

IoT WebTalk

REACHING NEW HEIGHTS

The Future Role of Mobile Networks in Aviation and Drones

Tuesday, 15 December 2020 | 10:00 EST | 15:00 GMT | 16:00 CET

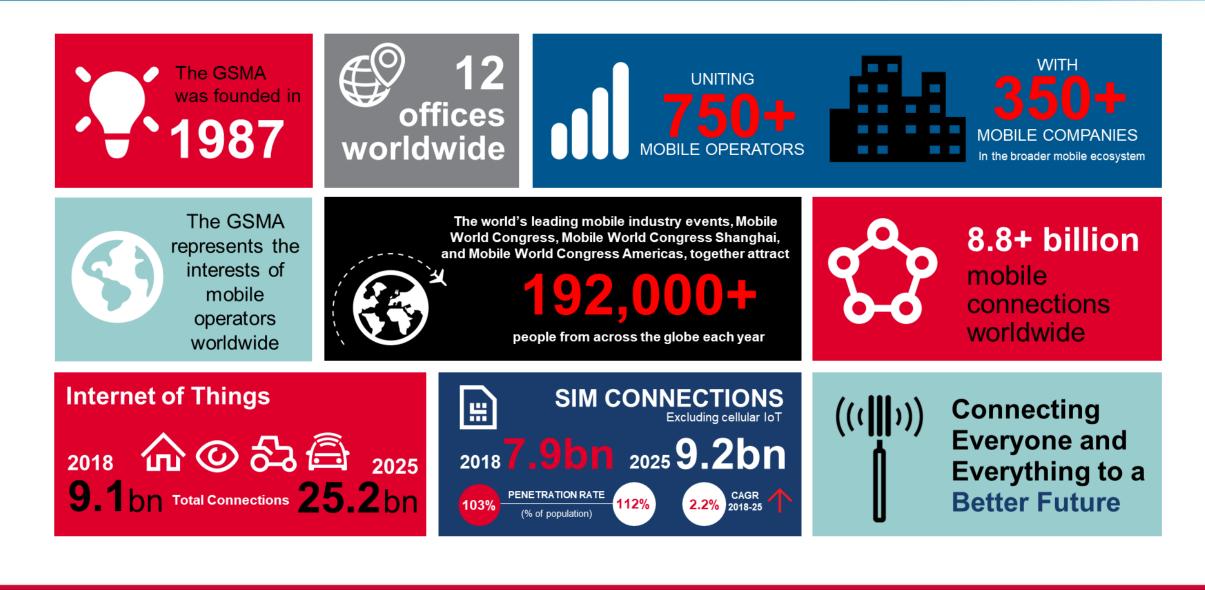




5 min	Introduction: The Future Role of Mobile Networks in Aviation and Drones	Barbara Pareglio, Senior Director, IoT Technology, GSMA
1 min	Keynote: Commercial Drone Market Insights, Trends and the Evolution of Drone Connectivity	Hendrik Bödecker, Founder and CFO, Drone Industry Insights
		DRONEII.COM DRONE INDUSTRY INSIGHTS
35 min	Interactive Panel Discussion and Live Audience Q&A	Moderator: Barbara Pareglio, Senior Director, IoT Technology, GSMA Hendrik Bödecker, Founder and CFO, Drone Industry Insights Andreas Perotti, Chief Marketing Officer, Europe, EHang Daan van Dijk, Innovation Consultant, KPN
		Jef Geudens, Head of Technology & Flight Ops, Skyports
		DRONE INDUSTRY INSIGHTS CHANG I ZAR EH Nasdaq Listed KPN Skyports
		GSMA Internet of Things











Drones Interest Group (DIG)

Over 50 organisations participating from the mobile and aviation industry, focused on **mobile connectivity deployment to support commercial** UAVs

Aerial Connectivity Joint Activity (ACJA)

An initiative between the GSMA and GUTMA to build communication and cooperation between the aviation and mobile industries













Search and rescue supported by drones on a cellular network



How Cellular Technology Enables Anti-Forest Fire Drones



Telefonica



Beyond Visual Line Of Sight Platform by KPN and TEOCO



Al-enabled Drones for Object Recognition in Multiple Settings



Dynamic No Fly Zones



www.gsma.com/aviation



Hendrik Bödecker

Founder and CFO **DRONEII**

Commercial drone market insights, trends and the evolution of drone connectivity





© DRONE INDUSTRY INSIGHTS 2020 |

Hendrik Bödecker Co-Founder of Drone Industry Insights hendrik.boedecker@droneii.com

COPYRIGHT

Product & Service Portfolio



"The value I've received from the reports is incredible."

- Matt Dunlevy, CEO SkySkopes

Publications & Products

- Industry White-Papers
- Drone Market Reports
- Databases and Lists
- Company Rankings
- Free Blogs

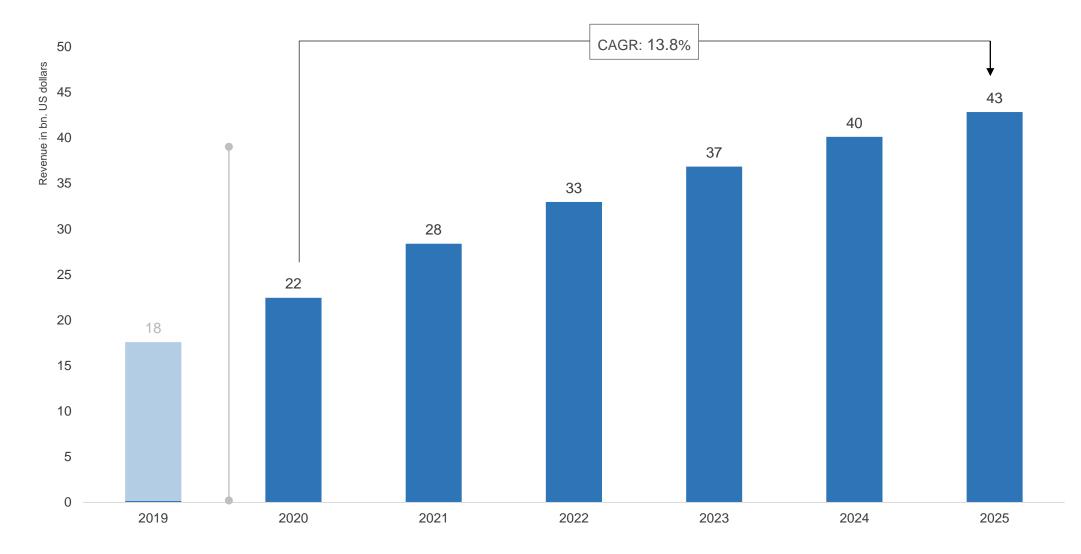


Services

- On-demand Market Research
- Business and Regulatory Advisory
- Go-to Market Strategies
- Commercial Due Diligence
- Competitive Intelligence



Drone Market Size & Forecast 2020-2025

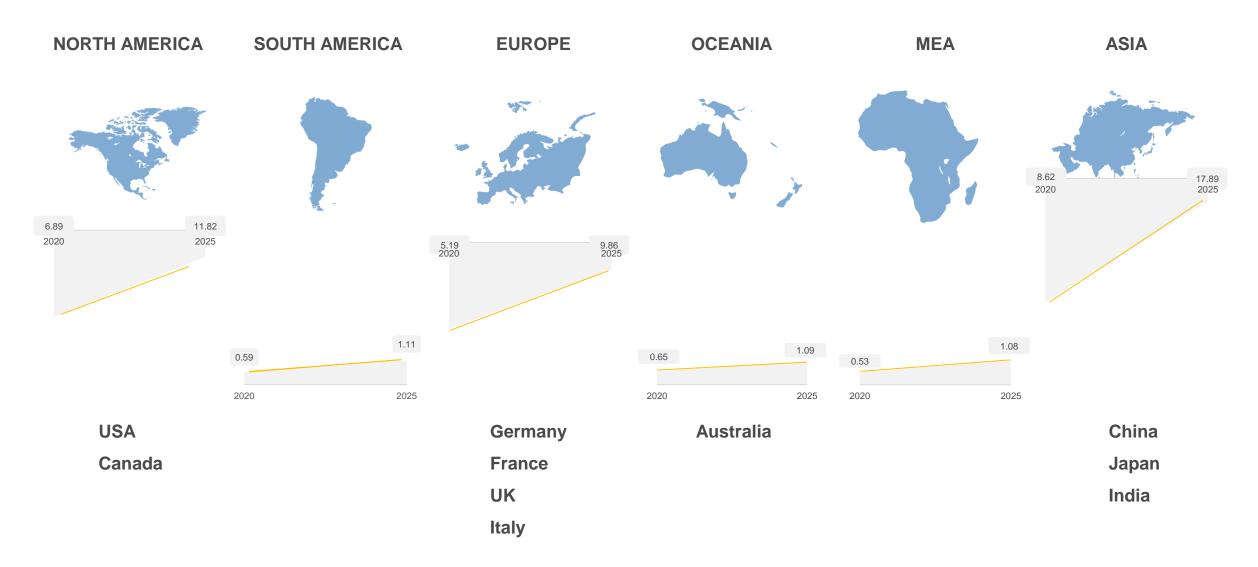




Source: Drone Market Report 2020 (c) by Drone Industry Insights

UNC2020

Drone Market Size & Forecast per Region

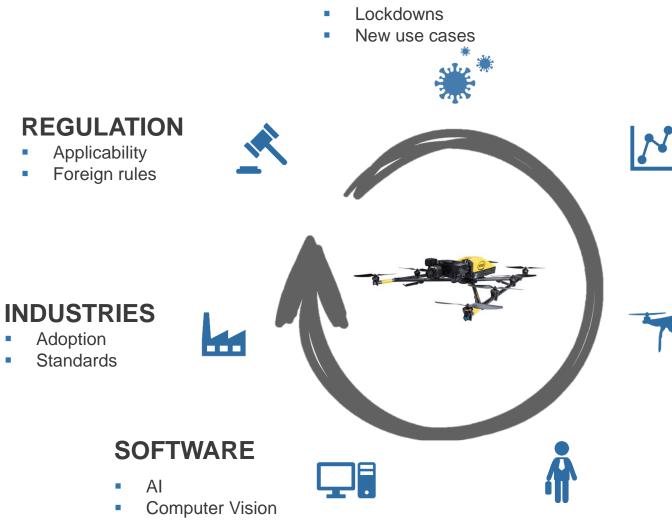




Source: Drone Market Report 2020 (c) by Drone Industry Insights

Market Dynamics and Trends





GENERAL

- Increasing Degrees of Automation
- Increasing Connectivity
- Cross Vertical Technology Transfer

HARDWARE

- Technology
- Product Lifecycle

SERVICES

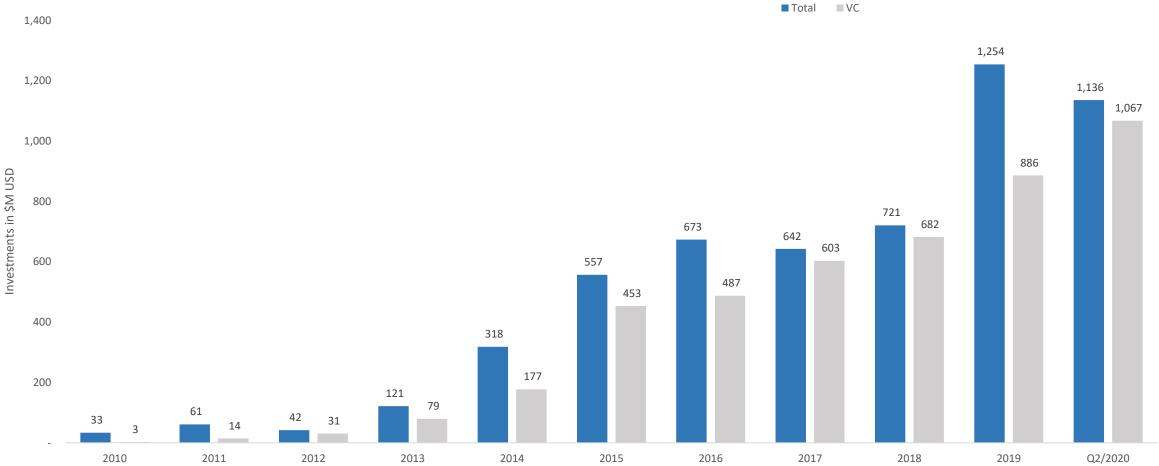
- Regulation
- End2End solution



Source: Drone Market Report 2020 (c) by Drone Industry Insights

DRONEII.COM

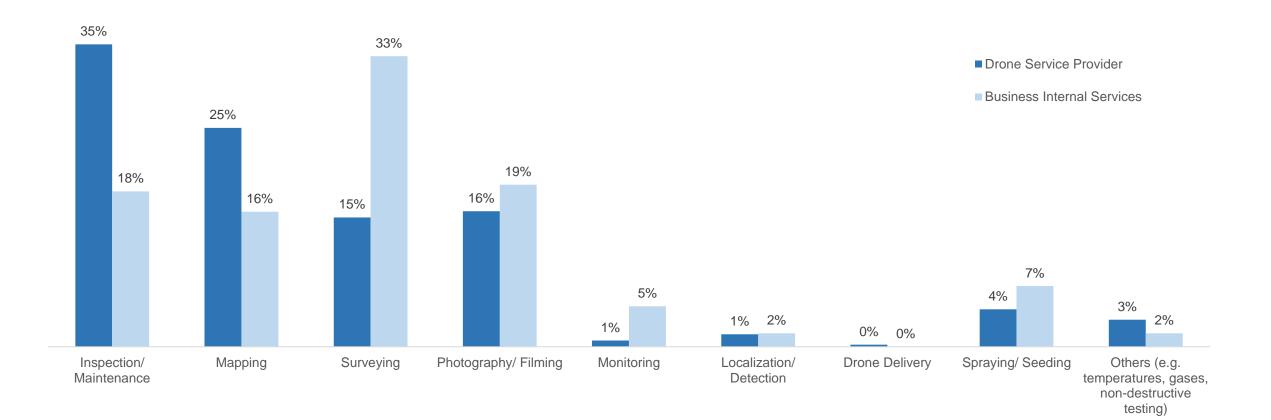
How much was invested?





Source: Droneii.com Investment database (c) by Drone Industry Insights

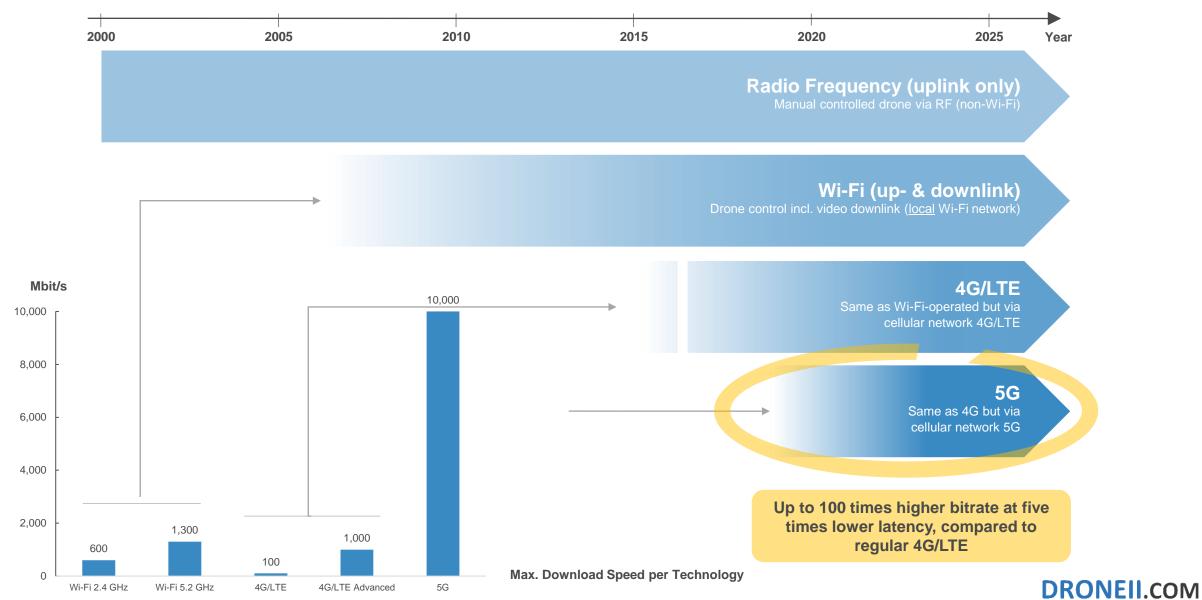
How companies use drones?





Source: Drone Industry Barometer 2020 (c) by Drone Industry Insights

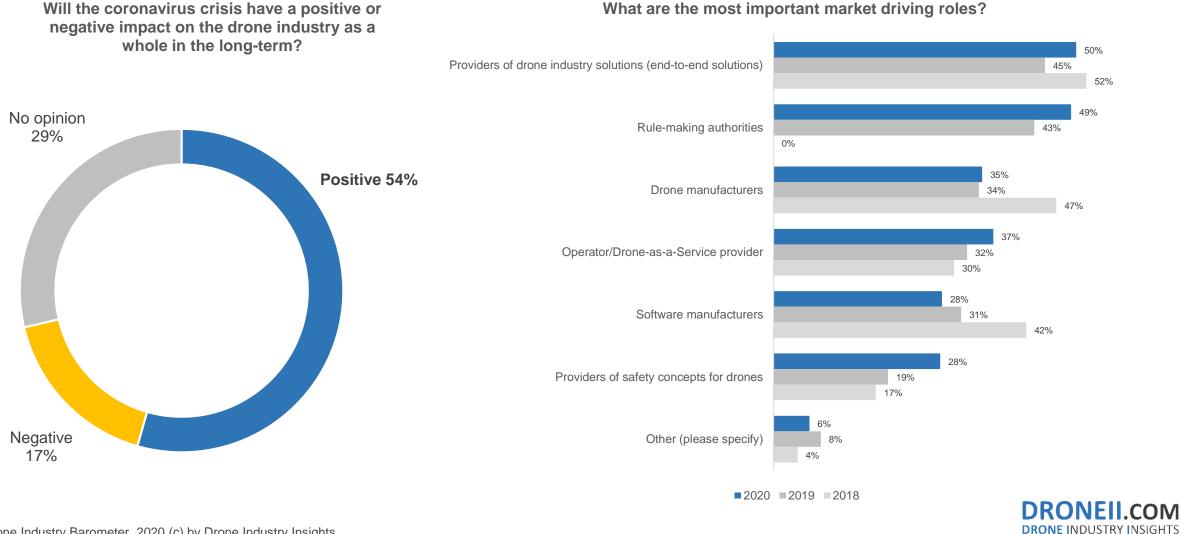
The Evolution of Drone Connectivity and the Role of 5G



Source: DRONEII.com

DRONE INDUSTRY INSIGHTS

Coronavirus - more opportunity than threat



What are the most important market driving roles?

Source: Drone Industry Barometer 2020 (c) by Drone Industry Insights

quoted in:



The New York Times



brandeins ^{Wirtschaftsmagazin}







Copyright © 2020 DRONEII.COM. All rights reserved. The information contained in this presentation is proprietary to DRONEII.COM and is disclosed in confidence. The presentation and the information contained herein shall be kept strictly confidential and shall not be used, disclosed to others or reproduced without the express written consent of DRONEII.COM. Nothing contained in this publication shall constitute any warranty, guarantee or liability for DRONEII.COM and affiliates but is for information purposes only. Accordingly, DRONEII.COM and affiliates neither expressly nor conclusively accept responsibility or liability for the actuality, accuracy and completeness of the statements and information contained in this publication.



trusted by:



UNC2020

statista 🔽



Andreas Perotti

Chief Marketing Officer, Europe EHang

CHANG | (24 EH | Nasdaq Listed

















MARKAN

1

.

.

TTTTTT

Thank you

國制

#yeswefly

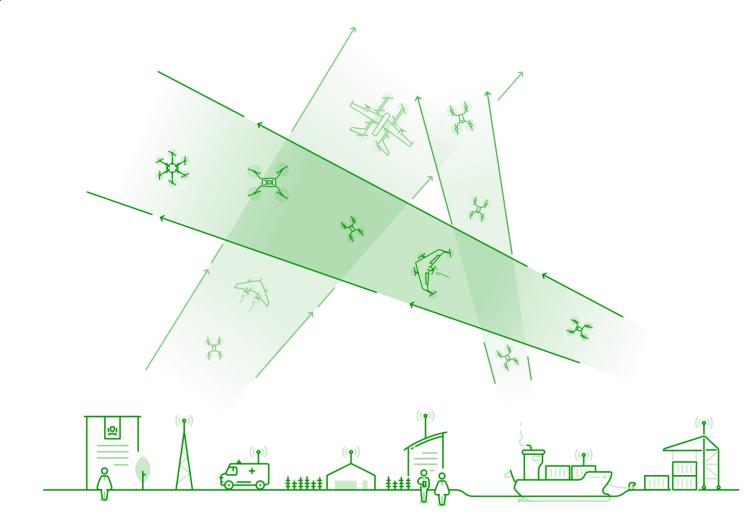


Daan van Dijk

Innovation Consultant KPN

A SKY FULL OF DRONES

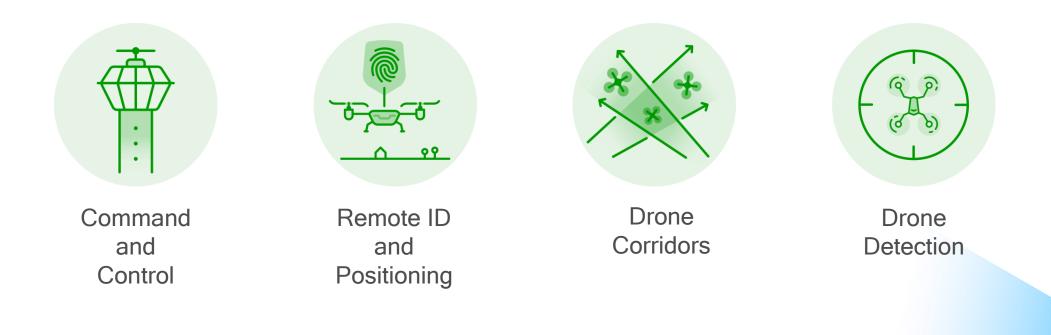
We support safe, efficient and integrated drone operations in Dutch lower airspace



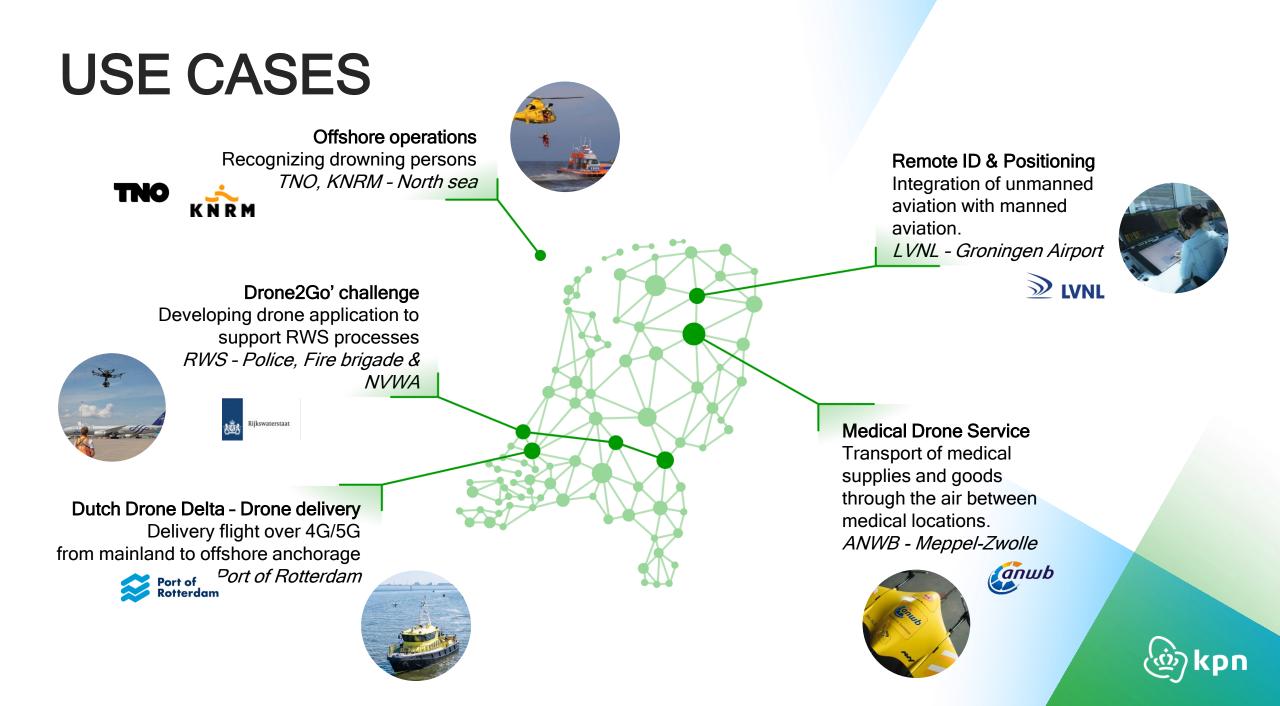


CONNECTIVITY ENHANCES LOWER AIRSPACE

Bridging the gap between telecom and aviation through 5G connectivity









Jef Geudens

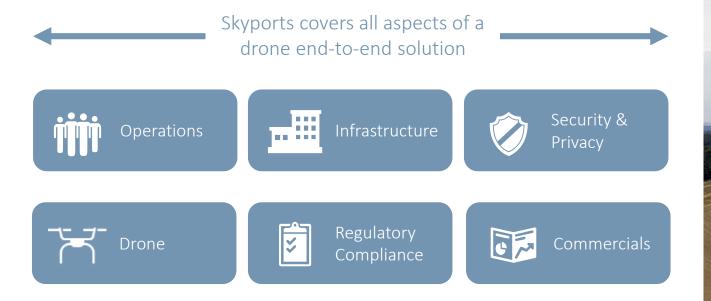
Head of Technology & Flight Ops, **Skyports**

Skyports

develops, implements and operates end-to-end drone deliveries overcoming inefficiencies associated with traditional transportation methods within the medical, ecommerce and logistics sectors



Skyports is a cargo delivery one stop shop service provider



Skyports is a drone operator not a manufacturer. We choose the right vehicle for the mission and take care of all aspects of the end-to-end drone solution

We are committed to operating to the highest standards of safety





NHS COVID-19 RESPONSE

Skyports executed on the UK's first medical drone deliveries during the COVID-19 pandemic, transporting medical cargo between the Scottish mainland and an island 17km away.

- Purpose provide a fast and frequent service for the NHS to assist in the COVID testing regime establishing feasibility for future NHS drone projects
- Flights 17km BVLOS (Beyond Visual Line of Sight) flights operating in segregated airspace in rural Scotland between Oban Hospital and Isle of Mull Craigmure Hospital
- Partners NHS end user. Thales provided SOARIZON mission planning tool and assisted with Operational Safety Case

Outcome

- 1 week project
- 40 BVLOS flights
- 900km travelled
- 240kg of rapid payload capacity created
- Data produced to move into phase 2 of project – 3 months of flying in Q3/Q4







DRONE INDUSTRY INSIGHTS

CHANG | (24) EH | Nasdaq Listed

















Hendrik Bödecker

Founder and CFO, Drone Industry Insights

Andreas Perotti

Chief Marketing Officer, Europe, EHang Daan van Dijk

Innovation Consultant, KPN **Jef Geudens**

Head of Technology & Flight Ops, Skyports PANEL MODERATOR Barbara Pareglio

> Senior Director, IoT Technology, GSMA



 To find out more about our Connectivity for Aviation project visit <u>www.gsma.com/aviation</u>

Contact us at <u>drones@gsma.com</u>

Thank you!

