





THE FUTURE OF CONNECTED MOBILITY

At NNG, we bring some of the most gifted automotive designers, software engineers, and thinkers together to create an environment which enables innovation, and fosters the development of ideas, concepts, and products that help drive the automotive industry forward.

Our mission is to deliver the automotive technologies that will support you on your journey to an autonomous, connected, and electric future. We do this by creating smart, secure, and connected mobility solutions, designed for use-cases from the cockpit to the cloud.

As a trusted partner, we work with you to deliver the future of connected mobility.

📍 INTRODUCTION

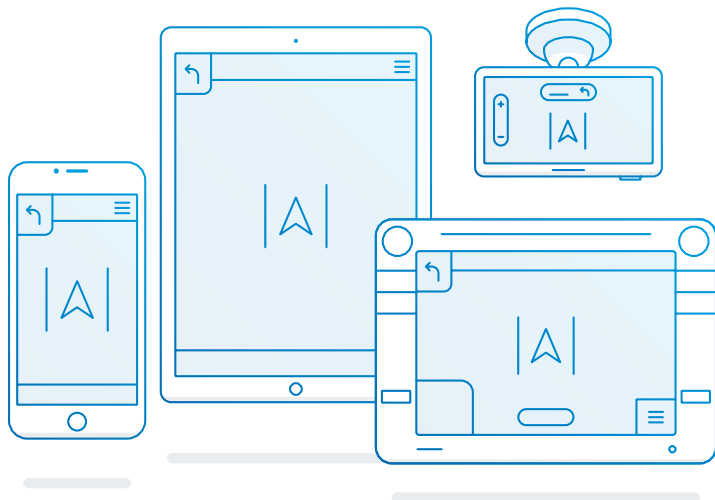


WHO WE ARE

Since revolutionizing driving with the introduction of iGO Navigation in 2006, NNG has grown from a purely navigation-focused company to an automotive software supplier with deep expertise in embedded systems.

Our extensive standardization and regulatory involvement, combined with over 15 years of navigation integration experience, allows us to help you find the best tailored solution for your needs.

With over 60 million units already shipped, more than 150 satisfied partners, and content and services aggregated from over 60 providers worldwide, we are a proven leader in developing automotive software solutions – delivered locally by a workforce present in offices and representative branches around the world.



AUTOMOTIVE SOFTWARE SOLUTIONS

Ⓐ LOCATION BASED SERVICES

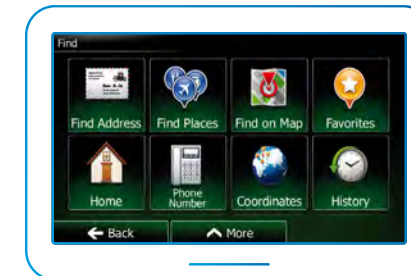
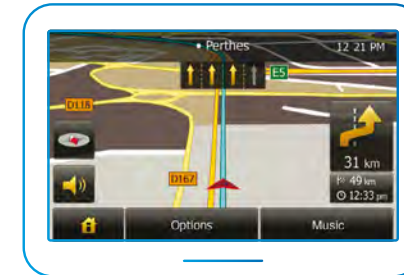
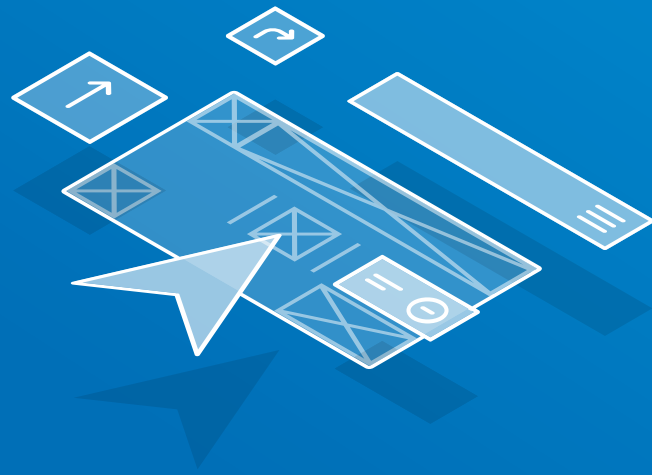
Ⓔ CYBER SECURITY



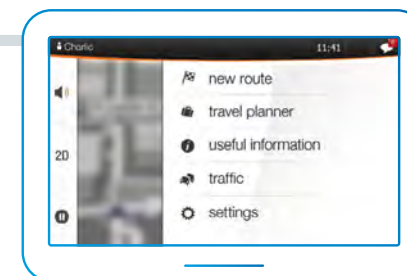
WORKING WITH US

We seek partners, not just projects. We align our product roadmap and drive for innovation with a vision set on the future – a future that blends our own industry insight with that of our partners.

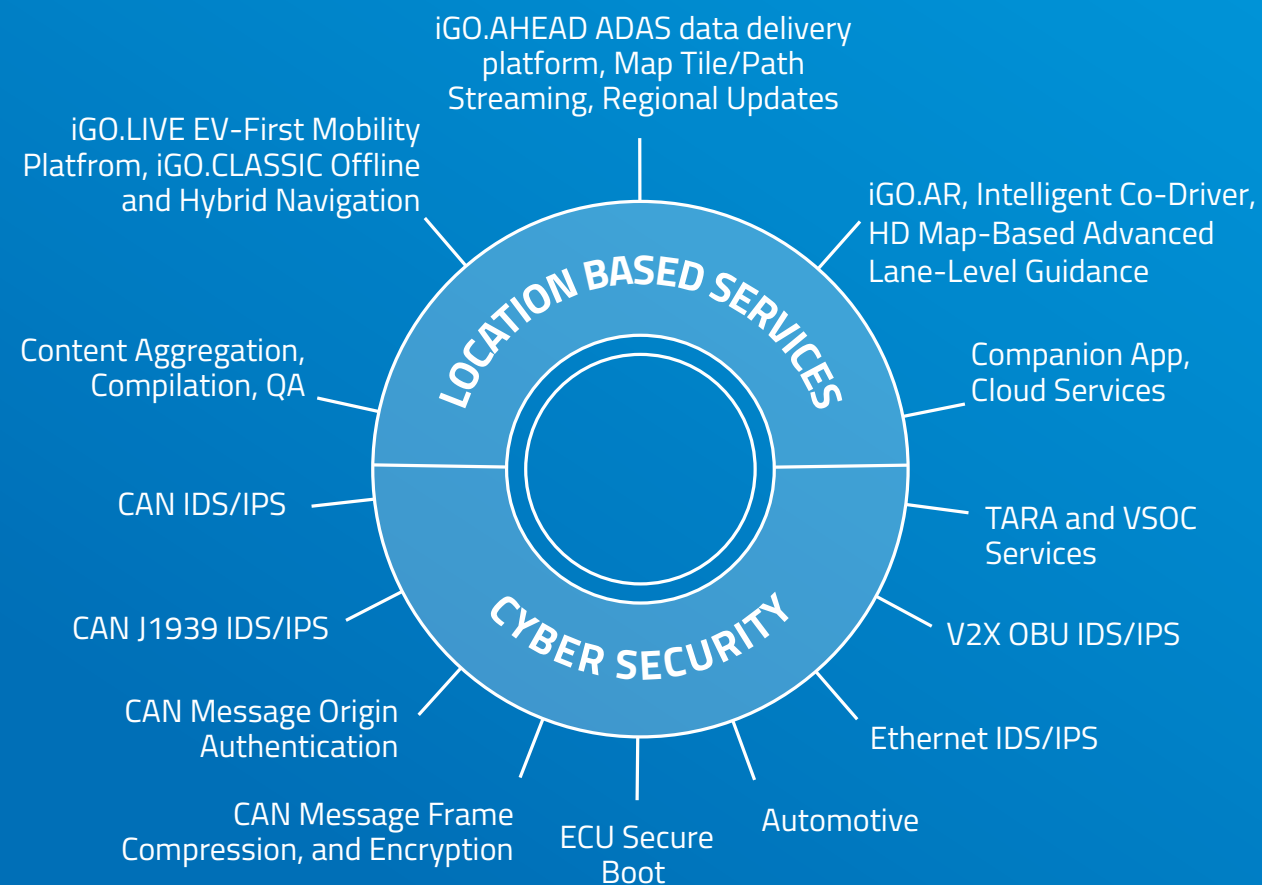
We help our partners create solutions that will provide the vital advantage they need to stay ahead of their competition – offering white-label solutions, custom-built to deliver the best possible product for their customers.



INDIVIDUAL SKINS
FOR **FRESH** AND
LOCALIZED UIs



WHAT WE DO 



DEFINING THE STANDARD

LOCATION BASED SERVICES

From Classic iGO Navigation to the latest modular mobility solutions supported by lightweight APIs: NNG's white label platform and flexible UI enables the fast and efficient customization of our solutions. Innovations in ADASIS electronic horizon generation, and applications enhanced with cloud streaming services, allow our partners to maximize the driving experience of their customers. With over 50 supported localization languages – and map data, content, and services from more than 60 vendors – we can deliver a truly global solution for partners around the world.

PROFESSIONAL SERVICES

We pride ourselves on being able to guide our partners through the complete product development lifecycle across all our product portfolios. We can provide services ranging from conceptualization and prototyping, through to testing, validation and production. Drawing on experience gained from over 100 delivered projects and the broad knowledge base we share across our market segments, we can help our partners overcome the complex challenges that integrating multiple solutions can impose.

CYBERSECURITY

Modern, ubiquitous connectivity makes vehicles vulnerable to cyber-attack. A successful breach can result in extreme consequences, not just for passengers but also for automakers. Award-winning and independently tested, Arilou, part of NNG Group, is a pioneer of cybersecurity solutions for the automotive industry, and was the first to introduce CAN (**Sentinel-CAN**, **Sentinel-TRK**) and automotive Ethernet (**Sentinel-ETH**) in-vehicle network security.

LOCATION BASED SERVICES



- **Hybrid Solutions:** Provide a combination of services, enabling companion applications to perform end-to-end navigation in concert with the head unit, and move compute-intensive tasks to the cloud to ease scaling and updates.



- **iGO Navigation:** Choose from custom embedded solutions (iGO.Classic) or a cloud-based, modular mobility platform (iGO.Live) with lightweight APIs for easy customization. Build and manage your HMI/UI development in-house, or work with our experts to customize our mobility solutions. White-label: discard unnecessary features, select only the components you need to define your brand.



- **Connected Services:** NNG continues to expand its connected services portfolio with regional and global providers in all traditional areas. We provide highly integrated solutions for on- and off-street parking, road safety, and road weather information, making driving safer and more convenient.



- **iGO.AR Advanced Lane Guidance:** Optimized guidance-timing and lane-change suggestions dramatically reduce driver cognitive load, improving road safety. Utilizes onboard data to leverage OEM investment in HD maps and sensors. For cost-sensitive use-cases SD maps can be enriched with an HD map-based lane-layer.



- **iGO.AHEAD:** The ADAS data delivery platform utilizes enriched map data to enable advanced driver assistance features, increasing driver safety and drive chain efficiency. Cloud-based, cache-able map tile and/or path streaming ensures optimized, contextual delivery of the the freshest map data, for both on- and off-line use cases.

 **A NEW DRIVING EXPERIENCE**





MARKET SEGMENTS

INTEGRATED AUTOMOTIVE SOLUTIONS

As the global leader in white label navigation solutions and developer of the award-winning iGO Navigation Engine, we deliver proven and reliable solutions for automotive line-fit, dealer-fit, and aftermarket segments, as well as fully integrated solutions for hybrid and electric vehicles.

Our global, scalable, and single-technology platform – coupled with our extensive localization efforts – has earned us the trust of the largest Tier-1 suppliers and OEMs on every continent.

WIRELESS AND PND

We have optimized smartphone and tablet navigation with an easy-to-use and fresh interface and have developed a diverse range of mobile features that leverage the fast Internet connection provided by these devices. With a proven track record of delivering extremely stable and versatile solutions which run reliably, even with modest hardware.

12 out of the top 15 automakers

USE OUR SOLUTIONS

MARKETS SERVED

ARILOU CYBERSECURITY

Part of NNG Group

Modern, ubiquitous connectivity makes vehicles vulnerable to cyber-attack. A successful breach can result in extreme consequences, not just for passengers but also for automakers.

SENTINEL SERIES PRODUCTS

Intrusion Detection and optional Prevention for In-Vehicle Networks



SENTINEL-ETH

Intrusion Detection and Prevention for Automotive Ethernet



SENTINEL-CAN

Intrusion Detection and Prevention for Controller Area Networks



SENTINEL-TRK

Intrusion Detection and Prevention for Heavy-Duty Vehicles (SAE J1939)



SENTINEL-V2X

Intrusion Detection and Prevention for Connected and Automated Vehicles



SENTINEL-PHY

CAN Message Origin Authentication

RELATED SOLUTIONS



ARILOU SECURE BOOT

Secure-Boot Safeguard for Automotive ECUs



CANPRESS

CAN Message Frame Compression

Arilou is a cybersecurity market leader operating since 2012 and was acquired by NNG in 2016.

Learn more about Arilou's cybersecurity solutions at ariloutech.com.

WHAT WE DO



GLOBALLY LOCAL

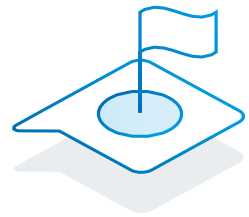
As a fully independent company that aggregates content worldwide, we stay ahead of competitors by developing global solutions that have an extensive set of region/country specific features for true localization.

We work together with the best map, content, and service providers to create cutting-edge solutions for our partners, including in the challenging China, Japan and Korea regions. We can offer a range of options to help you select the best content and features for any project.

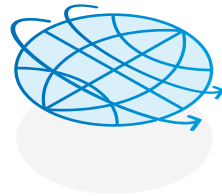


WHY NNG?

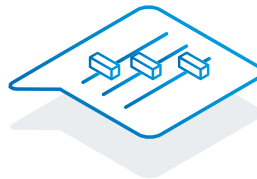
The most influential Tier-1s and OEMs in the world trust us and rely on our products.



Independent



Global



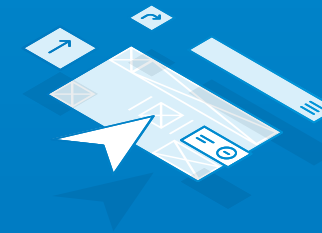
Flexible



Support for all OS & HW options



Maintenance and updates that reflect the lifecycle of the vehicle



Unique mix of solutions enabling autonomous vehicles, EVs and future connected ecosystems

 **A NEW DRIVING EXPERIENCE**

PARTNERS INCLUDE



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