

Dutch sustainable and smart mobility companies

Autonomy Mobility World Expo, 20-21 March 2024, Paris

**Fast
Forward**

NL

Pays-Bas

Introduction

In this booklet, we are pleased to present you companies from the Netherlands in sustainable and smart mobility. These companies will showcase their solutions and services in the Netherlands Pavilion during the Autonomy Mobility World Expo (AMWE) on 20 and 21 March 2024 in Paris.

The Netherlands Lounge is organized by the Embassy of the Kingdom of the Netherlands in Paris and the Netherlands Enterprise Agency (RVO), in close cooperation with the Netherlands Business Support Office (NBSO) Lyon, the Dutch Cycling Embassy, Amsterdam Trade & Innovate, Rotterdam Partners and ROM Utrecht Region.

Let's accelerate sustainable and smart mobility together and make transport safe, emission-free, affordable, and accessible for all of us.

You are more than welcome to meet the sustainable mobility delegation from the Netherlands at booth D9 (Hall 6).

More information?

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Abel Sensors

Abel Sensors develops and delivers Smart Parking solutions, for Bikes and Cars. Abel offers an innovative and reliable Vehicle Guidance System with camera-based parking guidance with high accuracy detection, effective guidance, wayfinding, security features, and cloud monitoring software, with the following added values:

- Detection of occupancy and parking duration
- Referral to available spaces
- Insight with real-time data and dashboards
- Easy retrieval of car and bicycle
- Enforcement on parking duration
- Paying for use with apps

The Smart Parking System helps users to find easily available parking places, and offers smart data to cities and parking managers, about the use of their facilities. Abel delivers complete customised solutions, including smart sensor solutions, implementation and installation, software and management & maintenance. Market leader within bicycle parking (currently detecting more than 120,000 bicycles with optical sensors), we deliver refined and tailor-made solutions for the customers, that helps them to improve their efficiency and their impact on sustainability.

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ABEL
sensors



Carver Europe BV

The world is in transition. Electric compact vehicles are more relevant than ever. A green and responsible mobility choice with an incomparable driving experience: the Carver. By developing and producing the best mobility solution, Carver wants to make it possible for everyone to drive smarter, cleaner and more efficiently. The Carver offers you safety and comfort, combined with maneuverability and a compact size.

With the 100% electric Carver you drive green and with a small CO2 footprint. Whatever is on your schedule the Carver offers plenty of space for 2 people and 75 liters of luggage. The 1-seater Cargo even has 500 litres of luggage space. Both models are available in a 45 km/h (R+) with 130 km range and a 80 km/h (S+) with 100 km range option.

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CARVER



Cleantron

Cleantron, based in the Netherlands, is a leading developer and producer of Li-ion Battery Modules and Systems. Our ISO-certified production and expertise in mechanical solutions ensure top-quality modules. Cleantron develops in-house Battery Management Systems (BMS) that based on SoH and SoF messages allows predictive maintenance and advanced IoT functions.

Cleantron's battery packs are applied across diverse market sectors, including Industry, Non-road applications, and Electric Mobility. In the Electric Mobility market, Cleantron specializes in manufacturing batteries for light electric vehicles such as last-mile delivery vehicles, electric motorcycles, and microcars. Additionally, Cleantron produces Scalable High Voltage battery packs for industrial and non-road applications.

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cleantron[®]
cleantech batteries



Conneqtech

Your strategic partner for advanced Internet of Things (IoT) solutions, Conneqtech shows how businesses interact with technology in the bike, healthcare and mobility sectors. Specializing in connecting e-bikes, healthcare devices, transportation, mobility, and logistics through smart internet integration, we offer bespoke solutions tailored to your unique needs. Our expertise spans across creating efficient, secure, and scalable systems that enhance operational efficiencies and unlock new opportunities.

With a dedicated team of IoT professionals, Conneqtech collaborates closely with clients (OEM's, retailers, sharing- and leasing companies, dealer organisations etc) and partners to deliver technology solutions that drive growth and innovation.

Conneqtech. Connecting Mobility.

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CONNQTECH

CONNECTING MOBILITY



Fulpra

We are proud to present Fulpra's newest release cargo bike: The Fulpra e-Xact Line Series - the next generation in professional cargo bikes.

Fulpra's newest cargo bike range combines automotive cargo capacity and robust technology with the convenience and smoothest bike ride. Not just any bicycle, the most powerful yet smoothest of its kind. Developed and produced in the Netherlands by the highest standards for safety and reliability. Now you do not have to drive a van around town anymore, to still easily carry the same load. Without emissions or delay. Flat or hilly, no problem. Comfortable, effective and reliable, right up to any doorstep.

Since we released our first Fulpra series production model, we count PostNL, Fedex, DB Schenker, DHL, Medipoint, Tier, Vinted and many more to our clientele. Our Fulpra Service Program provides professional service and after sales by Fulpra or its contracted service partners in over 11 countries.

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Fulpra



iMoto

iMoto, a tech company in the Netherlands, specializes in developing, producing, and distributing connected mobility solutions. Their focus is on reducing Total Cost of Ownership and enhancing economic sustainability through data-driven approaches. Recognizing the importance of trusted vehicle data, iMoto has established itself as a leader in the e-mobility industry with over 150,000 active units in Europe. The iMoto ecosystem includes IoT hardware with tailored software, firmware updates, cybersecurity measures, and secure data transmission. This hardware connects with e-bikes, cars, vans, LEVS and many other mobility solutions via various protocols, enabling real-time data reading and transmission, integrating sensors for valuable insights, and facilitating robust fleet management systems.

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IMOTO[®]



MOBIAN

At MOBIAN we are committed to take part in the mobility transition and keep destinations reachable. Our smart Park & Ride mobility hubs are the solution to congested cities too dominated by car traffic. It provides motorists a convenient alternative to park at a hub on the outskirts of the city where they can make the switch to a green, more appropriate last mile (e-)mobility. With various facilities at a hub to complement the journey. These can include reservable charging stations and parcel lockers. One trip that can be pre-booked in one customer journey by using one single app.

As a one-stop shop MOBIAN globally offers multimodal travelling by connecting the car to a last mile solution. We operate at international airports, in several cities and also provide Park + Bike at public events like the Dutch Grand Prix.

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Mobilitum

Mobilitum designs and develops light electric vehicles for use on European roads. Or on private sites. By offering services such as leasing, Full service & maintenance, driver training and insurance; we ensure mobility and increase uptime. The Stint Cargo model is a great solution to improve last-mile logistics. And the Stint Pickup model is often used by municipalities for inner-city waste collection.

Using city livability as a starting point, we work towards a solution that benefits environment, efficiency and economics. Mobilitum goes beyond developing vehicles; We Deliver Mobility.

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mobilitum



Moby Bikes

Most e-bike rental or sharing systems require downloading mobile apps, registering, linking a card, and several other steps before the first rental. These requirements often discourage users, leading many to walk past rather than rent a bike. Additionally, during the rental termination, users must take several photos to ensure parking compliance. MOBY's Tap-and-Ride system has been designed to allow for instant bike rental by simply tapping a credit card or phone with Apple Pay or Google Pay on the bike's reader. Additionally with a smart lock system, rental termination is automated upon connecting the bike to a bike park.

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MOBY™



Nedal

There is a huge and growing need for charge points for electric cars. However, towns and villages often have limited space and residents are not keen on their streets becoming even more cluttered. Our charging Light column offers a solution! As the name suggests, it is a Light column and charge point in one.

In this way, we will be able to provide more than enough charge points for electric cars and contribute to a green future while keeping our streets visually appealing. In the city of the future, driving electric will no longer be a challenge. No more searching for a charging station, just a connection right in front of your door. And all that without cluttering up the streets with even more cabinets, poles and other street furniture.

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Cargo Cycling

Cargo Cycling offers a portfolio of cargo bikes, offering urban logistics solution to a large variety of businesses that are facing reduced access to inner cities by car or van and those looking to offer more sustainable solutions. The development and production of these cargo bikes is done completely in-house, by our own development team, welding department, paint shop, wheel building and assembly lines. Built by real craftsmen our sturdy cargo bikes help companies deliver a better future, starting today. Quality and sustainability are key drivers, that is why it is natural for us to offer a circular solution by refurbishing bikes, giving them a second life.

Cargo Cycling is a brand by Nijland Cycling B.V. a unique 33-year-old Dutch family-owned business that develops and produces special bike.

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Supreme Dutch

Supreme Dutch is a company based in The Netherlands that develops and produces (bicycle) tires completely without air. After 10 years of development time and a 5-year exclusive partnership with tire brand Schwalbe, Supreme Dutch has opted for a direct B2B business model without intermediaries.

The Airless inner tube has been developed from the idea of being 100% maintenance-free. This has led to a unique product which is a very interesting solution for specific target groups. Supreme Dutch also develops and produces Airless solutions for various Light Electric Vehicles with associated mounting equipment.

Every day, worldwide, tens of thousands of cyclists benefit from the advantages of the Supreme Dutch Airless inner tubes. Your bicycle fleet soon too?

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Swell Electric

Revolutionize your ride with our cutting-edge wireless charger for light electric vehicles! Introducing a game-changing solution that adapts to your vehicle's needs, our charger dynamically adjusts power delivery, up to 1 kW, over a 10 cm airgap. Say goodbye to tedious charging stops and hello to seamless energy transfer. For moped sharing operators, parking becomes a charging haven, slashing operating costs and transforming urban spaces. Picture car-free cities, with vibrant pedestrian havens and clean air. We're the missing link in the LEV revolution, bringing charging infrastructure to the forefront. Be part of the future where convenience meets sustainability. Swell is the key to hassle-free, eco-friendly mobility. Your journey, your power, effortlessly unleashed!

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SWELL

Electric



Van Raam

Van Raam specializes in the production of special needs bicycles, including tricycles, mobility scooter bikes, low step-through bikes, walking aids, tandem bikes, wheelchair bikes, and transport bikes. Our mission is to facilitate the integration of individuals with disabilities into society. At Van Raam, we believe that sustained mobility fosters happiness and independence. Hence, we offer a modern-day sustainable mobility solution for people with disabilities. Each Van Raam bicycle offers a unique riding experience, enhanced by innovative production techniques and customizable options. Our unique pedal support system is available for most adapted bikes. Quality and sustainability are central to our ethos, reflected in our circular and sustainable practices. Van Raam is committed to crafting specialized bicycles that empower individuals with disabilities, ensuring mobility and independence for all.

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XXImo

XXImo is the all-in-one mobility payments platform for businesses. With a wide range of smart payment solutions, we give companies access to the widest network of mobility providers. From public transport and hotel stays, to shared mobility and e-charging – all costs and transactions are processed via one platform. In short, XXImo enables you to offer innovative, flexible mobility options to your employees, while staying in control of access to these services and associated costs. XXImo was founded in 2011 and is part of AutoBinck Group – a Dutch family business that has grown into a key player in the European mobility market, with versatile ventures aimed at the mobility of tomorrow and the day after.

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Roboat

Roboat, born from a collaborative five-year R&D initiative between MIT and the AMS Institute, is reshaping Amsterdam's ferry services with innovative autonomous navigation technology. This Amsterdam-based startup enhances maritime safety and efficiency, offering a new level of situational awareness for ferry operators navigating complex urban waterways. Looking ahead to the Paris Olympics 2024, Roboat is gearing up to introduce an autonomous, electric, and 3D-printed ferry on the Seine River, focusing on bridging mobility gaps for communities along urban riverbanks. By providing essential connectivity to underserved areas, Roboat is at the forefront of developing essential mobility solutions for urban and pluvial regions, marking a significant step forward in the evolution of urban waterway transportation in Europe's bustling cities.

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ROBOAT



Hardt Hyperloop

Fully electric and autonomous vehicles levitate at high speed through low pressure tubes.

The hyperloop is a sustainable, high speed transport system for passengers and cargo, operating at mass transit capacity. It offers efficient, high capacity travel across regions and continents, reducing energy use and costs compared to other modes like road, rail, and air travel. In the hyperloop driverless vehicles are magnetically guided within low pressure tubes to eliminate physical friction and reduce air resistance. This allows the hyperloop to achieve speeds up to 700 km/h with minimal energy consumption whilst being protected from external influences. Moreover, it operates silently, without vibration or pollution, and requires minimal land use.

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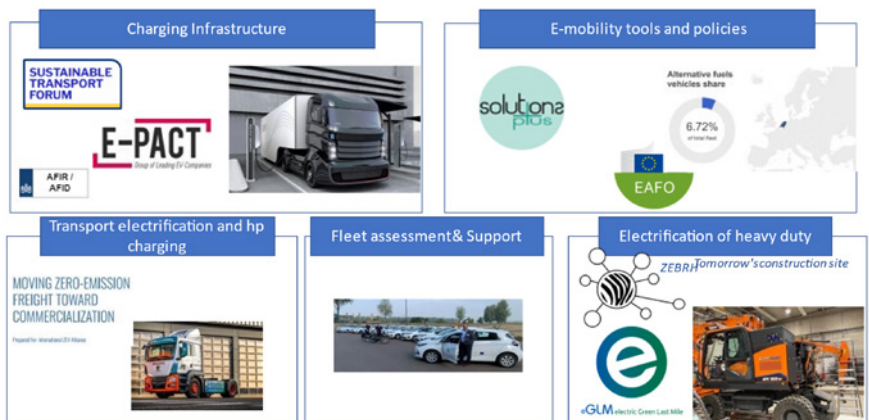
FIER

FIER Sustainable Mobility, Netherlands (since 1995) is a consultancy, research and business development company, specialized in zero emission mobility, logistics and (road) freight. Dedicated to sustainability and innovation. Our team initiates, develops and manages impact driven (EU co-funded) projects and builds public-private-consortia. FIER supports local, national and EU public authorities in defining policies for electric mobility and (smart) charging infrastructure

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Amsterdam Trade & Innovate

Amsterdam Trade & Innovate supports businesses from the Amsterdam Area to spread their wings on the international stage. We do so by focusing on innovative solutions for urban and societal challenges.

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www.iamsterdam.com/trade

amsterdam
TRADE&INNOVATE



Rotterdam Partners

We are Rotterdam Partners. Rotterdam is at the heart of everything we do. We are proud of Rotterdam. Proud of its energy, its innovative and enterprising character and its port. Proud of its down-to-earth charm and international flair. Rotterdam is always on the move and that's why we are convinced the city still offers a world of opportunities to be seized.

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**ROTTERDAM
PARTNERS**



ROM Utrecht Region

The Regional Development Agency for the Utrecht Region and partners are focusing on the innovative strength of the region, that comes together in 3 ecosystems: Earth Valley, Media & Gaming and Life Sciences & Health. Together, we're working on a better world for healthy people, a healthy living environment, and a healthy society in an increasingly digital world.

The sustainable, social ambitions for a healthy living environment are the motivation for the Earth Valley ecosystem. Here, companies, knowledge institutions and governments work together on innovative solutions to social issues in the field of a sustainable living environment, housing, mobility, climate adaptation and energy transition. The strong presence of intelligent solutions and technologies in the Utrecht region fuels this drive.

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Dutch Cycling Embassy

The Dutch Cycling Embassy is a foundation representing a public private network of 100 organizations offering the best cycling knowledge and expertise, translating our sustainable mobility solutions to local situations around the globe.

We facilitate projects worldwide in improving local cycling conditions, thereby creating more sustainable, safe, social, wealthy, healthy and happy places to live.

We offer various services to experience the Dutch cycling culture, including study tours to the Netherlands. We also offer tailor made ThinkBike Workshops, bringing experts to transport departments, municipal governments and work on specific challenges and problems that cities are experiencing looking at it through the Dutch lens. Together with its academic partners, the Dutch Cycling Embassy offers a variety of learning methods that help develop cycling knowledge in a structural and certified manner.

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AUTONOMY
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#SolvingGlobalChallengesTogether

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