Groz
Groz@truphysics.com



France

Developer-integrator of digital intelligent systems (CAD/AVL, fare collection and real-time information) for fixed route, demand-response, commuter bus and school transportation.

www.ubitransport.com

Contact, Nathalie Azoulay
n.azoulay@ubitransport.com



Sweden

Security company whose mission is to create a secure environment for those who expose their personal identities specifically in provide access controls, payments and personalization identity services. uConekt's goal supports its vision by working to provide multi factor authentication (MFA) solutions using biometrics on tamper-resistant hardware devices so businesses can protect the personal identities of their customers with all the benefits of seamless frictionless transactions.

www.uConekt.com

Contact, Vincent Ramoutar
vramoutar@uConekt.com



France

Grid-tied bidirectional power supply designed for smart grid (V2G, V2H) applications. Typical applications include EVSEs (Electric Vehicle Supply Equipment systems) and ESS (Energy Storage System).

www.wattandwell.com

Contact, Raul Iglesias
raul.iglesias@wattandwell.com



France/USA

Intelligent Vehicle Health Monitoring: Reinventing the Check Engine Light.

www.xmotion.io/

Contact, Thurston Adams
thurston@xmotion.io



France

Flexible ink technology with very high conductivity suitable for membrane switches, 3D printing, plastronic, IOT, sensors.

www.vfp-ink-technologies.com/

Contact, Djaballah Ibtissem
ldjaballah@vfp-ink.com



France

Fault predictive systems that would report to driver, garage and manufacturer if trend leading to problem is detected so that every stakeholder could plan and undertake their most rational actions.

www.whmonitoring.com

Contact, Edgar Grant
edgar@whmonitoring.com

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mobigo in action

MobiGoln-Action Consortium aims to promote and enhance collaborations among European Smart Mobility SMEs working on complementary innovative solutions, developing competitiveness and pursuing a cross-sectorial approach, and to support concrete potential technological and business partnerships and opportunities in the two targeted World Regions 1. USA-Canada and 2. China-Singapore, through an acceleration program and International missions.

This tips and tricks document was developed in the hopes that it will help European SMEs and other organisations interested in approaching the markets of China and Singapore.

For more information please visit www.mobigo.in
and contact us at theteam@mobigo.in

MobiGoln-Action European Strategic Cluster Partnership (ESCP) is composed by 4 European Clusters:



TORINO WIRELESS (Coordinator)

- Innovation and technological Cluster focused on ICT and Smart Cities and Communities.
- Network of 1000+ companies within ICT, around 100 SMEs with experience in the Mobility solutions.



bwcon

- Technological Cluster focused on ICT: automotive and mechanical engineering, aimed at stimulating innovation and strengthening competitiveness in Baden-Württemberg's region.
- Network of 600+ members, mostly SMEs.



MOV'EO

- Mobility R&D competitiveness cluster.
- 350 members, from which circa 180 SMEs.



Media Evolution

- Media cluster and member organization that works to strengthen innovation and growth within southern Sweden's media industries.
- Around 350 of its members are SMEs.

