

# Netherlands mission to Mobile World Congress and 4YFN 2024

25 – 29 February  
Barcelona



Netherlands

# Foreword

Frits Grotenhuis, Director Topsector ICT



I am delighted to be part of the 2024 edition of the Mobile World Congress and 4YFN. The Netherlands has consistently been a leader in embracing and advancing digital technology. Our active participation not only highlights our achievements but also underscores our dedication to a future shaped by digital transformation, technological innovation, and knowledge sharing. It's crucial to remain at the cutting edge of connectivity and work together in the European context.

The Mobile World Congress and 4YFN collectively offer a great platform to connect with potential clients, industry experts, investors, government representatives, and each other. The Netherlands' longstanding engagement in this event is a testament to its significance, and I am pleased to continue in this year's edition.

The Netherlands is a hub for influential players in the connectivity field, as well as an incubator for startups and scale-ups that are accelerating change and are on a mission to change the world 4 Years From Now.

In collaboration with all stakeholders, I look forward to establishing new relationships, sparking innovative ideas, and paving the way for collaborations that will drive both the Netherlands and the global community towards an era of unparalleled digital excellence.

I am confident that the NL MWC/4YFN program offers significant opportunities for growth by facilitating the formation of inventive partnerships.

I wish all participants an inspiring and successful mission.

# Foreword

Roel Nieuwenkamp, Ambassador of the Kingdom of the Netherlands



It is an honor to be part of the Mobile World Congress 2024 and 4YFN in Barcelona. Both Spain and the Netherlands share a profound commitment to innovation and sustainability across various facets of connectivity. With its consignment to advancing connected mobility, fostering smart city initiatives, and promoting research and development in innovative technologies, the countries show a great interest in mobile connectivity. The Netherlands has not only been an active participant in the digital transformation but also a pioneer in technological innovation.

The Congress presents an excellent opportunity to delve into the developments and future of mobile connectivity. I appreciate the enduring Dutch participation in this event. Therefore, I am very pleased that the NL is represented at this strategic event by a large delegation of more than 100 Dutch participants. It is great that the Netherlands is also well represented at 4FYN with 16 Dutch startups..

With the presence of Special Envoy for Techleap His Royal Highness Prince Constantijn of the Netherlands and together with all participants, I look forward to forging new connections, inspiring innovative ideas, and laying the groundwork for partnerships that will propel the Netherlands, Spain and the rest of the global network to a great mobile community.

With great anticipation, I am looking forward to being a part of the Mobile World Congress and 4YFN, which certainly will offer excellent opportunities for expansion through the establishment of innovative partnerships. Wishing everyone an inspiring and fruitful event.

# The Netherlands



## Locations

1. Amsterdam (and Airport Schiphol) |
2. Arnhem | 3. Assen | 4. Breda |
5. 's Hertogenbosch | 6. Eindhoven |
7. Enschede | 8. Groningen | 9. Haarlem |
10. The Hague | 11. Leeuwarden |
12. Lelystad | 13. Maastricht |
14. Middelburg | 15. Rotterdam |
16. Utrecht | 17. Zwolle |

# Facts & figures

Official name:  
Kingdom of the  
Netherlands

Capital:  
Amsterdam

Seat of government:  
The Hague

Form of government  
Parliamentary  
democracy (cabinet  
of Prime Minister and  
Ministers) within a  
constitutional  
monarchy

Head of State:  
His Majesty King  
Willem-Alexander,  
King of the  
Netherlands,  
Prince of Orange-  
Nassau

Location:  
Western Europe  
bordering Germany,  
Belgium and the  
North Sea

Administrative structure:  
The kingdom consists of four entities.  
The Netherlands and three territories in the  
Caribbean: Aruba and Curaçao and St. Maarten.

Special municipalities  
The overseas islands of Bonaire, Saba and  
St. Eustatius, all three of which are located in the  
Caribbean.

Surface area

41,545 km<sup>2</sup>

Number of inhabitants (2022):

17,564,623

Monetary Unit:

Euro

Languages:  
Dutch, Firsian and on the  
overseas islands also  
English and Papiaments

GDP per capita  
(World Bank, 2021):

58,061 US dollars

Number of provinces:

12

Number of inhabitants  
per km<sup>2</sup> (2022):

423

Unemployment rate  
(CBS, 2022):

3.3%

English speaking Dutch  
people:

90%

# Introducing the Netherlands

## The Netherlands as your digital partner

### #2 in Europe for connectivity

Based on the Digital Economy and Society Index (DESI), published annually by the European Commission, The Netherlands is one of the leaders in fixed broadband, enjoying the unique situation of having two almost nationwide fixed networks and fast broadband access available to practically every Dutch household, with Very High Capacity Network (VHCN) coverage at 98%. The Dutch are also very well connected in terms of numbers of citizens using the internet, as well as their range of online activities. Dutch mobile networks are among the best mobile networks in the world, both in terms of speed, coverage and availability. Nearly 90 percent of the Netherlands' land area is covered by fast 4G mobile networks with an average download speed of over 70 Mbps, according independent benchmarks by OpenSignal. However, because the 3.5Ghz spectrum has still not been auctioned, the Netherlands performs badly in terms of 5G download speed.

### High smartphone adoption

The Dutch smartphone market is mainly operator driven. Thanks to the combination of high subsidies on smartphones from operators in the past, the generally high income and education level of the Dutch, the Dutch smartphone market has slightly increased to a penetration rate of around 98 percent at the end of 2023, according to the Telecompaper Consumer Insights panel of Dutch independent market researcher Telecompaper. Even among elderly people aged 55 -80, smartphone penetration in the Netherlands is

at 97 percent, according to the Telecompaper Consumer Insights panel. This puts the Netherlands amongst the highest smartphone penetration rates in Europe.

### #2 in Europe for overall digitalisation

According to DESI, the Netherlands has been a consistent top performer in the EU with 79% of the population aged 16-74 having basic digital skills, second in the EU after Finland. It ranks first when it comes to above basic digital skills, at 52% of the 16-74 population.

### #7 in Global Innovation Index

The Dutch are not only innovators when it comes to the long fight against the seas. The promotion of startup companies through organizations such as StartupDelta and the concentration of knowledge in areas like robotics in Brainport Eindhoven are but a few examples that earned the Netherlands a number seven position in the Global Innovation Index 2023 (GII2023), making it fifth among Europe. Switzerland is the number one for 13th consecutive year, while the Netherlands dropped two places down to 7th position in the 2023 Index. This shows that smaller but rich countries are able to participate at the highest level of innovation. The Netherlands are particularly strong when it comes to knowledge companies, cooperation between government, business and science, ICT innovation and quality of ICT infrastructure. According to the GII2023 the Netherlands produces more innovation outputs relative to its level of innovation investments.

# Worldwide rankings

Singapore

Australia

Sweden

Netherlands

Finland

## 4<sup>th</sup>

Country worldwide that ranks in  
Technology Readiness  
Economist Intelligence Unit 2018-2022

Iceland

South Korea

Switzerland

Denmark

United Kingdom

Hong Kong

The Netherlands

## 7<sup>th</sup>

In the ICT Development Index  
The UN International Telecommunication Union

# Worldwide rankings

## 1st

in WEF's ranking of most competitive economies in Europe. 4th in the world.  
(Source: [WEF 2019](#))

## 1st

Production and auctioning of cut flowers and flower bulbs

## 1st

World's largest flower exporter

## 2nd

Largest exporter of agricultural products in the world  
(Source: [WTO 2019](#))

## 6th

Best at Global Innovation Index  
(Source: [GII 2021](#))

## 5th

Greatest place to live  
(Source: [World Happiness Report 2022](#))

## 5th

Largest importer of goods in the world, 507 billion US dollars  
(Source: [Statista 2021](#))

## 7th

Largest exporter of goods in the world  
(Source: [CIA World Factbook 220](#))

## Regional Partner



# Province of Zuid-Holland

The Province of Zuid-Holland is a governmental entity situated between the national government and the municipalities. The tasks of the province include for example spatial planning, regional mobility and economic affairs.



**Ton Jonker**

Director Economy and Energy  
t.jonker@pzh.nl

Zuid-Holland stands out as a region in the Netherlands, characterized by its influential universities and cities as well as economic activity. The region is home to the impressive Port of Rotterdam, Europe's largest harbor, and the city of peace and justice, The Hague, which is gaining increasing recognition as a hub for cybersecurity. As one of Europe's most densely populated and industrialized areas, Zuid-Holland plays a pivotal role, contributing one-fifth of the total added value from business activity in the Netherlands.

Digitalization is an important theme for the economy in the region. This requires good digital preconditions, such as optimal digital connectivity, cyber security, the right knowledge and skills and room for innovation. Our ambition is to become the most innovative region in Europe and we are well on our way. Within the province, you'll find various field labs experimenting with state-of-the-art technology and the future of connectivity as well as a flourishing Quantum ecosystem.



**Dimitrie Morrison**

Manager Economy  
dep.morrison@pzh.nl

As the province, our role is to facilitate collaboration among various initiatives within the region, ensuring a cohesive effort where (local) authorities, knowledge institutions, and companies join forces to cultivate a conducive environment for innovation and business growth. During the Mobile World Congress, we are excited to introduce our start-ups to various (inter)national partners and explore possibilities for collaboration.

Moreover, we welcome businesses that are curious about the opportunities in Zuid-Holland to contact us, and together, we can assess whether we or our partner, InnovationQuarter, can offer assistance.



**Veronique Klaassen**

Policy Officer Digital Economy  
vk.klaassen@pzh.nl

# Company Profiles

Exhibitors at the Netherlands Pavilion

Location: CS54

# Netherlands delegation 2024

## Mobile World Congress

Ampleon  
Ams-ix  
Broadforward  
Citymesh  
Cm.com  
Eurofiber  
Fairphone  
Future Network  
Services  
Netmore  
Q\*Bird  
Seaborough  
SPIE  
Sectra  
Versius

## 4YFN

ANTENNEX  
Audus  
ChatLicense  
Droonstra  
EW2Health  
Link sight  
Lumino Studio  
MantriSpectra  
Osind Medi Tech  
Qualinx  
Senseglove  
Skinive  
SLIMDESIGN  
TokenMe  
Villari  
Whispp

## Ampleon

### Company description:

Market-leading RF Power supplier

### Company profile:

Created in 2015 and headquartered in the Netherlands, Ampleon is shaped by nearly 60 years of RF Power leadership. The company envisions to advance society through innovative RF solutions based on GaN and LDMOS technologies. Ampleon is dedicated to being the partner of choice by delivering high-quality, high-performance RF products with its world-class talent. The portfolio offers flexibility in scaling design and production for any volume and addresses applications for 4G LTE, 5G NR infrastructure, industrial, scientific, medical, broadcast, navigation and safety radio applications. Customers benefit from Ampleon being a one-stop-partner for RF Power solutions.

### What problem(s) do you aim to solve?

We offer RF Power solutions addressing the market segments of Wireless Infrastructure, Navigation and Safety Radio, Broadcast, Industrial, Scientific and Medical

### Why is/are your solution(s) special?

Market leading RF power performance solutions based on GaN and LDMOS semiconductor technologies

### Mission for MWC:

Facilitate the digital society of the future by enabling wireless connections to complementing partnerships

### Top 3 countries of interest:

Ampleon support the customers globally

### Want to meet the following types of companies and individuals:

Radio access network equipment manufacturers



### Vincent Gerritsma

Chief Executive Officer  
Vincent.gerritsma@ampleon.com



### Peter Stolk

Chief Technology Officer  
peter.stolk@ampleon.com

### Amount of employees:

1500

### Founded in:

2015

### Ampleon

Halfgeleiderweg 8  
6534AV Nijmegen  
www.ampleon.com



# AMS-IX

## Company description:

Fast, secure and reliable connectivity

## Company profile:

AMS-IX (Amsterdam Internet Exchange) is a neutral member-based association that operates multiple interconnection platforms around the world. The AMS-IX platform plays a crucial role at the core of the internet for almost 30 years and is one of the largest hubs for internet traffic in the world with nearly 12 Terabits per second (Tbps) of peak traffic. AMS-IX also manages the world's first mobile peering points: the Global Roaming Exchange (GRX), the Mobile Data Exchange (MDX) and the Internetwork Packet Exchange (I-IPX) interconnection points.

## What problem(s) do you aim to solve?

In the Information Age, data has the potential to drive growth, foster societal efficiency, and create fairer systems. However, several barriers hinder the realisation of these prospects. One of these is that only a small percentage of all data is actually used, shared and analysed. Because of uncertainty about security, privacy and other legal issues such as data ownership, organisations do not share data at all or resort to individual agreements for exchanging data. Which means we are missing big opportunities.

## Why is/are your solution(s) special ?

AMdEX Trust Engine democratises data sharing, promotes data sovereignty, fosters innovation, and provides companies with cost savings, speed, and a competitive advantage in the data-driven landscape.

## Mission for MWC:

Facilitate a fairer digital society of the future by providing connectivity to complementing partnerships.

## Top 3 countries of interest:

Countries who want to join us create a better society for a better internet.

## Want to meet the following types of companies and individuals:

Trusted Engine is intended for data owners who want to share data and the technology suppliers that make this possible. AMdEX Trust Engine fills in a piece of the data puzzle by ensuring that agreements that are made are enforced digitally. Together, the data owners and technology suppliers decide whether they want to use AMdEX.



**Jan Semmelheck**

Business Development  
jan.semmelhack@ams-ix.net



**Jan van Boenschoten**

Innovation Manager  
jan.van.boeschoten@ams-ix.net

## Amount of employees:

90

## Founded in:

1994

## AMS-IX

Frederiksplein 42  
1017 XN Amsterdam  
www.ams-ix.net

**Taco Schoute**

CEO

Taco.schoute@broadforward.com

**Edwin Oosterkamp**

Global Sales

Edwin.oosterkamp@broadforward.com

**Founded in:**

2011

**BroadForward**

Nijverheidsweg-Noord 60-76

3812 PM Amersfoort

www.broadforward.com

**Company description:**

Telecom network software company

**Company profile:**

BroadForward provides intelligent signaling software to Service Communication Providers globally. The portfolio consists of converged, cloud-enabled, multi-generational core network products for routing, interworking, security and number portability. BroadForward is seven-time GSMA nominee for Best Mobile Technology and GLOMO Award winner for Best Mobile & Network Software Breakthrough, supporting providers with their network transition to 5G. In 2022, BroadForward software powered the world's first live 5G Standalone roaming connection.

**What problem(s) do you aim to solve?**

BroadForward supports network operators with their transition to Next Generation Networks, enabling network virtualization, containerization and cloud deployment across 2G, 3G, 4G and 5G for four categories of Core network functions.

- Routing (STP, DSC, SEPP, SCP, SoR)
- Interworking (2G-3G-4G-5G-Fixed)
- Security (Firewalls, EIR)
- Number portability (ENUM)

**Why is/are your solution(s) special?**

Each product is powered by a common, converged software architecture designed from the ground up to deliver future-proof, multi-technology capable, intelligent, virtualized, cloud deployable signaling solutions.

**Mission for MWC:**

Showcasing and sharing the latest on our signaling products, services and expertise to customers and partners as well as media and analysts

**Top 3 countries of interest:**

BroadForward has a global customer base and partner network

**Want to meet the following types of companies and individuals:**

Communication Service Providers (MNO, MVNO, MVNE, IPX, IoT, MNP), as well as Technology and Sales channel partners

## Company description:

Preeminent Belgian technology company

## Company profile:

Citymesh is a preeminent Belgian technology company, serving as a pivotal solution partner for business clients with innovative challenges for nearly two decades. Established in 2006, the company specializes in offering both permanent and temporary connectivity solutions, utilizing cutting-edge Wi-Fi, 0G, 4G, and 5G technologies. Citymesh operates across various sectors, including industry, public services, offshore markets, education, healthcare, and smart cities, and extends its services to numerous events and festivals. Following the acquisition of spectrum bands in June 2022, Citymesh has emerged as the fourth official telecom operator in Belgium, aspiring to transcend the role of a traditional telecommunications provider. Citymesh distinguishes itself through its personalized approach and commitment to pioneering projects, such as the Safety Drone project, which leverages 5G technology to control drones that assist emergency services. As a member of the Cegeka group, Citymesh employs over 160 dedicated professionals, committed to delivering innovative solutions to their clients.



**Joeri Tranchet**

Chief Operating Officer  
joeri.tranchet@citymesh.com



**Mitch de Geest**

Chief Executive Officer

## Amount of employees:

350

## Founded in:

2006

## Citymesh

Kapellestraat 130/144  
Block D  
8020 Oostkamp  
Belgium

## What problem(s) do you aim to solve?

Citymesh focuses on solving connectivity issues for businesses and organizations. This involves delivering both permanent and temporary connectivity solutions using a range of technologies like wifi, 0G, 4G, and 5G. By doing so, they address the need for reliable and efficient communication networks in various sectors.

## Why is/are your solution(s) special?

Citymesh specializes in providing both permanent and temporary connectivity solutions using a variety of technologies such as wifi, 0G, 4G, and 5G. This makes them versatile in addressing the connectivity needs of the diverse clientel.

## Mission for MWC:

Connecting with the right people

## Top 3 countries of interest:

The Netherlands, Belgium and Germany

## Want to meet the following types of companies and individuals:

Mobile vendors



CM.com

# CM.com

## Company description:

Omnichannel Communications Platform since 1999

## Company profile:

CM.com (AMS: CMCOM) is a global leader in cloud software for conversational commerce that enables businesses to deliver a superior customer experience. Our communications and payments platform empowers marketing, sales and customer support to automate engagement with customers across multiple mobile channels, blended with seamless payment capabilities that drive sales, gain customers and increase customer happiness.

## Mission for MWC:

Empower brands and organizations to optimize customer communications throughout the entire mobile customer experience. CM.com (AMS: CMCOM) is a global leader in cloud software, delivering A-grade connectivity, AI-powered engagement, and intuitive payments for the brand-new generation of customers. Our state-of-the-art APIs and SaaS products help you notify, validate, support, and sell. Through any channel. Including SMS, Voice, WhatsApp, RCS, Messenger, Viber, Insta DM, and many others.

## What problem(s) do you aim to solve?

The problem that we solve is that we empower brands and organizations to optimize customer communications throughout the entire mobile customer experience in a very secure and cost-effective way. Making sure that messages are delivered and costs regarding fraudulent traffic is minimized.

## Why is/are your solution(s) special?

- Our global privately-owned cloud platform is geo-redundant and directly connected to multiple carriers and operators. It makes it easy for you to scale-up your traffic with no hassle.
- We provide all our channels within one Business Messaging API. Easily integrate, scale-up or add extra channels such as SMS, WhatsApp, Google's Business Messaging and more.
- For our Voice and Messaging channels, we provide clear and detailed Analytics and Logging Apps as well as the possibility to get all your insights and information via our APIs.

## Top 3 countries of interest:

Nordics, UK and Belgium

## Want to meet the following types of companies and individuals:

IT/C-level decision makers that are responsible for large messaging volumes at enterprise-tier companies, mainly in financial service, tech & media and logistics & transport industries



### Sven van Gurp

Sales Manager Netherlands Connect  
sven.vangurp@cm.com



### Inge Tijhaar

Head of Commerce Europe Connect  
Inge.tijhaar@cm.com

## Amount of employees:

800

## Founded in:

1999

## CM.com

Konijnenberg 30  
4852 BD Breda  
www.cm.com

## Company description:

We empower the digital society

## Company profile:

Eurofiber is a provider of industry-leading open digital infrastructure in the Netherlands, Belgium, France and Germany. Utilizing our 70,500 km fiberoptic network and ten datacenters, we empower the digital societies of the countries in which we operate. Our customer base consists of companies, government bodies and non-profit organizations.

## What problem(s) do you aim to solve?

Businesses and organizations are highly dependent on the reliability of their connectivity and cloud solutions. Eurofiber provides them with a range of high quality, secure, future-proof solutions.

## Why is/are your solution(s) special?

Eurofiber had a unique footprint in Western Europe. Our fiberoptic network is open, accessible for all companies and organizations. Our customers have complete freedom to choose the services, applications and providers they need, allowing them to tap into the full potential of digital innovation. Eurofiber is laying the foundation under the digital society, which is why the Dutch Ministry of Economic Affairs has assigned Eurofiber the status of 'vital infrastructure'.

## Mission for MWC:

Connecting people in the business.

Focus on today and future innovations of ICT & fiber network such as security (redundancy), Quantum (QKD), 5G and ESG.

## Top 3 countries of interest:

Eurofiber is located in The Netherlands, Belgium, Germany and France.

## Want to meet the following types of companies and individuals:

Strategic partners and costumers in business, innovation & media.

*Please meet us at the NL booth between Hall 5 and Hall 4 at CS54 !*



**Paul Naastepad**

Managing Director Eurofiber  
Netherlands



**Hans den Heijer**

Media Relations & PR Manager  
hans.denheijer@eurofiber.com

## Amount of employees:

750+

## Founded in:

2000

## Eurofiber

Safariweg 25-31  
3605 MA Maarssen  
www.eurofiber.com



**Monique Lempers**  
Chief Impact Officer



**Corné Le Clercq**  
Commercial Director

**Amount of employees:**  
160

**Founded in:**  
2013

**Fairphone**  
Van Diemenstraat 200  
1013 CP Amsterdam  
[www.fairphone.com](http://www.fairphone.com)

## Company description:

A sustainable electronics company

## Company profile:

Fairphone is a pioneering leader in the ethical smartphone industry, committed to creating sustainable products as transparently as possible, challenging the status quo of the electronics industry. By prioritizing fairness, environmental responsibility, and social impact, Fairphone aims to inspire positive change across the technology sector and beyond.

## What problem(s) do you aim to solve?

Our latest device, the Fairphone 5, is described with the tagline 'Designed for you, Made Fair'. Fairphone 5 offers a 5-year warranty as well as software support until at least 2031 and contains fairly sourced materials, challenging the electronics industry to take a more responsible approach. Fairphone 5 is an electronic waste neutral smartphone and climate conscious, meaning that we combine CO2 avoidance, reduction and investment in Gold Standard carbon reduction projects.

## Why is/are your solution(s) special?

By launching Fairphone 5, we are challenging the industry further than ever before to do things differently, pushing the boundaries of what is possible in the electronics sector. Fairphone 5 is a premium smartphone that's designed for you and made fair. The device is a step up in our core features, providing users with even more benefits.

## Mission for MWC:

We want to raise brand awareness, increase sales, increase availability of our products and reach a wider target audience, all while strengthening our existing partnerships.

We also hope to connect with potential new clients and industry peers. Since we celebrated our 10-year anniversary in 2023, we see MWC as a great opportunity to look back at the past decade of making sustainable phones. By sharing the steps we have taken to change the electronics industry from within with the MWC audience, we want to motivate the industry as a whole to act more sustainably.

## Top 3 countries of interest:

Germany, France and the Netherlands

## Want to meet the following companies and individuals:

Potential partners and resellers of smartphones.

# Future Network Services

## Organization description:

Dutch National 6G R&D Program

## Organization profile:

Future Network Services (FNS) is a unique Dutch alliance, comprising 60 leading ICT businesses, mobile operators, semiconductor manufacturers, research institutions and universities, which have united to spearhead the development of specific aspects of 6G: Software antennas, AI-driven network software, and ground-breaking 6G applications.

## What problem(s) do you aim to solve?

FNS is aiming for a leading international position for the Netherlands in 6G, the next generation of mobile networks. With the FNS program we drive Dutch economic growth, reduce the societal vulnerabilities for human and technical error and for risky strategic dependencies in the 6G supply chain. We will optimally contribute to the sustainability transitions in the energy, logistics, and high-tech industry sectors.

## Why is/are your solution(s) special?

The FNS program leverages and integrates the Dutch strengths in three crucial parts of 6G: radio components, network software, and mobile applications. This is achieved by over 60 partners that cover the full value chain.

## Mission for MWC:

At MWC24, we and various consortium members will promote our role and ambitions in the development of 6G and our place in the global 6G value chain. In addition, we will connect with parties we can collaborate with.

## Top 3 countries of interest:

Main focus on European countries with a National 6G Program.

## Want to meet the following companies and individuals:

Companies and individuals who are active in 6G R&I and in particular testbeds and field trials.



**Peter Rake**

Program Director  
peter.rake@tno.nl  
+31653698984



**Paul Wijngaard**

Alliance Director  
paul.wijngaard@tno.nl  
+31622125220

## Founded in:

2023

## Future Network Services

Anna van Buerenplein 1  
2595 DA The Hague  
www.Futurenetworkservices.nl

# Netmore

## Company description:

Smart metering connectivity networks

## Company profile:

Netmore is a carrier-grade provider of Pan-European LoRaWAN network, offering a purpose-built infrastructure capable of seamlessly onboarding millions of smart meters.

Our future-proof network is developed for optimal IoT connectivity, to save water, energy, money, time and worries for our customers. Ultimately, enabling them to accomplish more with less.

## What problem(s) do you aim to solve?

We guarantee reliable long-term coverage for ambitious IoT projects across Europe. We build large scale LoRaWAN® networks, if you are deploying your own private network, gain access to our operator grade Platform, that makes it simple to deploy and manage your own dedicated IoT network.

## Why is/are your solution(s) special?

We had to build the platform for our own network use, and it allows others to access the tools that make it a scalable platform.

## Mission for MWC:

Thought leadership, branding, and connecting.  
Meetings with industry and ecosystem leaders.

## Top 3 countries of interest:

Spain, UK, France

## Want to meet the following types of companies and individuals:

Finding strategic partners.

## Amount of employees:

65

## Founded in:

2010

## Netmore Group

Oranjeboomstraat 19  
4812 EM Breda  
netmoregroup.com



## Marco Sprenkels

Managing Director BeNeLux  
marco.sprenkels@netmoregroup.com



## Jalmari Mäkilä

Business Developer  
jalmari.makila@netmoregroup.com



# Q\*Bird

## Company description:

We enable Quantum Secured Connectivity

## Company profile:

Q\*Bird B.V. is a deeptech startup that has developed a unique quantum cryptography product that is based on the fundamental laws of nature, providing provable security against any attack, including those from future quantum computers.

It is Q\*Bird's goal to protect data communications and digital infrastructure with their products, as well as to provide the fundamentals for the forthcoming quantum internet.

## What problem(s) do you aim to solve?

Securing our data communications and digital infrastructure is a critical challenge of our ever more connected society. Encryption of our data relies on very difficult math problems that are very difficult for computers to solve.

A future quantum computer, or even already existing very powerful computers will be able to solve these math problems, and thus hack our encrypted data. This is already important now, because some of these data need to be kept safe for years. And malicious entities can steal data now, and decrypt it later once a quantum computer is available.

## Why is/are your solution(s) special?

We propose a solution based on the same quantum technology. Quantum cryptography uses the fundamentals of nature to protect our communications – even against an attack by a future quantum computer.

We have developed a product that can provide this security and is scalable to multiple users in large networks. In the future, this technology will also enable connections between quantum processors and be a cornerstone of the quantum internet!

## Mission for MWC:

Promote Q\*Bird's products to provide quantum secured communications to governments, critical infrastructures, financial institutions and enterprises. We aim to work together with network and service providers to upgrade existing networks.

## Top countries of interest:

Benelux, Germany, France, Spain

## Want to meet the following companies and individuals:

Telco's, service providers and network equipment providers



### Ingrid Romijn

CEO  
ingrid@q-bird.nl



### Remon Berrevoets

CTIO  
remon@q-bird.nl

## Amount of employees:

15

## Founded in:

2022

## Q\*Bird

Lorentzweg 1  
2628 CJ Delft  
www.q-bird.nl



SEABOROUGH

# Seaborough

## Company description:

Giving Light Purpose

## Company profile:

Seaborough is an R&D company in LED technology that develops, commercializes and licenses innovative lighting solutions. We are active in three areas: Electronics, Life Science and Materials.

## What problem(s) do you aim to solve?

Seaborough aims to address the health impacts of indoor living by focusing on Healthy Light solutions through our Life Science program. The innovative SunLED® technology brings the beneficial aspects of sunlight, particularly near-infrared light, indoors. Given that people spend 90% of their waking hours indoors, SunLED® seeks to counter this deprivation and contribute to improved health and well-being through a cost-efficient delivery of effective near-infrared light.

## Why is/are your solution(s) special?

SunLED® stands out by improving physical health, mental well-being, and immune function through near-infrared light. Its unique feature lies in effortless integration into everyday devices, making health benefits easily accessible without user intervention.

## Mission for MWC:

Seaborough is a technology provider, we don't bring products to the market ourselves. We are looking for partners that want to boost the value proposition of their product portfolio by integrating SunLED® technology. MWC is the ideal place to connect with brands and manufacturers of display devices or USB powered accessories.

## Top 3 countries of interest:

USA, China, EU

## Want to meet the following types of companies and individuals:

Companies that we want to meet are brands or manufacturers of display devices, USB powered accessories, or companies active in the field of health, well-being and fitness. Preferably a combination of all these elements.



### Ayhan Siriner

Head of Marketing and  
Business Development  
a.siriner@seaborough.com



### Dr. Anne Berends

Program Director of Life Science  
a.berends@seaborough.com

## Amount of employees:

30

## Founded in:

2013

## Seaborough

Science Park 106  
1098 XG Amsterdam  
[www.seaborough.com](http://www.seaborough.com)  
[www.sunled.health](http://www.sunled.health)

## Company description:

45 years in cybersecurity

## Company profile:

Sectra is an expert and a leading provider in the field of cybersecurity, specialized in developing high assurance communication systems. We help organizations that handle classified information, such as defense organizations, NATO, and the EU, to secure their communication against eavesdropping and protect their systems against intrusion.

## What problem(s) do you aim to solve?

Securing communication against eavesdropping and protecting systems against unauthorized access.

## Why is/are your solution(s) special|?

They are evaluated and approved by security authorities in several countries as well as by the EU and NATO.

## Mission for MWC:

At MWC this year, our mission is to find new and valuable connections and strategic partnerships, as well as explore innovative solutions in the mobile industry.

## Top 3 countries of interest:

EU and NATO countries

## Want to meet the following companies and individuals:

A technical audience from Governmental bodies.



## Jeroen de Muijnck

Managing Director Sectra  
Communications BV  
jeroen.demuijnck@sectra.com



## Steven Jansen

Key Account Manager  
steven.jansen@sectra.com

## Amount of employees:

97

## Founded in:

1978

## Sectra

### Communications

Prinsessegracht 3  
2514 AN Den Haag  
www.communications.  
sectra.com



# SPIE



Jacco Saaman  
Director Innovation, Business  
Development, Sales  
Jacco.saaman@spie.com  
0031-613499043



John Besamusca  
Businessunit Director ICS  
John.Besamusca@spie.com  
0031-653728720

**Number of employees:**  
50.000

**Founded in:**  
1900

**SPIE**  
Huifakkerstraat 15  
4815 PN Breda  
The Netherlands

## Company description:

As the independent European leader in multi-technical services in the areas of energy and communications, SPIE focuses its strategy on the fight against climate change with a clear ambition: to respond to the energy and digital challenges faced by its customers and civil society in general through concrete and efficient solutions.

## Company profile:

To achieve this, the Group relies on its major strengths: its independent business model combining growth and profitability, the essential nature of its technical services and its position throughout the value chain of its customers' facilities, from their design to their maintenance. SPIE's local presence in all sectors of the economy also enables it to multiply practical innovations and share them widely from one sector to another.

## What problem do you aim to solve

Preparing for the energy future  
Developing a digital tool for creating shared value  
Promoting inclusion through employment

## Why is your solution special?

We think, combine and act together with the client to listen, create and solve the challenges for its clients, in this we work together in an ecosystem with partners and suppliers to deliver the best solution needed.

## Mission for MWC:

Creating a wide range of expertise enabling the company to deal with this complexity and diversity by adding partners and solutions.

## Top 3 countries of interest:

The Netherlands, France, Germany, Poland, Belgium, Austria, EU

## Want to meet the following types of companies and individuals:

Partners, specialists who want to work together, who are open to share their knowledge and with whom we can make profit and solve the environmental, social and governance challenges.



# Versius

## Versius

### Company description:

The Human aspect in AI

### Company profile:

Versius invents, develops, produces and brings to the market. The focus is on innovations in the domain of IoT, data driven applications and AI. With these innovations spaces become a living digital entity with senses and a voice which talks in natural language over all common media and channels. We innovate with the aim to increase safety, make buildings smarter, more energy efficient and durable, with an emphasis on health.



**Winston Mendeszoon**

w.mendeszoen@versius.nl

The current projects are true innovation, the products are on the brink of being tested in the field, followed by the go to market in Q4 2024. Versius works with partners in a variety of verticals, clients range from housing companies and cooperations, hospitals, to public transport, health and industrial applications.

### What problem(s) do you aim to solve?

Versius innovations operate in open space, building and we aim to make houses, intelligent with this technology. We create digital senses and awareness for spaces by using vision, hearing, a sense of smell. The AI learns from human behavior and use of spaces and is able to

### Why is/are your solution(s) special?

We make develop a digital entity which is aware of people and the way they use space. This entity helps to keep user safe and healthy, but also looks at aspects in durability and energy use.

### Mission for MWC:

Our mission for MWC is to get in contact with companies that would like to cooperate with us to enable our technology.

### Top 3 countries of interest:

EU, USA, APAC

### Want to meet the following types of companies and individuals:

Development of data and AI driven products and applications in the field of data driven applications, IoT and AI. R&D, Marketing, Product Development, CEO/CTO/CPO, Product Management of smart and intelligent products. sensors and detector. IoT and AI platform development. Large Language Model development for specific use cases.

### Amount of employees:

10

### Founded in:

2019

### Versius

Hamerstraat 3

1021 JT Amsterdam

## Exhibitors

**BROADFORWARD**

AMPLEON



euofiber



**FAIRPHONE**



**netmore** SPIE



**SECTRA**



## Partners



Ministerie van Economische Zaken en Klimaat



TOPSECTOR  
ICT  
dutch digital



ECOSYSTEM  
SERVICES



provincie  
Zuid-Holland

telecompaper:::



it channelpro

Divitel



WHISPP

hylman  
les deux frères



Rijksdienst voor Ondernemend  
Nederland

NBSO  
Barcelona  
etherlands  
Business  
Support Office

# Company Profiles

4 Years From Now delegation

**Anouk Hubrechten**

CEO

[anouk.hubrechten@antennex.tech](mailto:anouk.hubrechten@antennex.tech)

+31 6 4832 6053

**Teun van den Biggelaar**

CTO

[teun.vandenbiggelaar@antennex.tech](mailto:teun.vandenbiggelaar@antennex.tech)

+31 6 1045 5706

ANTENNEX develops test and measurement equipment for next-generation integrated wireless devices (e.g. 5G/6G, automotive radar, sensing). In these devices, the electronics and antennas are integrated, so the only way to test them is over the air. This is complex procedure, where testing typically takes 30% of the development time. ANTENNEX developed a unique solution that can test many metrics over 100 times faster and easier, shortening product-time-to market drastically.

**What problem do you aim to solve?**

- Testing wireless devices is a long and difficult process that requires a significant amount of expertise. This leads to many delays and high cost. In the fast-moving semiconductor market, this is unacceptable. We solve this problem by providing test equipment that can perform the tests much faster.

**Unique Selling Points:**

- Our disruptive technology turn all conventional testing methods on its head. It takes the complexity of antenna measurements away from the user, so everyone can perform an accurate measurements.

**Profile of Commercial Contacts Wanted**

We would like to meet people from R&D departments of companies that develop integrated antenna systems for wireless applications operating between 6-140 GHz, specifically in telecommunications.

**ANTENNEX**

Het Eeuwse 57

5612 AS Eindhoven

The Netherlands

[www.antennex.tech](http://www.antennex.tech)



# Audus Technologies



## Marciano Ferrier

Founder & Head of Innovation  
[marciano@audus.io](mailto:marciano@audus.io)  
+31 6 4353 0353



## Joost Taverne

Co-Founder & Managing  
Director  
[joost@audus.io](mailto:joost@audus.io)  
+31 6 2976 7373

Audus Technologies will unveil their latest product, Knisper. Knisper's mission is to enhance the lives of the 1.5 billion people worldwide experiencing hearing loss. Their software engine, Knisper, transforms voice audio on any platform or device, adapting sound to individual hearing needs without the need for a hearing aid. By addressing the challenges of hearing loss, Knisper aims to improve communication, prevent social exclusion, and enhance overall quality of life, offering a user-friendly solution that enhances digital accessibility.

### What problem do you aim to solve?

- Improve the lives of the 1.5 billion people worldwide that suffer from hearing loss.

### Unique Selling Points:

- Knisper Voice Audio Booster improves peoples hearing by modifying the voice audio of any device to the hearing needs of its user, so people no longer have to use a hearing aid while video conferencing, making phone calls, working on a computer or watching TV and listening radio.

### Profile of Commercial Contacts Wanted

Looking for telco/CTO's/digital accessibility.

## Audus Technologies

Danzigerkade 15 0E  
1013 AP Amsterdam  
The Netherlands  
[www.audus.io](http://www.audus.io)



# ChatLicense

Your family's guide in online life. A transformative app, built by a Dutch original mission driven Ed-Family-Tech company. From the moment kids start using their first smartphone, parents and kids are in the digital deep. While kids look at that age still at their parents for guidance, parents can't keep up.

ChatLicense brings them together in one app and enables a safe and resilient online life. Kids build their skills in the Smartphone Experience Game that offers an engaging and scientifically backed learning method. Parents access a Platform, with all the information about the online life of kids they need to know about and with conversation starters to keep the connection in the family.



## Marjolein van Tilburg

Founder & CEO  
[marjolein@chatlicense.com](mailto:marjolein@chatlicense.com)  
+31 6 1422 6480

Our mission? Happy cyber vibes!

### What problem do you aim to solve?

- ChatLicense takes responsibility and collaborates to work on SDG 3 & 4. ChatLicense offers access to education that realizes a media savvy behavioral skill set needed to increase healthy lives and well-being. One of the issues that puts well-being at stake is problematic smartphone usage. Research shows that depression, anxiety and stress are constantly related to smartphone usages. Every year, 150 million kids get their first smartphone without the right guidance. ChatLicense fixes this skill gap and guides both kids and their parents from the moment the smartphone enters a kids' life. Brought to users in an LMS app, as mobile devices are widely available as educational tool all over the world.



## Martine de Leeuw

Co-Founder & CMO  
[martine@chatlicense.com](mailto:martine@chatlicense.com)  
+60 1 2609 1366

### Unique Selling Points:

- Our app includes a unique scientifically backed combination of content to realize media savvy behavior for kids
- We bring kids & parents together in one app: to bridge the knowledge & connection gap and educate about how to be online.
- We work as a social enterprise: mission driven to realize happy cyber vibes around the world. Therefore, partnering and co-creation is a crucial part of our solution.

### Profile of Commercial Contacts Wanted

- B2B companies (telco providers, insurers) that want to make impact on families & online behavior
- Education institutes or EdTech companies that want to team up
- Content companies that can help us localize content.

### ChatLicense

Aert van Nesstraat 45  
3012 CA Rotterdam  
The Netherlands  
[www.chatlicense.com](http://www.chatlicense.com)



# Droonstra

We are specialized in inspecting telco infrastructure with the use of professional drones (compliant with EU legislation), with 10 years of experience we create custom inspection solutions including digital twins, network testing/field strength and LOS measurements and site inspections/reports. We are the leading telco drone inspection company from the Netherlands.



## Kasper Boonstra

Founder & CEO  
+31 6 5514 5194  
[kasper@droonstra.com](mailto:kasper@droonstra.com)

### What problem do you aim to solve?

- We create a more efficient, high quality, cost effective, faster, safer, more environmentally friendly and more accurate solutions to your inspection needs for hard to reach/dangerous places.

### Unique Selling Points:

- Our solutions are tailored to the needs of our clients and are often when incorporated the new standard of inspecting/reporting. We take pride in delivering the highest quality of work and results, from start to finish.



## Maddy Daemen

R&D  
+31 6 1509 2314  
[maddy@droonstra.com](mailto:maddy@droonstra.com)

### Profile of Commercial Contacts Wanted

- We are interested in meeting infrastructure contractors who are looking for a specialized and experienced partner to help them get ahead in the game and offer them our services.

### Droonstra

Marinevliegkamp 356  
2236 ZZ Valkenburg  
The Netherlands  
[www.droonstra.com](http://www.droonstra.com)



## J' Amy Stewart

CEO & Co-Founder  
+31 6 2513 1198  
[jamystewart@ew2health.com](mailto:jamystewart@ew2health.com)



## Renato Romani

CTO & Founder  
+31 6 1248 3753  
[renatoromani@ew2health.com](mailto:renatoromani@ew2health.com)

EW2Health enables Personalized Health with Patented AI-driven Predictive Behavioral Analytic solutions. We start with weight to address the global obesity epidemic due to the significant impact on healthcare costs and the need for personalized health. Sinque™ Revolutionizes weight loss programs by empowering Health Professionals, improving business and weight loss results.

### What problem do you aim to solve?

- 80% of people who start a weight loss program drop out, negatively affecting weight loss and business results. Where are we failing? 140 million people don't want to see numbers (Ostrich Problem) and have an irrational fear of scales (Gravitophobia). Dropouts = lost revenue.

### Unique Selling Points:

- Sinque™ eliminates anxiety and frustration with the ups-and-downs of the scale, intrinsically motivating users to monitor themselves. This empowers health professionals with data they've never had before for Proactive, Personalized support, removing blind spots between appointments, resulting in 5x retention improvement!

### Profile of Commercial Contacts Wanted

- We are interested in meeting Weight Loss Professionals, Workplace Wellness, Health Innovation and Investors

### EW2Health

Wilhelmina van Pruisenweg 35  
2595 AN Den Haag  
The Netherlands  
[www.easywaytohealth.com](http://www.easywaytohealth.com)



**Martine de Gaar**

CEO  
+31 6 1562 1883  
[martine@linksight.nl](mailto:martine@linksight.nl)



**Maarten Everts**

CTO  
+31 6 3175 7070  
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## Link sight

Vlampijpstraat 78  
3584 AR Utrecht  
The Netherlands  
[www.linksight.nl](http://www.linksight.nl)

We are building a world where data sharing and privacy go hand in hand. Valuable insights from data are gained especially if you can combine your data with others' data. But sharing data cannot be done just like that.

Link sight enables setting up easy and secure data collaborations between multiple parties. With our platform you can do privacy-friendly analysis on each other's datasets, without sharing sensitive data. Not with each other, nor with Link sight.

How? Through advanced privacy technology (secure multiparty computation (MPC) / fully homomorphic encryption (FHE) / federated learning) combined with our unique configurable collaboration rules.

### What problem do you aim to solve?

- We provide actionable insights that were not possible before. Insights could be about 1) analyses of interventions or policies based on combined datasets, 2) support data driven decision models that use data from multiple parties and 3) benchmark between organizations.

### Unique Selling Points:

- The special and innovative power lies in the combination of Privacy Enhancing Technologies and data collaboration governance. With Link sight, healthcare organizations set up their own data collaborations. For each data collaboration, they decide who will participate, what rules apply, and what data will be used. This layer of control is called "data collaboration governance." During the collaboration the data always remains at the source. The data you offer for analysis is also cryptographically encrypted before use. It is precisely the unique combination of this encryption and data governance that convinces privacy lawyers.

### Profile of Commercial Contacts Wanted

- Investors in the Health & Government domain and/or deep tech for potential leads, business people (CIO's, CIMO, Innovation manager).



# Lumino.Studio

Unlock the extraordinary with Lumino.Studio!

  kick-ass tele-robotics, powered by XR applications, redefine fun and create a better world. Experience Odd.Bot's groundbreaking solution for mechanical weed removal—tele-robotics with human-in-the-loop AI training for sustainable agriculture. Dive into Project.BB, a BeachBot driven from the metaverse, keeping shores pristine. Or experience any Expert View and gain instant superpowers and knowledge through XR's visual cues and AI support.

Lumino.Studio: Where innovation meets limitless possibilities!



**Martijn Lukaart**

CEO  
[martijn@lumino.studio](mailto:martijn@lumino.studio)

## What problem do you aim to solve?

- Telekinesis, tele-presence, tele-robotics, (mobile) edge (infra) intelligence.

## Unique Selling Points:

- We mix, combine and transfer the real with virtual tele-presence & (mobile) edge (infra) intelligence.

## Profile of Commercial Contacts Wanted

- Telco's, Corporate Innovation Studios, Innovation Hubs and those 5- & 6G killer-app enthusiasts.



**Mark Vincent**

Creative Producer  
[mark@vurtworld.com](mailto:mark@vurtworld.com)

# MantiSpectra



**Kaylee Hakkel**

COO

[k.d.hakkel@](mailto:k.d.hakkel@mantispectra.com)

[mantispectra.com](http://mantispectra.com)

+31 6 2958 7074



**Maurangelo  
Petruzzella**

CEO

[m.petruzzella@](mailto:m.petruzzella@mantispectra.com)

[mantispectra.com](http://mantispectra.com)

+31 6 4556 0385

MantiSpectra presents the Smallest NIR Spectral Sensor module in the World for Material Analysis. It has our patented ChipSense™ technology inside, which is x10000 smaller as compared to existing near-infrared instruments and provides the same accuracy as laboratory analysis. Combined with our advanced AI algorithms it provides fast, accurate, non-Invasive, and contactless analysis of material properties. Engineered for Industry 4.0, our solution offers exceptional Scalability and Customization through Real-Time Near-Infrared Analysis. Explore its applications including Industrial Process Control, Product Recycling & Circularity, Pharmaceuticals, and Smart Agriculture and Next-Generation Consumer devices.

### What problem do you aim to solve?

- MantiSpectra's groundbreaking technology addresses key industry challenges. Our Smallest NIR Spectral Sensor module, featuring ChipSense™ technology, revolutionizes real-time material analysis with a myriad of solutions. It can be used for Process control, Product Recycling & Circularity, Pharmaceuticals, Smart Agriculture and in Next-Generation Consumer devices.

### Unique Selling Points:

- In the framework of Industry 4.0 and the upcoming spectral revolution, our Spectral Sensing Technology is opening new horizons in applications for material analysis with a number of unique distributive advantages: - small size, - robustness since there are no moving elements thanks to the monolithic integration of the semiconductor technology, - real-time fast and accurate material analysis combined with AI algorithms for high accuracy prediction results.

### Profile of Commercial Contacts Wanted

- We are looking for integrators, end-users and investors.

**MantiSpectra**

HTC 9

5656 AE Eindhoven

The Netherlands

[www.mantispectra.com](http://www.mantispectra.com)



OSIND MEDI TECH



## Mohammad Samheel

CEO & Biomedical Engineer  
[ceo@osindmeditech.com](mailto:ceo@osindmeditech.com)  
+31 6 1334 3747



## Ruud Habraken

Director & Operations Manager  
[info@osindmeditech.com](mailto:info@osindmeditech.com)  
+31 6 1403 7163

### OSIND MEDI TECH

De Doorn 63  
5673 LM Nuenen  
The Netherlands  
[www.osindmeditech.com](http://www.osindmeditech.com)

# OSIND MEDI TECH

OSIND MEDI TECH BV pioneers in revolutionizing hand rehabilitation with the HAND IN MOTION (HIM) system. Addressing the challenge of limited access to rehabilitation for stroke patients, we provide an innovative solution comprising the Motor System, Vlinder Orthese, and Osind Web Dashboard. This triad facilitates intensive, personalized hand training at home, bridging geographical gaps and affordability issues.

### What problem do you aim to solve?

- OSIND MEDI TECH BV aims to address the significant challenges faced by stroke patients in accessing intensive hand rehabilitation. The problem lies in limited access to rehabilitation centers, high costs, and the impracticality of current rehabilitation devices. Many patients are unable to continue intensive hand exercises at home, leading to suboptimal recovery, stiffness, and potential disability.
- OSIND's solution, the HAND IN MOTION (HIM) system, empowers patients by providing a mobile and affordable rehabilitation tool. This innovative system enables patients to engage in intensive hand training at home under remote therapist supervision, breaking down geographical barriers and enhancing accessibility to effective rehabilitation. The HIM system targets the critical need for personalized, cost-effective, and location-independent hand rehabilitation, ultimately improving patient outcomes and quality of life.

### Unique Selling Points:

- What sets us apart is the tailored Vlinder Orthese, ensuring comfort and prolonged usage. Collaborating with leading healthcare institutions and clinics, our system is tested, trusted, and aligns seamlessly with Dr. Han Franck's CARAS system. OSIND strives to make hand rehabilitation universally accessible, fusing advanced technology, personalized care, and a unique blend of partnerships for a comprehensive and effective solution.

### Profile of Commercial Contacts Wanted:

- Technology and Innovation partners
- Telehealth and Remote Monitoring Providers
- Investors and Funding Partners
- Distributors and Resellers
- Healthcare Institutions and Providers
- Therapists and Healthcare Professionals
- HealthTech Startups



**Tom Trill**

CEO  
[tom@qualinx.nl](mailto:tom@qualinx.nl)  
+31 6 2510 2203



**Amir Reza Ahmadi  
Mehr**

Co-Founder & SVP of Engineering  
[amir@qualinx.nl](mailto:amir@qualinx.nl)  
+31 6 3429 8289

Qualinx is revolutionizing the semiconductor industry with the world's first ultra-low power, multi-constellation GNSS solution with full reconfigurability. Thanks to patented Digital RF (DRF) technology founded on years of research, Qualinx transforms edge IoT with truly affordable, ultra-efficient and fully reconfigurable solutions. The first-of-its-kind QLX300+ GNSS receiver takes concurrent reception to a whole new level with unparalleled support for all global constellations across both L1 and L5 Bands. With the world's smallest form factor in a GNSS chip and ultra-low power settings, the QLX300+ maximizes the lifespan of device batteries while simultaneously minimizing production and user costs.

#### What problem do you aim to solve?

- As technology evolves, Qualinx's cutting-edge GNSS solutions and software defined radios allow for seamless reconfiguration, eliminating the need for chip replacements and ensuring a sustainable and future-proof solution.
- With this truly transformative ability to adapt, Qualinx empowers partners and customers to save costs, streamline production, and boldly embrace the future without limitations.

#### Unique Selling Points:

- Using patented Digital RF (DRF) technology, Qualinx BV has created the first of its kind, fully reconfigurable GNSS solution with the world's smallest form factor.

#### Profile of Commercial Contacts Wanted:

- Industry professionals & potential customers
- Investors & potential industry partners
- Media/Industry personnel
- Ecosystem supporters/partners
- Competitors

#### Qualinx

Molengraaffsingel 8  
2629 JD Delft  
The Netherlands  
[www.Qualinx.io](http://www.Qualinx.io)



## Dheeraj Adnani

Business Developer  
[deeraj@senseglove.com](mailto:deeraj@senseglove.com)  
+31 6 4584 9281



## Chloë Schrijnemaekers

Marketing Manager  
[chloes@senseglove.com](mailto:chloes@senseglove.com)  
+31 6 3053 4589

SenseGlove develops force and haptic feedback gloves that enable professionals to feel virtual objects and interact with them more efficiently for VR training purposes. SenseGlove's proprietary force feedback technology enables lifelike interactions, allowing to feel size, density and resistance of virtual objects. Unlike controllers, the gloves allow you to hold, push, touch, connect and squeeze the virtual like it's real. This creates a more intuitive and natural way of interacting with objects, enforcing the idea that haptic technology is ideal for training scenarios, where muscle memory is a priority. Every interaction using the SenseGlove makes virtual reality feel like a physical, real-world environment.

### What problem do you aim to solve?

- There is currently a lack of touch and natural interactions in VR. While one can see and hear in virtual reality, there is a lack in stimulating another sense, touch. Replacing traditional controllers with haptic gloves to simulate real life interactions offers an intuitive approach to training and research, rather than the standard controller.

### Unique Selling Points:

- SenseGlove provides a realistic way of interacting with virtual objects. Being able to directly use your hands and follow trainings as you would in reality is the core of what makes the haptic gloves so successful.

### Profile of Commercial Contacts Wanted

- Companies working in segments where physical training is needed for intricate manual procedures/tasks or for research purposes. Such as companies in defense, automotive, robotics and research industries that need to practice a certain operation, which can be done more efficiently with the Nova 2.

### Senseglove

Molengraaffsingel 12  
2629 JD Delft  
The Netherlands  
[www.senseglove.com](http://www.senseglove.com)



# Skinive Skinive



## Kirill Sokol

Chief Operations Officer  
[info@skinive.com](mailto:info@skinive.com)

Skinive proudly aims to enhance healthcare accessibility by simplifying skin tracking and initial diagnosis for both medical experts and patients. Through smartphone cameras and cutting-edge AI, Skinive detects various skin conditions, offering personalized guidance and remote patient monitoring to confidence & beauty in your skin.

### What problem do you aim to solve?

- Regarding the problem we aim to solve, consider the fact that one in two Europeans suffers from skin diseases, and a third of them remain undiagnosed or receive late diagnoses. This is largely due to the inaccessibility of dermatological care, which covers up to 70% of the population.

### Unique Selling Points:

- We differentiate ourselves by making skin diagnosis accessible. Our unique technology allows us to detect the risk of cancer as well as many other skin conditions using a smartphone camera. With a database of more than 1.5 million cases of skin pathologies, we are a pioneer in providing this solution to people of all skin colours.



## Tatyana Ugrinova

Chief Financial Officer  
[info@skinive.com](mailto:info@skinive.com)

### Profile of Commercial Contacts Wanted:

VC; s in Healthcare sector, Potential B2B/B2G clients: Health insurance companies, healthcare providers & institutions, telemedicine services, ministries of healthcare.

## Skinive

Overhoeksplein 3  
1031 KS Amsterdam  
The Netherlands  
[www.skinive.com](http://www.skinive.com)

# Phonecam by SLIMDESIGN



## Wouter Konings

CEO/Design Director SLIMDESIGN  
Founder PhoneCam  
[w.konings@slimdesign.com](mailto:w.konings@slimdesign.com)  
+31 6 4625 5224



## Sam Verlaat

Industrial Designer  
[s.verlaat@slimdesign.com](mailto:s.verlaat@slimdesign.com)  
+31 6 4026 0994

### Slimdesign

Herenmarkt 93C  
1013 EC Amsterdam  
The Netherlands  
[www.slimdesign.com](http://www.slimdesign.com)

SLIMDESIGN, a product design and development company that makes consumer electronics, home appliances, and IoT products, has created PhoneCam™, a body camera for everyone that helps assure safety in a myriad of situations like work, business, and even child and elder care. PhoneCam, is smaller than a classic BIC lighter and has one-button alarm activation and AI-enhanced video equipment, making it a simple solution for individuals and businesses seeking inexpensive accessibility to safety.

### What problem do you aim to solve?

- “Consumers and businesses have had limited access to a wearable camera that could help keep them safe – until now,” said Wouter Konings, SLIMDESIGN CEO and design director. “We aimed to transform the way people perceive and utilize body cameras by introducing a compact, non-threatening alternative to the traditional model. PhoneCam’s sleek, lightweight design houses a powerful, AI-driven body camera, and the wide range of features keep users connected to resources that can help on short notice.”

### Unique Selling Points:

- PhoneCam is a significant leap forward in safety and accessibility of body cameras. Existing body cameras are expensive, larger, and heavier than PhoneCam and require complex service contracts. As a result, they are generally inaccessible to businesses, retail staff, and consumers. PhoneCam is available to everyone, has easy-to-use hardware and software, is small and light, and is also very affordable at \$69 (€69 or £59).

### Profile of Commercial Contacts Wanted

- Safety Security (Google Nest, Xiaomi, Arlo, Blink, Ring, Amazon)
- Action camera's (DJI, GoPro, Insta360)
- Dashcam (Garmin, Mio, ?)
- Body cameras (Axon, Panasonic, Mororola, Reveil)
- Phones (Apple, Samsung, Huawei)



## Hans Leeuwen

Founder & CEO

[hans@token-me.com](mailto:hans@token-me.com)

+31 6 4615 2973



## Leo Elenbaas

Business Development

[leo@token-me.com](mailto:leo@token-me.com)

+31 6 2907 1279

TokenMe, a Dutch wireless tech company, uses wireless and sensor technology to establish secure working environments at construction sites. Employees and visitors at construction sites wear smart badges or helmet tags (tokens) that transmit location, time and movement information. The token data is collected by anchors mounted at strategic locations across the site. The anchors send this information to the TokenMe cloud database, which processes it using AI to provide valuable real-time insights and predictions.

The TokenMe dashboard visualizes data as graphs, lists and maps, giving an overview of task execution, location of materials and equipment, real-time presence of personnel and progress predictions. TokenMe can also use movement and interaction triggers as warnings and alarms to improve workplace security onsite. The system (patent pending) accelerates build times by up to 50% and lowers project cost by as much as 20%, according to TokenMe data.

### What problem do you aim to solve?

- Acceleration build times and lower (construction) project costs by working safer and more efficient.

### Unique Selling Points:

- The TokenMe solution is special because it's working autonomous (without infrastructure), easy to install and cost efficient (savings)

### Profile of Commercial Contacts Wanted:

- We would like to meet with digital innovation executives of Construction Companies, Logistic Companies and (general) contractors for large construction projects.

### Token Me

Wilhelmina van Pruysenweg 35

2595 AN Den Haag

The Netherlands

[www.token-me.com](http://www.token-me.com)



**Olivier Baas**

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+31 6 3046 4883



**Floris Achterberg**

COO  
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+31 6 1506 3017

Villari provides wireless sensor systems that permanently detect crack growth in steel structures using patented technology. Asset owners (bridges, industrial cranes, or port equipment) increasingly spend money on ageing assets for inspection repair and maintenance. With our sensors systems these costs are reduced significantly, while the functional lifetime of the asset is increased.

#### What problem do you aim to solve?

- Overspending on inspection maintenance and repair AND avoiding that steel structures are being replaced too soon due to a lack of accurate information.

#### Unique Selling Points:

- The alternative always requires labour intensive solutions (humans, physical labour) and is therefore costly and induces significant downtime and sporadic results. Being able to capture crack growth data continuously, and very accurately is nonexistent in the world

#### Profile of Commercial Contacts Wanted:

- Sensor companies, engineering firms in the industrial / port / infrastructure sector. End-customers in these sectors (if they are there) and connectivity providers

#### Villari

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## Joris Castermans

Founder & CEO  
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+31 6 5123 4840



## Akash Raj

Co-Founder & CTO  
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+31 6 4928 0150

Worldwide 300 million people suffer from a voice disability or stutter severely. It has a major impact on their daily lives, work and sense of happiness. They also can't make intelligible and relaxed phone and video calls. With Whispp they can! Whispp's real-time assistive voice technology and calling app converts whispered speech (people who stutter severely then speak relaxed) and vocal cord impaired speech (throat cancer, vocal cord paralysis, ALS) into a person's clear, natural voice.

### What problem do you aim to solve?

- For people with a voice disability and people who stutter severely, communication - a fundamental aspect of human existence - becomes a daily challenge leading to social isolation and in many cases feelings of inadequacy and depression. With Whispp they can express themselves better and easier which enhances their quality of life and allows them to participate more fully in society.

### Unique Selling Points:

- Big tech and assistive speech tech companies predominantly focus on Automatic Speech Recognition (ASR), also known as speech-to-text (STT) for non-standard speech. This is very helpful for patients with reduced articulation (ALS, MS, stroke and Parkinsons Disease) who can use the speech-to-text to synthesize their speech. The disadvantage of this STT-TTS approach is the high latency of 2-3 seconds which creates barriers to natural conversation. With this, the current AI speech technology solutions are not able to cater an adequate solution for people with voice disorders who lost their voice but still have good articulation. With its real-time assistive voice technology Whispp created a new product category and fills this gap to improve the lives of a currently underserved group of 300M people worldwide.

### Profile of Commercial Contacts Wanted:

- Whispp is actively seeking collaborations with telecommunication companies like Mobile Network Operators, CPaaS providers and videoconferencing platforms to integrate Whispp's technology into their services. These collaborations aim to provide enhanced communication solutions for customers with voice-related challenges, ensuring clear and accessible voice communication.

### Whispp

Langegracht 70  
2312 NV Leiden  
The Netherlands  
[www.Whispp.com](http://www.Whispp.com)

# Partners and organization



# Ministry of Economic Affairs and Climate Policy



Mw Micky Adriaansens  
Minister of Economic Affairs  
and Climate Policy



Mr Jos de Groot  
Dept Director-General  
Economy and  
Digitalisation  
[j.c.degroot@minezk.nl](mailto:j.c.degroot@minezk.nl)

Ministry of Economic Affairs &  
Climate Policy

Bezuidenhoutseweg 73  
2594 AC Den Haag  
The Netherlands

[Ministry of Economic Affairs and  
Climate Policy | Government.nl](#)

## Profile:

The Netherlands is a great place to live, work and do business. This is made possible, in part, by the digital transition our society and economy are undergoing. Digitalisation creates the jobs and services of the future and is indispensable in the climate transition and ageing society. The Netherlands is among the best performing digital economies in Europe and is excellently positioned to capitalise on the opportunities created by digitalisation. Opportunities for a more competitive, productive, resilient business community as new products, services, markets and applications emerge. Opportunities for future earning capacity, prosperity and solutions to a variety of societal issues, through the development and application of digital technologies such as artificial intelligence (AI) and Quantum. And opportunities for our business climate, by having a secure, reliable and high-quality digital infrastructure. There are however urgent bottlenecks for a successful digital transition and which require substantial investments, close collaborations and the creation of the right prerequisites. In order to continue to reap the benefits of the digital transition and to secure future Dutch welfare, we need to work towards a resilient, entrepreneurial, innovative and sustainable digital economy. An economy in which everyone in the Netherlands can participate, in which we encourage and embrace opportunities, in a way that safeguards our public values. We want to pursue this, together with the business community, knowledge institutions, civil society organisations and other government authorities.

## Mission for MWC:

The MWC is *the* place to engage effectively and visibly in the European debate on telecom and digitalisation policies and actions. The presence of our Minister at the Mobile World Congress is a testament to the value we attach to the event. It offers a great podium for Dutch entrepreneurs and research institutes to showcase their cutting edge research and innovations in telecom and other digital technologies at our NL pavilion. One such example is the Future Network Services project, a public-private consortium focused on researching and developing next-generation communication networks, especially 6G. Moreover, MWC enables our Ministry to:

- Get the latest insights on future developments in the international R&D on telecom and other digital technologies;
- Discuss with key stakeholders from policy and industry the European state of play and future directions; and
- Explore opportunities for new international cooperation.

# Topsector ICT



**Frits Grotenhuis**

Director Topsector ICT  
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ICT is becoming a more and more important driver for innovation in the Dutch economy. At the same time, digital innovations also play a vital role in overcoming the issues facing society: providing affordable healthcare, safety and the energy transition, for example.

This is why Topsector ICT has been designated one of ten Top Sectors in the Netherlands.

## Profile:

The Netherlands is one of the world's foremost digital economies. Many households have a PC, tablet and smartphone as well, and both physical and mobile networks are highly developed. Almost every single company in the Netherlands works online, and the national Internet servers are among the most secure in the world.

## Connect and Create:

ICT is vital to every single sector of the economy. Each sector of the economy, and each Top Sector, faces its own particular ICT challenges. At the same time, many of those challenges are connected. The mission of Top Sector ICT is to help companies, government agencies and knowledge institutions to realise ICT innovations through knowledge exchange and closer cooperation. Top Sectors are areas where Dutch companies and research centres are among the world leaders. Companies, universities, research centres and government agencies are working together to develop knowledge and innovations to reinforce that position, and so improve the Dutch position in the international arena for digital innovation.



**Tijs Koops**

Program Manager  
Internationalisation  
Tijs.koops@topsector-ict.nl

The digital economy is therefore a key pillar for the present Government, which now for the first time includes member whose portfolio includes digitalisation. The ICT sector has been outperforming the average for the Dutch economy for years, and digitalisation is a key driver of economic growth.

Topsector ICT

communicatie@topsector-ict.nl



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**Anke Kuipers**

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## Profile:

In a world shaped by technology, collaboration is the key to unlocking disruptive and sustainable innovations. Ecosystem Services (ES) leads the charge, encouraging companies to break free from their silos and engage with diverse ecosystems.

ES designs visionary programs, uniting public and private organizations to tackle challenges collectively. We serve as programmakers and facilitators, guiding collaborations toward shared, well-defined goals and results, believing in the transformative power of collective intelligence.

Our mantra, "Those who want to be relevant tomorrow must work intensively together today," drives our commitment. With a proven track record in (mobile) connectivity and digitalization, ES annually convenes the Dutch connectivity ecosystem at MWC Barcelona, showcased in the NLMWC program and bringing together the best innovations and companies the Dutch Connectivity ecosystem have to offer.

Join us at MWC Barcelona in shaping a future where collaboration is the catalyst for progress. At ES, we pioneer change, navigating towards a horizon of endless possibilities.

## Mission for MWC:

MWC24 marks the 8th edition of ES organizing The Netherlands pavilion and program. Our mission at MWC24 is to ignite a 'Connected Future Together.' We are dedicated to actively championing sustainable digital transformation, placing the remarkable exhibitors spotlighted in this booklet at the forefront. By uniting the ecosystems of public and private organizations, our goal is to propel progress toward a sustainable and inclusive future.

Our comprehensive program includes content talks, government tours, Knowledge missions on private wireless networks, sustainability, and an engaging evening program for networking and active matchmaking. We are committed to ensuring that all participants extract the maximum value from their involvement — be it new business opportunities, fortifying existing relationships, forging fresh (international) collaborations, gaining new insights and inspirations, and, above all, having a lot of fun!

**Ecosystem Services**

[www.ecosystemsolutions.nl](http://www.ecosystemsolutions.nl)

ES is unwavering in our commitment to making a lasting impact, powering a connected and sustainable future together!

# Netherlands Business Support Office Barcelona



## Lotte Engels

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## Araba Strampel

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### Profile:

Netherlands Business Support Offices are trade offices of the Dutch government abroad and focus on trade and investment promotion. The core business of NBSOs is supporting Dutch companies in their activities in markets that are extensive and promising.

For example, does your company want to export or establish a company abroad? Are you looking for market information or business partners? The NBSOs help you do so.

In this, they work closely with the Rijksdienst voor Onderneming Nederland (RVO), Embassies and Consulates. NBSOs have an excellent regional network and are therefore able to provide you with the right information quickly. Moreover, NBSOs have good contacts with the regional government in the country.

In Spain, there is an NBSO in Barcelona, which focuses on the Spanish autonomous regions of Catalonia, Valencia, and Aragón for business services.

### Mission for MWC:

NBSO Barcelona is partner to the NL-mission to MWC/4YFN 2024. If you have questions about the Spanish market or you are looking for specific contacts in Spain, please feel free to contact us for individual support via [info@nbsso-barcelona.com](mailto:info@nbsso-barcelona.com).

### NBSO Barcelona

Av. Diagonal, 611, Les Corts,  
08028 Barcelona  
[www.handelmetspanje.com](http://www.handelmetspanje.com)

## Profile:

The Netherlands Point of Entry is the first stop for international talent looking to work or set up a business in the Netherlands.

Powered by the Netherlands Enterprise Agency and the Ministry of Economic Affairs and Climate, our team is there to help you expand your business, build your startup or kickstart your career in the Netherlands.

We will provide international founders with support on legal procedures, financial requirements and the process of applying for a visa.

## Mission for MWC:

We will attend MWC and 4YFN to inform all international companies and tech talent about the Netherlands as their next destination in their career. We aim to showcase the workplace culture, our thriving business climate and give a snapshot of life in the Netherlands. Different visa regulations can help these ambitious entrepreneurs and talent to start their career in the Netherlands. We will provide information about:

- The opportunities to expand the startup or scale-up to the Netherlands. The Dutch Startup Visa might be the perfect way to start a business in the Netherlands.
- Attract and hire international talent as a start-or scaleup via the Key Employee Permit. This ruling is especially for startups to attract tech talent for their growing team.
- The startup ecosystem in the Netherlands.

As part of the Dutch delegation, we are always happy to help the Dutch companies who join MWC. So, if you've any questions about one of the visa regulations or talent attraction, feel free to reach out!



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### InnovationQuarter

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[www.digitalzh.nl](http://www.digitalzh.nl)

### InnovationQuarter

InnovationQuarter is a regional economic development agency for the region Zuid-Holland in the Netherlands. We operate at the crossroads of regional development and international collaboration and our commitment is threefold.

First, we nurture local innovative businesses, fostering communities of growth in sectors like Maritime, Energy & Chemistry, Digital Technology & Cybersecurity, High Tech & Aerospace, Horticulture & Food and Life Sciences.

Second, we assist foreign companies seeking to establish themselves in our unique delta region, strategically integrating them into our ecosystems and business sectors. Our mission is to foster collaboration, connect and drive innovation, creating an environment where both local and foreign businesses can thrive.

Our strength also lies in being an impact investor with € 300 million in funds under management that empower us to invest in and support local enterprises. Beyond this, we help our portfolio companies scale up and expand internationally through our internationalization programs. Our approach involves orchestrating focused trade missions for companies operating in similar sectors, designed to ease their access to new global markets.

### Digitalzh

Digitalzh represents more than just technological progress; it involves locally marketing digital solutions that address local, regional, national, and ultimately global challenges. By collaborating with other market players and organizations, the digital transformation is not only strengthened locally but also internationally.

### Mission for MWC

By participating in events such as 4YFN in Barcelona, we aim to showcase our innovations to an international audience. Sixteen entrepreneurs, elevating their local innovations, grow alongside like-minded partners abroad, united by a shared passion for progress. Through a showcase of technological innovation, we bridge the gap between local needs and global solutions. As a regional European Digital Innovation Hub, we facilitate connections between companies and innovators across Europe.

Digitalzh



Medegefinancierd door  
de Europese Unie

# Enterprise Europe Network



## Niklaas van Hylckama Vlieg

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The [Enterprise Europe Network](#) (EEN) is the largest support network for small and medium enterprises with international ambitions. Initiated by the European Commission it is represented by over 450 network partners in more than 50 countries worldwide. The network partners help their regional companies accessing international markets in Europe and beyond. EEN matchmaking events and the [EEN partnering opportunity](#) database are important tools in connecting companies to foreign business -, innovation- and research partners.

In 2022 InnovationQuarter, the regional development agency of the province of Zuid-Holland, became partner in the Enterprise Europe Network with a focus on digital technology (incl. cybersecurity) and aerospace.

### Mission for MWC

To further strengthen the Dutch representation on 4YFN and MWC by unlocking the opportunities the Enterprise Europe Network offers. Most important opportunity is the [MWC Open Innovation Challenge 2024](#). This EEN matchmaking event offers over 40 innovative challenges of international corporates such as Rabobank, Volkswagen, Veolia, Samsung and Fujitsu. By registering the Dutch SME's can apply for a meeting with these corporates to present their solutions. In addition, together with other foreign EEN-colleagues present, exchange with their pavilions will be boosted.

### Innovation Quarter

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To learn more on how The Netherlands is cooperating with its international counterparts:

Visit [NL Platform](#) or follow us on [LinkedIn](#)



Netherlands

