



POWERED BY



CONNECTIVITY ENABLES PROSPERITY



“1 billion children have had school disrupted because of coronavirus, U.N. Chief says.”

Source: TIME Magazine

“President Joe Biden [...] called on Congress to spend \$65 billion over eight years to expand high-speed broadband access to the entire United States.”

Source: Reuters



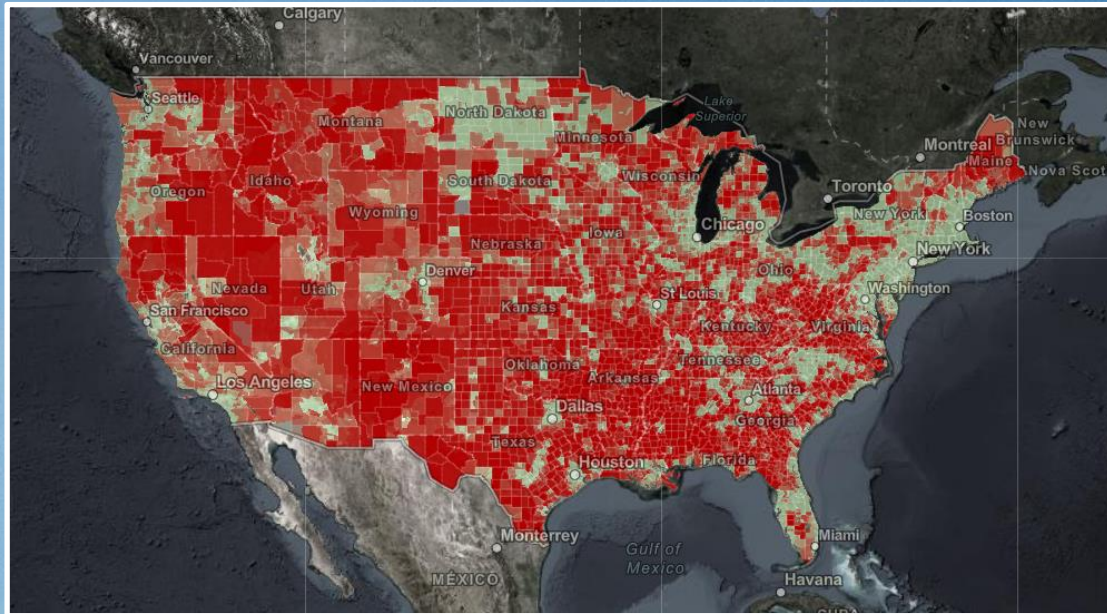
According to UNESCO, 40,5% of households worldwide still have no access to the internet.



THERE IS A HUGE PART OF THE WORLD STILL UNCONNECTED

Broadband need in the USA, 2021.

Source: White House



Fiber optics coverage in Germany, 2021.

Source: Wingas-lwl



President Joe Biden signs **\$65 billion** bill to expand high-speed broadband access

Germany approved a bill of **€2.4 billion** in 2018 to improve internet across the country

CONNECTIVITY SOLUTIONS CANNOT GO THE DISTANCE



Capital Intensive
(20-50k per km)

Long time to rollout
(avg. 4 months for
planning, permits,
digging)

Often not feasible
(e.g. Last-Mile issues;
Rural)

Governmental
Regulated
Spectrum

Affected by
Interference

High Power Usage

Max. range 2.5 km at
10 Gbps



E-band (Radio frequency)



FREE SPACE OPTICS (FSO) WILL BE THE STANDARD IN SPACE

High Bandwidth

Long Range

Low Latency

High Security

Low TCO

High Power Efficiency



WE BRING SPACE GRADE TECHNOLOGY TO PLANET EARTH



//////AIRCISION

Fast Deployment (6 hrs.)

Long Range (5 km+)

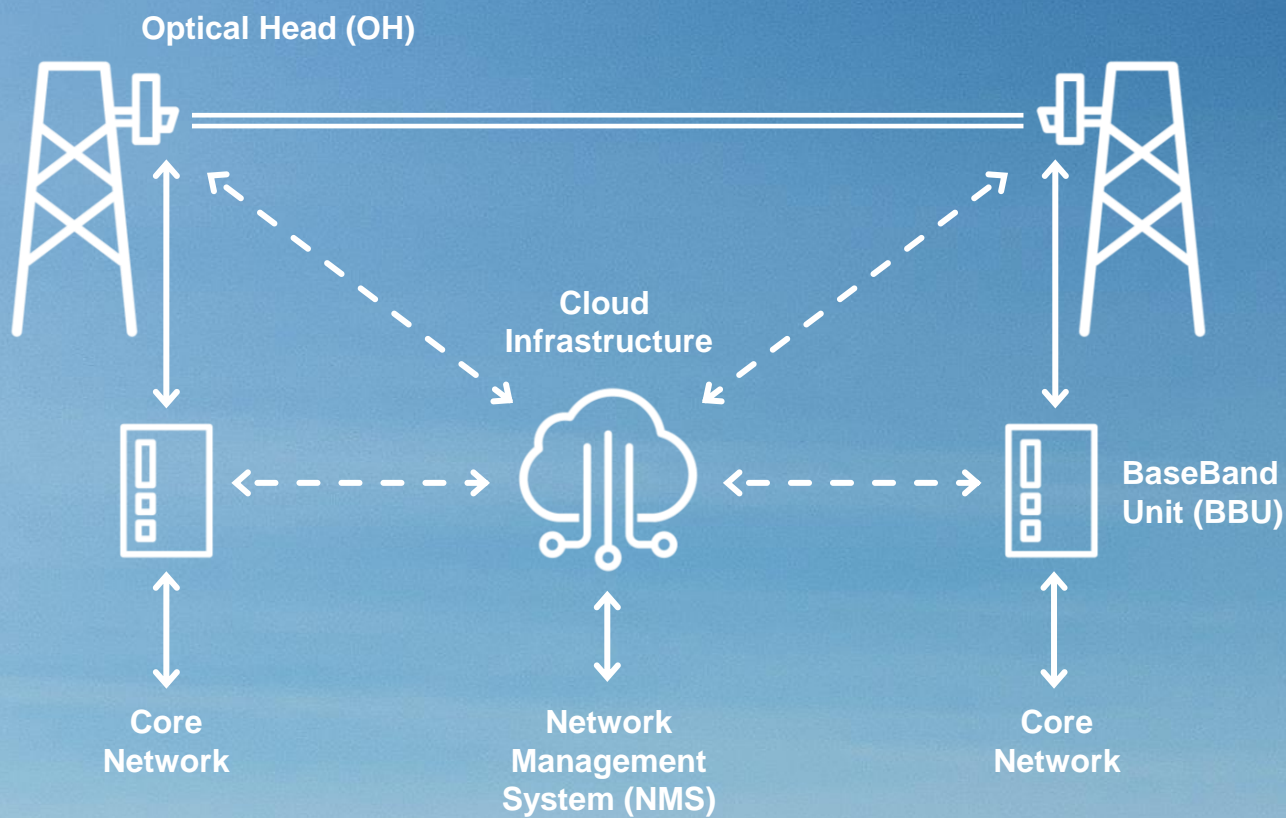
High Bandwidth (10 Gbps+)

Lower TCO

Power Efficient

//////AIRCISION

FUTURE PROOF MODULAR PLATFORM



Technical Capabilities

Enabled by

Long range
(5-10 km)



Proprietary world-class alignment system

High bandwidth
(10-1000 Gbps)



Coherent Optical System *
including Integrated Photonics

Fast Deployment
(<6 hrs)



No Licenses, plug-and-play, Fast Link Acquisition system

WHY YOU NEED OUR SOLUTION



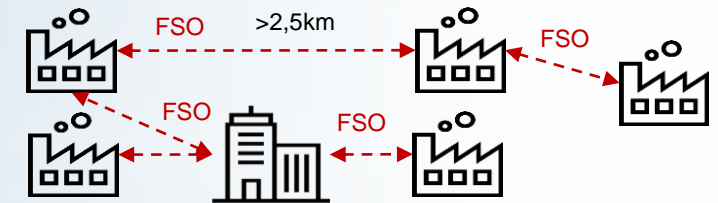
Broadband (Backhaul)

Need for high bandwidth systems that can reach fiber access point located more than 2,5km away



Enterprise Networks (5G)

Need for dedicated high bandwidth systems that can keep data secure within private network






Temporary connectivity

Need for secure, high bandwidth systems that can be quickly setup and reach fiber access point located more than 2,5km away



AIRCISION HAS A UNIQUE POSITIONING IN THE MARKET

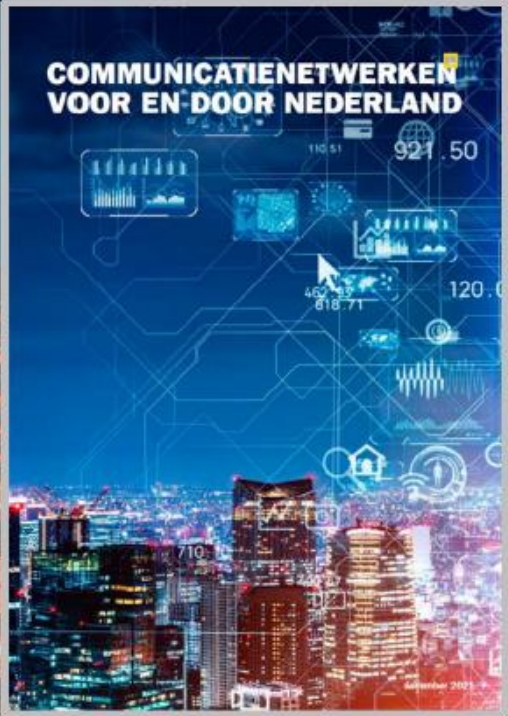
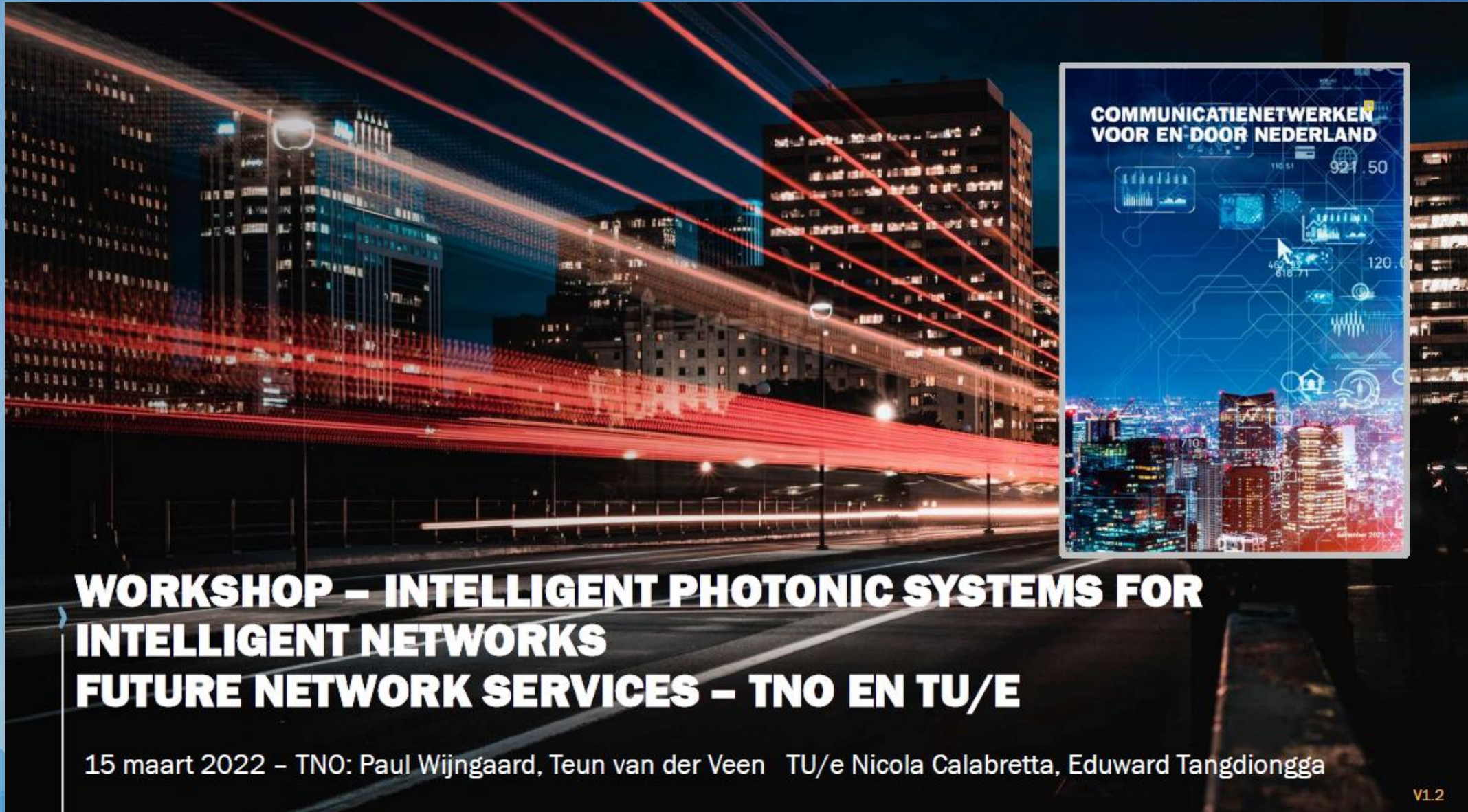
	 TRANSCESTIAL	 BRIDGECOMM, INC.	Google	 AIRCISION
Product			TAARA	BLACKBIRD
Distance (up to; km)	2.5	Unknown (lab tested only)	5	5
Bandwidth (Gbps)	10	100	3.2	10
Main focus	4G/5G Networks and Satellite	5G Networks	Rural Backhaul	Rural, Enterprise Networks and rapid deployment

ACCESS TO DECADES OF FSO EXPERIENCE AND INVESTMENT



TKI BackCAT (Sep 2020)
Opt. Wireless SuperHighways (Jun 2021)
Nationaal Groeifonds (Jan 2022)

Beginning of National Groei Fonds proposal – National Roadmap



**WORKSHOP – INTELLIGENT PHOTONIC SYSTEMS FOR
INTELLIGENT NETWORKS
FUTURE NETWORK SERVICES – TNO EN TU/E**

15 maart 2022 – TNO: Paul Wijngaard, Teun van der Veen TU/e Nicola Calabretta, Eduward Tangdiongga

V1.2

CURRENT TEAM



Luís Oliveira

CEO



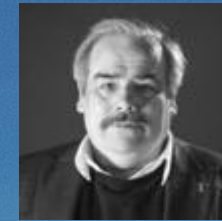
Eric Dansereau

CBO



Daniele Raiteri, PhD

CTO



John Reid, PhD

Scientific Director



Betsy Lindsey

CFO



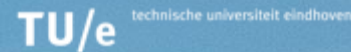
Edzard Janssens

CMO



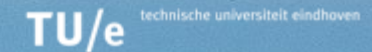
Bas van der Wielen

Optics Engineer



Nourdin Kaai

Mechanical Engineer



Karl Kirschenhofer

COO
(at next funding)



Rob Hughes

CSO/Advisor
(at next funding)



Remco Den Breeje

Lead System
Engineer
(at next funding)



Charlotte Groothuis

Optical Engineer



ADVISORS



Dr. Anastassia Lauterbach

Venture investor and board member of public and private companies, former SVP of Deutsche Telekom and Qualcomm Europe. Professor of AI, Data and Data Ethics at the XU University of Applied Sciences Potsdam



Herbert Merz

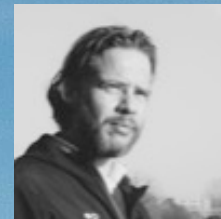
Former President and CEO RFS Systems, sold to Nokia
Previous Experience: Coriant, Nokia TU Munich, Master's in Electrical Engineering

NOKIA



Rob Wolters

Managing Partner, i4Things, Startup
Previous Experience: Ericsson, Key Account Management, KPN, Vodafone. TU Eindhoven, London Business School, Master's Electrical Engineering



Guus Frericks

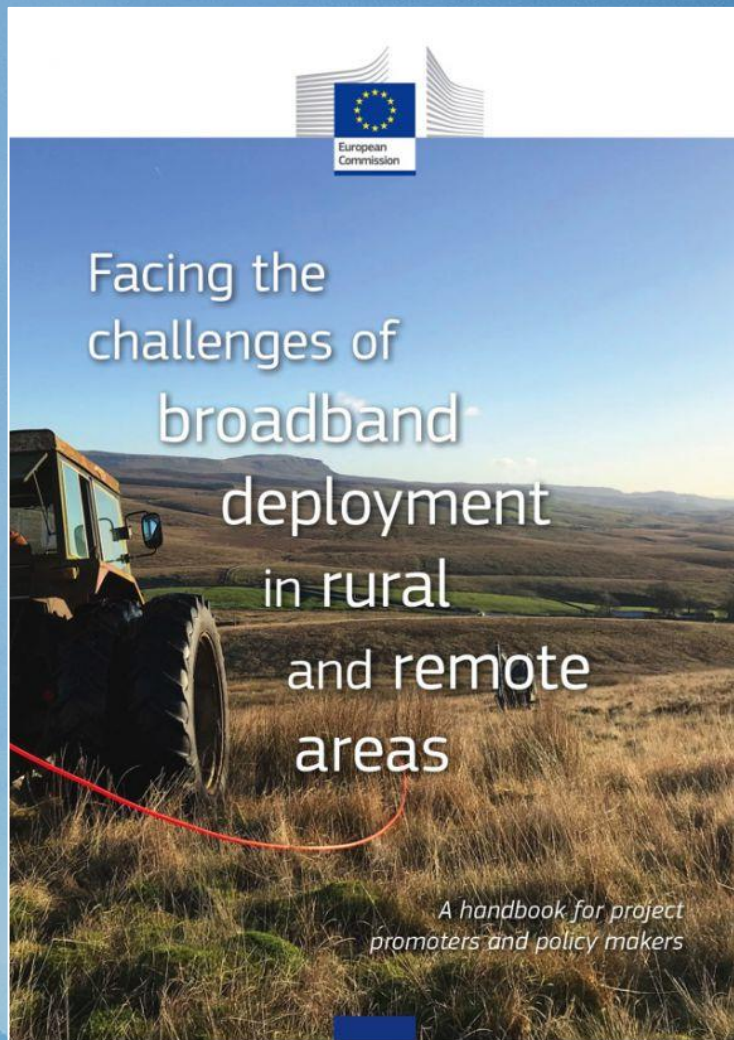
Entrepreneur, investor and international business leader with vast experience in high-tech industries; Founder of HighTechXL and Managing Director of DeepTechXL

**HIGH
TECH XL**

NP

**DEEP
TECH XL**

OUR MISSION IS TO IMPROVE ACCESS TO CONNECTIVITY



SUSTAINABLE
DEVELOPMENT **GOALS**

9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE





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