



Lapin 5G kiihdyttämö

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FINNISH ENTREPRENEUR ASSOCIATIONS LAPLAND REGIONS MEMBER
OF BOARD (OVER 115 000 MEMBERS IN FINLAND)

MULTIPLE PROJECTS IN PAST, PRESENT AND FUTURE

MAIN FOCUS ON AVIATION, MANNED/UNMANNED



SPECIALIZING IN REGIONAL AND BUSINESS DEVELOPMENT AND SERVICE INTEGRATIONS.

WE ARE ORIENTED TOWARDS THE UTILIZATION OF NEW TECHNOLOGY.

OUR MAIN CUSTOMER BASE IS THE SME SECTOR AND PUBLIC ADMINISTRATIONS.

FOR EXAMPLE, AS A MEMBERS: SMART CITY CLUSTER, FUAVE, ICE-INNOVATION CENTER KIRKENES, ARCTIC AVIATION CLUSTER

KEMIJARVI

DEVELOPING LOCAL, SMALLER
AIRFIELD

LOGISTICAL HUB: RAILWAY,
HIGHWAY

ECOSYSTEM

SERVICES MOVEMENT OF
GOODS, TOURISTS,
WORKFORCE ETC, IN & OUT

LEANING TOWARDS
EAVIATION, BUT OPERATIONS
ARE PLANNED TO START
YESTERDAY



Arctic Aviation Cluster



CONNECTING HUBS



First and only Arctic
Aviation Cluster with
representatives from three
different countries:

Finland, Norway & Sweden

Connecting different logistic and innovation hubs

Transforming aviation opens possibilities for total new ways of thinking routes

Strengthen collaboration between Arctic partners

Opens doors to new opportunities for cooperation and funding

Bolster the export of Arctic know-how

Better utilization of ARCTECH

Better sharing of knowledge and data between partners

A stronger shared voice for influence



An aerial photograph of a vast, snow-covered forest landscape. The terrain is flat and covered in a dense forest of evergreen trees, with patches of snow visible between the trees and along some paths. The sky is overcast with grey clouds. The overall color palette is dominated by blues and greys, giving it a cold, wintry feel.

Largest arctic UAV test area

SAVUKOSKI

SAVUKOSKI

POPULATION DENSITY: 0,16/KM²

REINDEERS: 12 000

TEST AREA SIZE: 5 300 KM²

N TO S: OVER 100 KM

W TO E: ABOUT 100 KM

MAX ALT: FL95



SAVUKOSKI

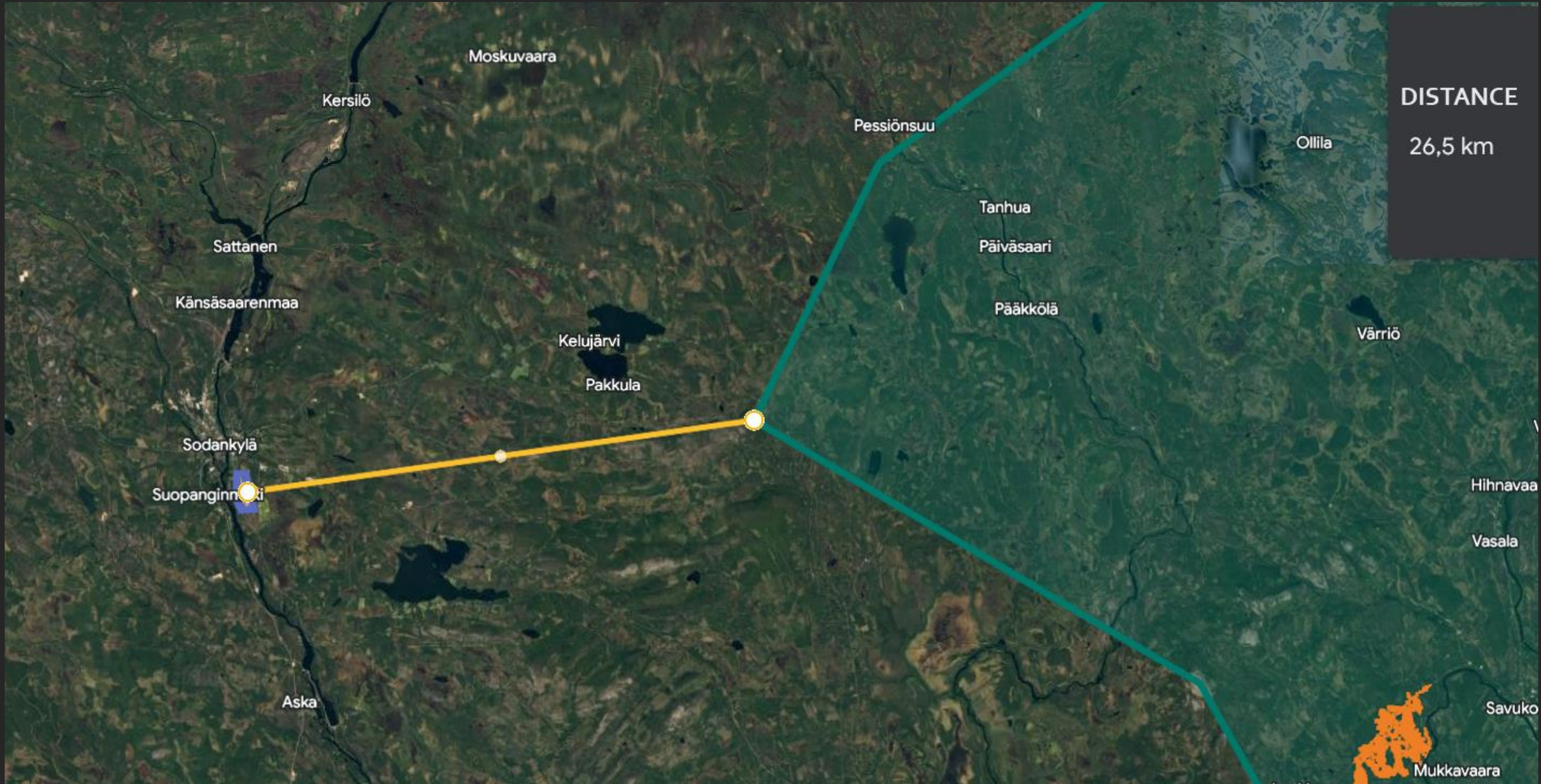
DEVIDED IN CELLS

ACTIVATED WHEN USED

ONE RUNWAY (GRAVEL)

AVIATION RADIOS IN USE
ETC





An aerial photograph of a vast, snow-covered forest landscape. The trees are densely packed and covered in a thick layer of snow, creating a textured, white and blue scene. The sky is a deep, overcast blue, and the horizon is visible in the distance. A large, dark, semi-circular graphic element is overlaid on the left side of the image, containing white text.

5G
in
Test Area

SAVUKOSKI

5G

Enhanced communication: 5G provides faster data transfer rates and lower latency, enabling real-time communication between ground control and UAVs.

Remote operation: The increased bandwidth and lower latency offered by 5G can enable more reliable and efficient remote piloting of UAVs during testing.

Live video streaming: 5G can support high-quality, real-time video streaming from UAVs to ground control, allowing operators to monitor test operations in real-time.

5G

Better data collection and analytics: With the increased capacity and speed of 5G networks, UAVs can transmit large amounts of data during test flights, including telemetry, sensor data, and images.

Improved safety: Faster and more reliable communication between UAVs and ground control, enabled by 5G, can contribute to enhanced safety during test operations.

Autonomous UAV swarms: Better coordination and communication among groups of UAVs, allowing them to operate as swarms during test operations.

IoT integration: 5G can facilitate the integration of UAVs with other IoT devices, such as sensors or cameras, providing a more comprehensive view of the test environment.

THANK YOU!

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