

Ulf Seijmer



**Chief
Innovation
Officer**

ANKR8

CTO



**Dragon
Head**



**“intelligent technology
that will connect the world
without boundaries”**

A wide-angle view of Earth from space. The sun is on the left, creating a bright orange and yellow glow that illuminates the Earth's atmosphere. The Earth's surface is visible, showing blue oceans, white clouds, and brownish-green landmasses. The horizon of the Earth is a thin blue line. In the upper right, a crescent moon is visible against the black background of space.

**“technology that will be
available everywhere and
seamless connect anything”**



induo

5G in forestry



induo

Transforming forwarders with 5G



Forwarder

Purpose: Transports felled logs from the forest to a landing site.

Tools: Crane with a grapple loads logs onto the vehicle.

Transport: Moves logs through rough terrain with minimal forest floor impact.

Unloading: Logs are unloaded at a designated area using the crane.





induo

Transforming forwarders with 5G

Enhanced working conditions
Optimized logistics efficiency
Lower environmental impact
Increased vehicle utilization/driver



induo



5G in forestry



induo



Remote control over a distance



A dirt road winds through a dense forest of tall, thin trees. The trees are mostly evergreens, with some deciduous trees showing autumn foliage. The road is unpaved and leads into the distance. The overall scene is serene and natural.

Why 5G in this application?



induo

Latency Speed Coverage





induo

eMBB



5G

URLCC



mMTC

Public 5G macrocell network

1

Private 5G base-station

2

Slice of the macrocell network

3



induo



Public 5G macrocell network

1



induo

5G

Delays/consistency
Rural coverage |

Public 5G macrocell network
Challenges

1



induo



Private 5G base-station

2



induo

**Bring the base-
station into the
forest**

**Private 5G base-station
Challenges**

2



induo

Licences Temporary usage Infrastructure

**Private 5G base-station
Challenges**

2



induo



Slice of the macronetwork

3



induo

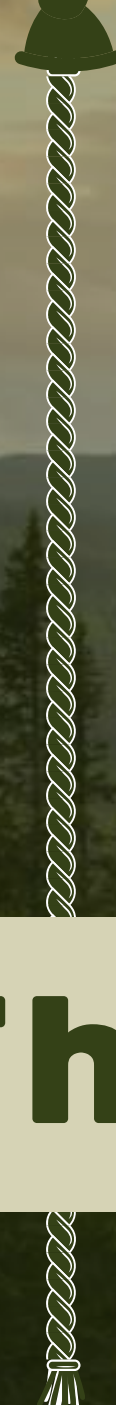
Rural coverage |

Slice of the macronetwork
Challenges

3

A dirt road winds through a dense forest of tall, thin trees. The trees are mostly evergreens, with some deciduous trees showing autumn foliage. The road is unpaved and leads into the distance. The overall scene is serene and natural.

What is the best solution?



The ultimate base-station?



induo

**Drone with 5G
3 km coverage
Driver at 90 km distance**







Ulf Seijmer

