



# **RADIO INNOVATION**

**LET'S COVER THE LAST GAP**

**Dusyant Patel, CEO**  
**Fulltäckning**  
2<sup>nd</sup> February 2023

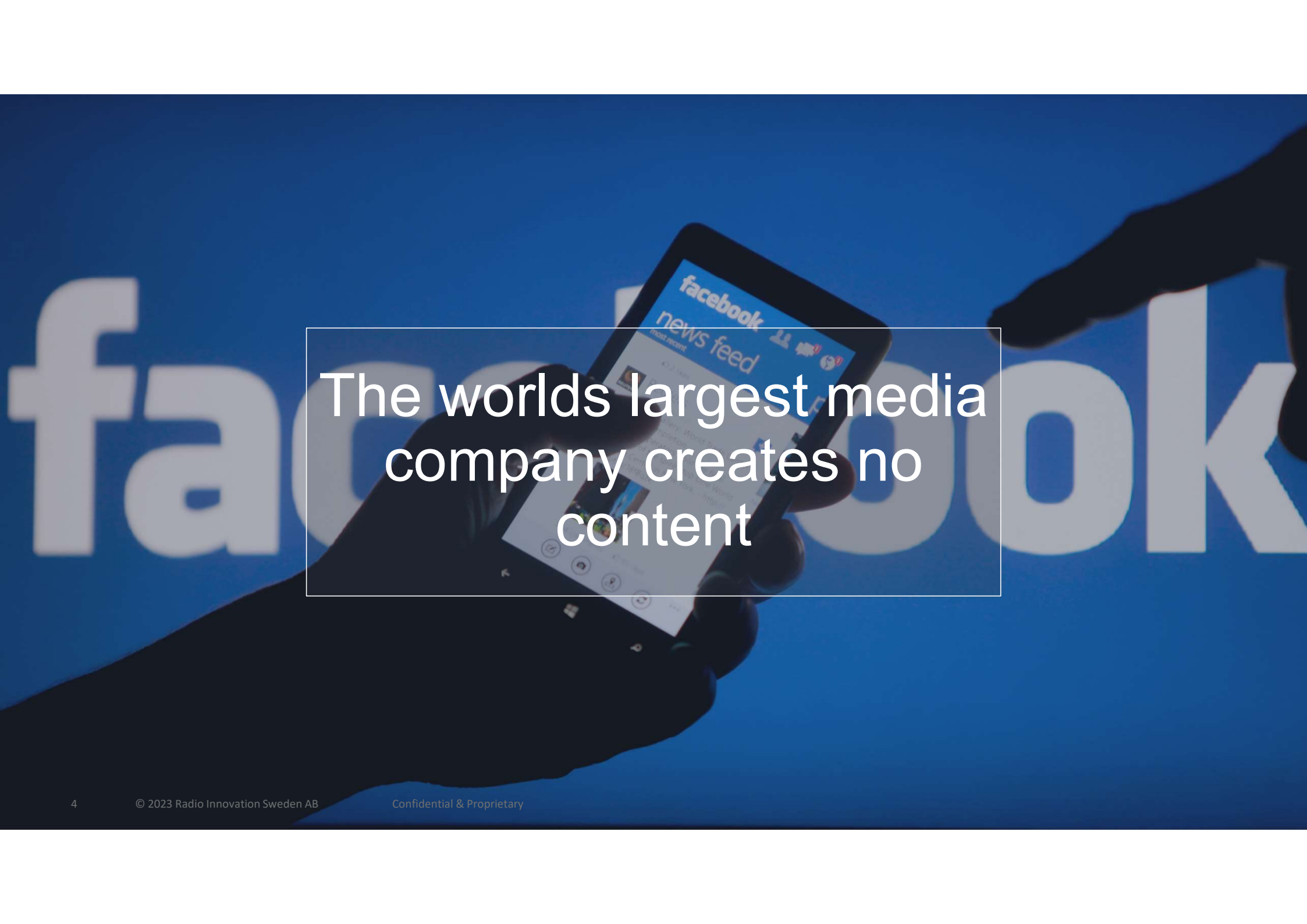


# #FULLTÄCKNING

för en inkluderad svensk landsbygd med Internet för alla



The worlds largest taxi  
company owns no  
vehicles

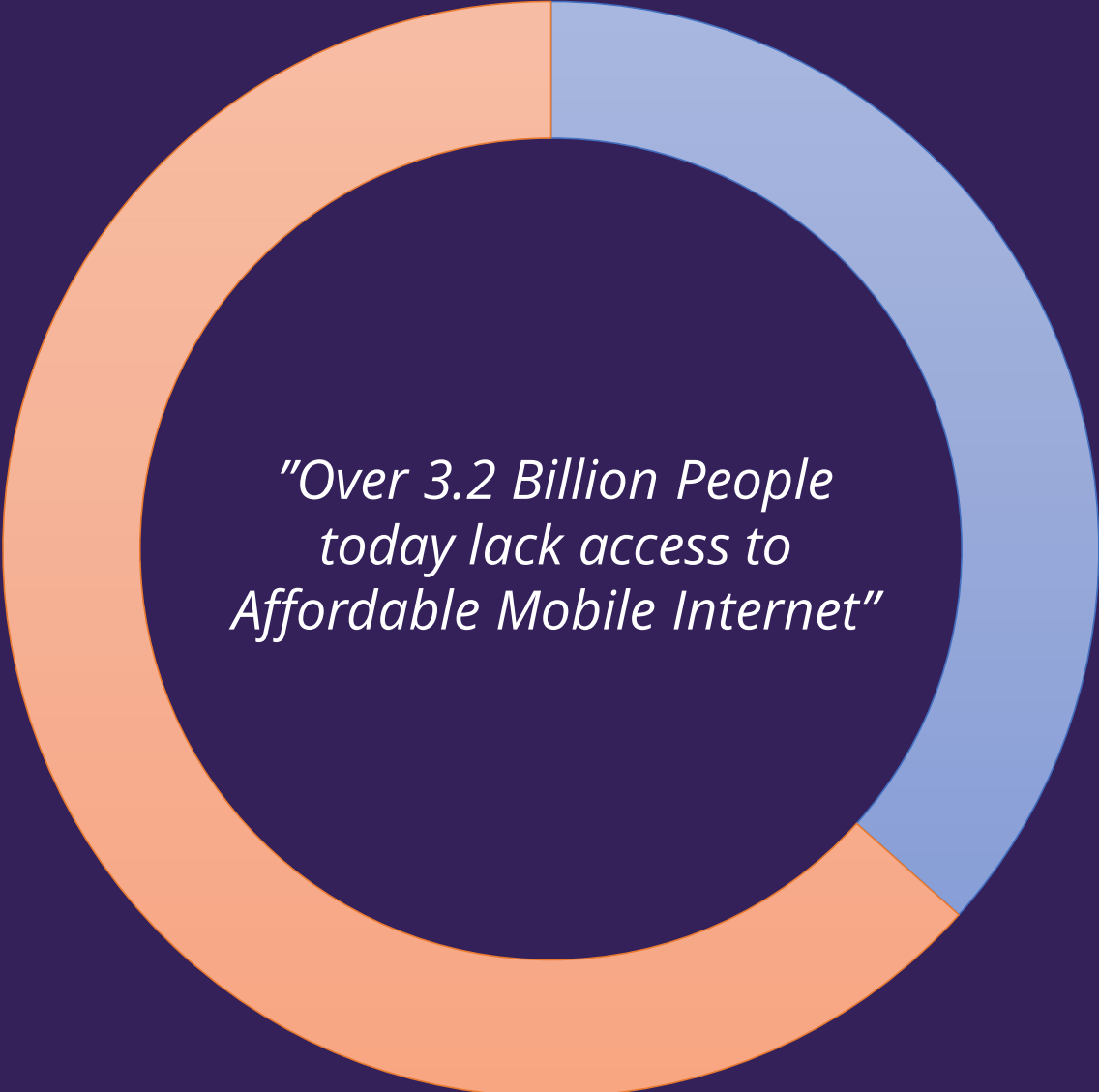


The worlds largest media  
company creates no  
content





The worlds largest  
accommodation chain  
owns no rooms



*"Over 3.2 Billion People  
today lack access to  
Affordable Mobile Internet"*





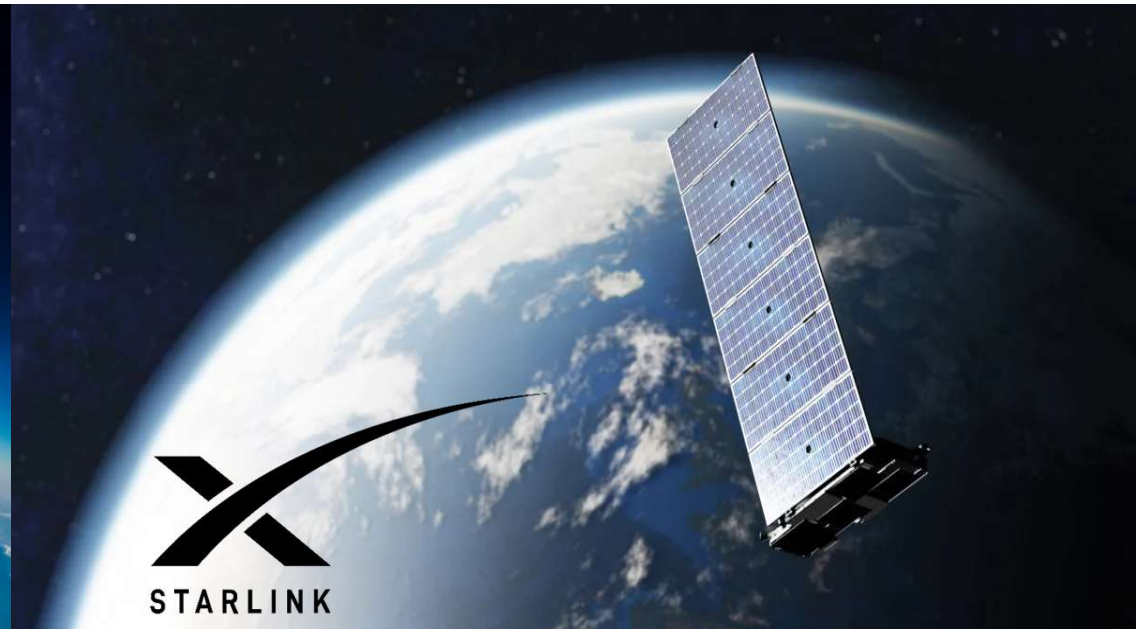




## The Challenge

*GSMA Director General, Mats Granryd said "It's time to make real strides on the journey to reach the 3.2 billion people who are not yet using mobile internet..."*





**Facebook** successfully tests its first **internet drone** Aquila



We recommend that by 2030, every adult should have affordable access to digital networks, as well as digitally-enabled financial and health services, as a means to make a substantial contribution to achieving the SDGs.”

— UN Secretary General

Moreover, a big push from the UN

*“eliminating the digital divide”*





“a disruptive thinking is needed”





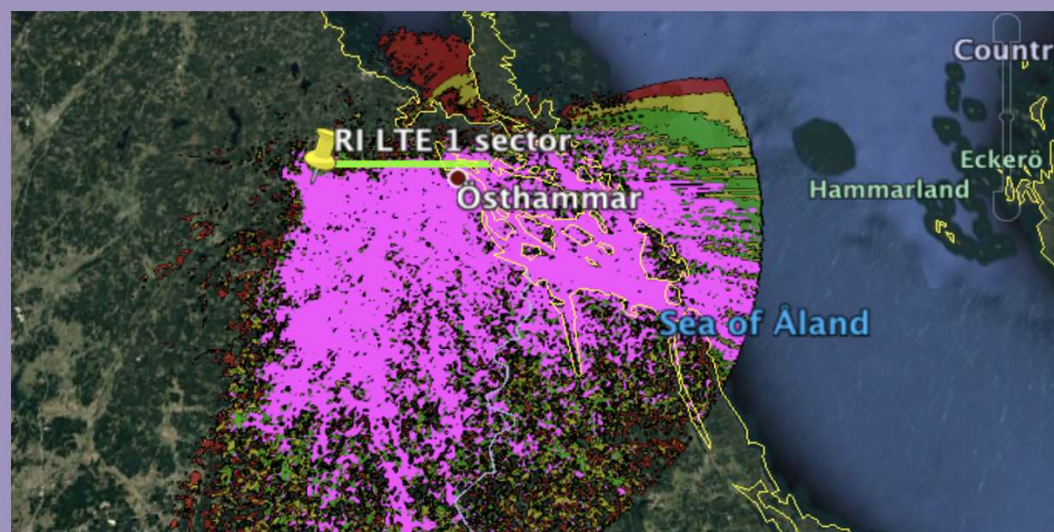
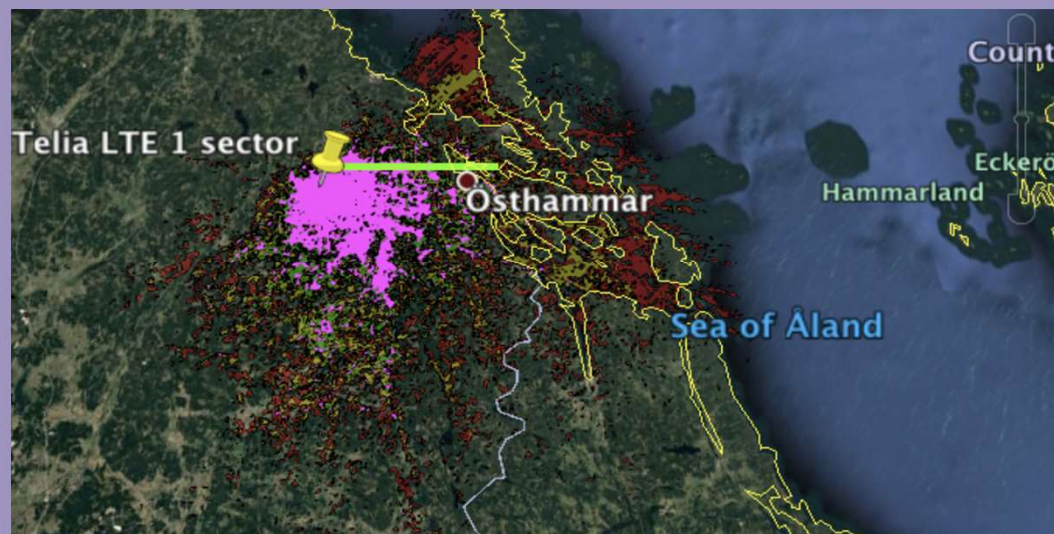
# Solving the digital divide:

**Governments**

**Reducing  
CAPEX and  
OPEX**

**Shared  
Networks**

**Institutions and  
Partnerships**



Source: Rhode & Schwarz and Terracom 2020

## Reducing the number of sites

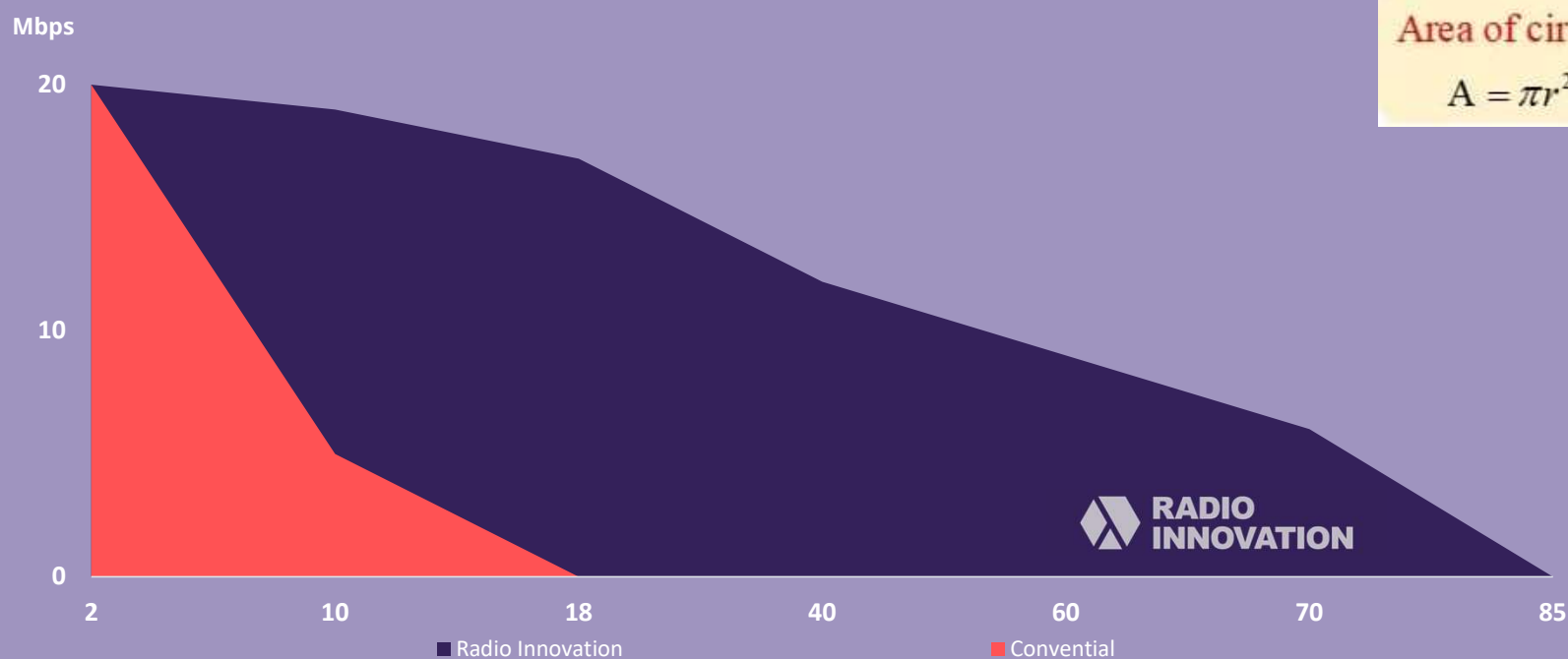
- 7 - 8 times better coverage
- 4 - 5 times better capacity

## Reduction in CAPEX and OPEX

- Affordable to build in rural areas
  - Driving down ARPU levels

# Kenya

Using **Radio innovation antennas**, the radio signal was extended **drastically further**, from **18 to 85 Km**  
*Aprrox: 22.687 km<sup>2</sup>*

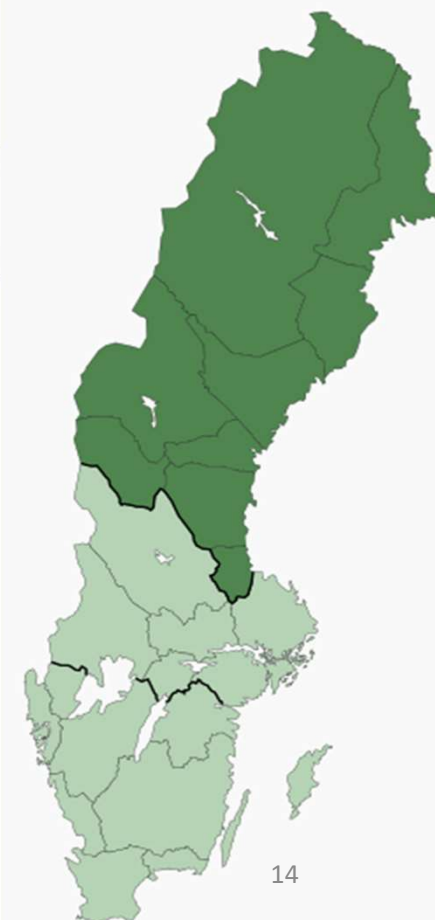


Area of circle

$$A = \pi r^2$$

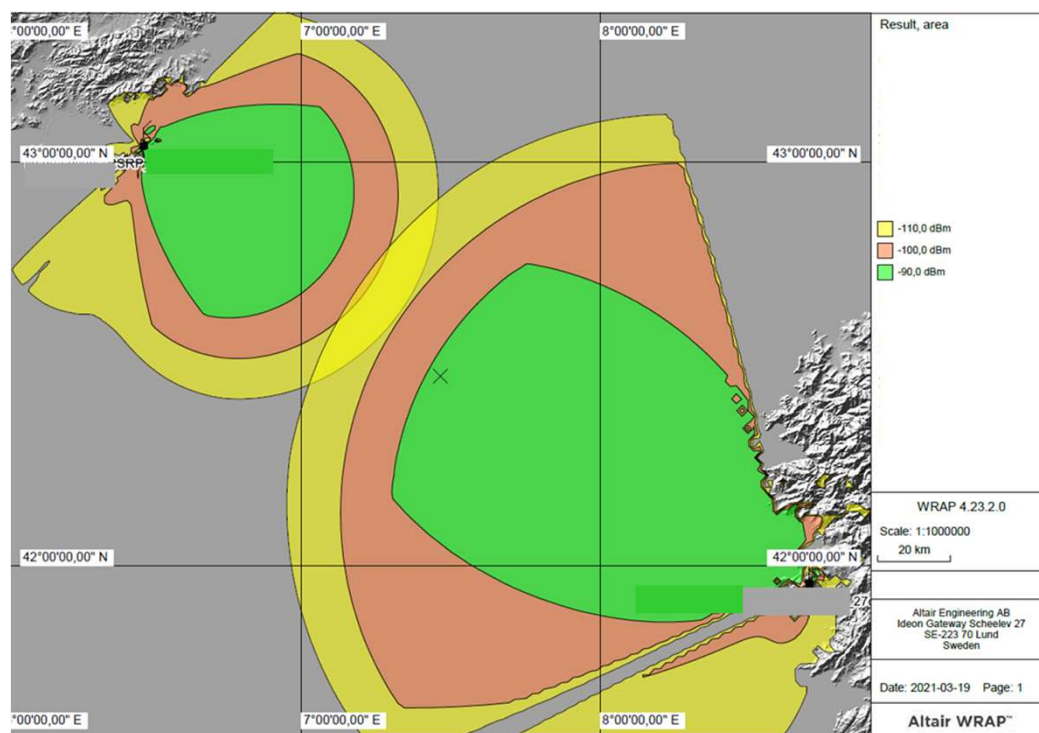


**Norrland**  
Landsdel





## Orange – the leading operator in France

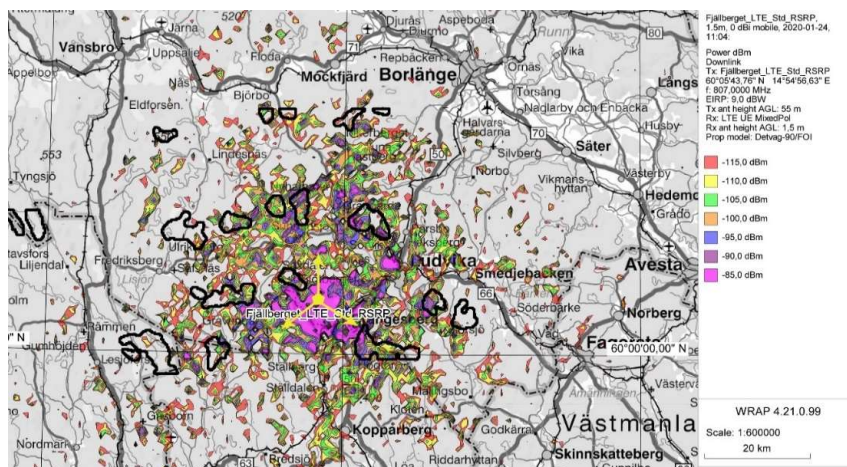


Maritime coverage of **180 km with voice and data** between Toulon and Corsica island (south of France)

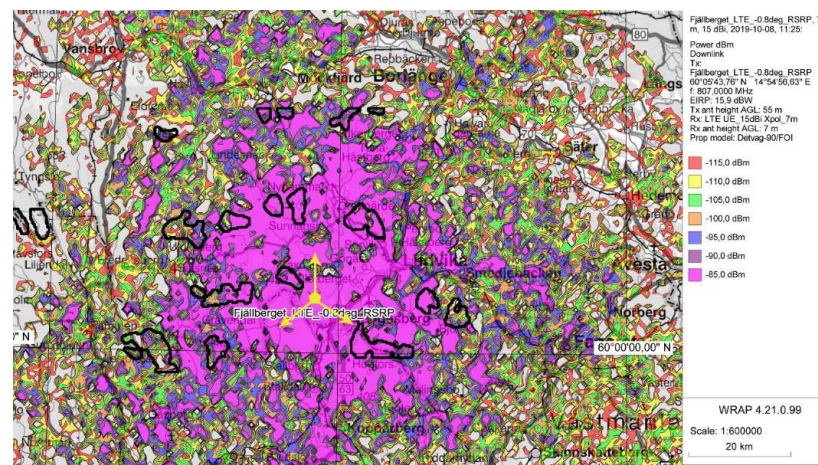
# Ludvika sweden

Covering white spots

Standard Solution



New Solution



# Mobile Solution

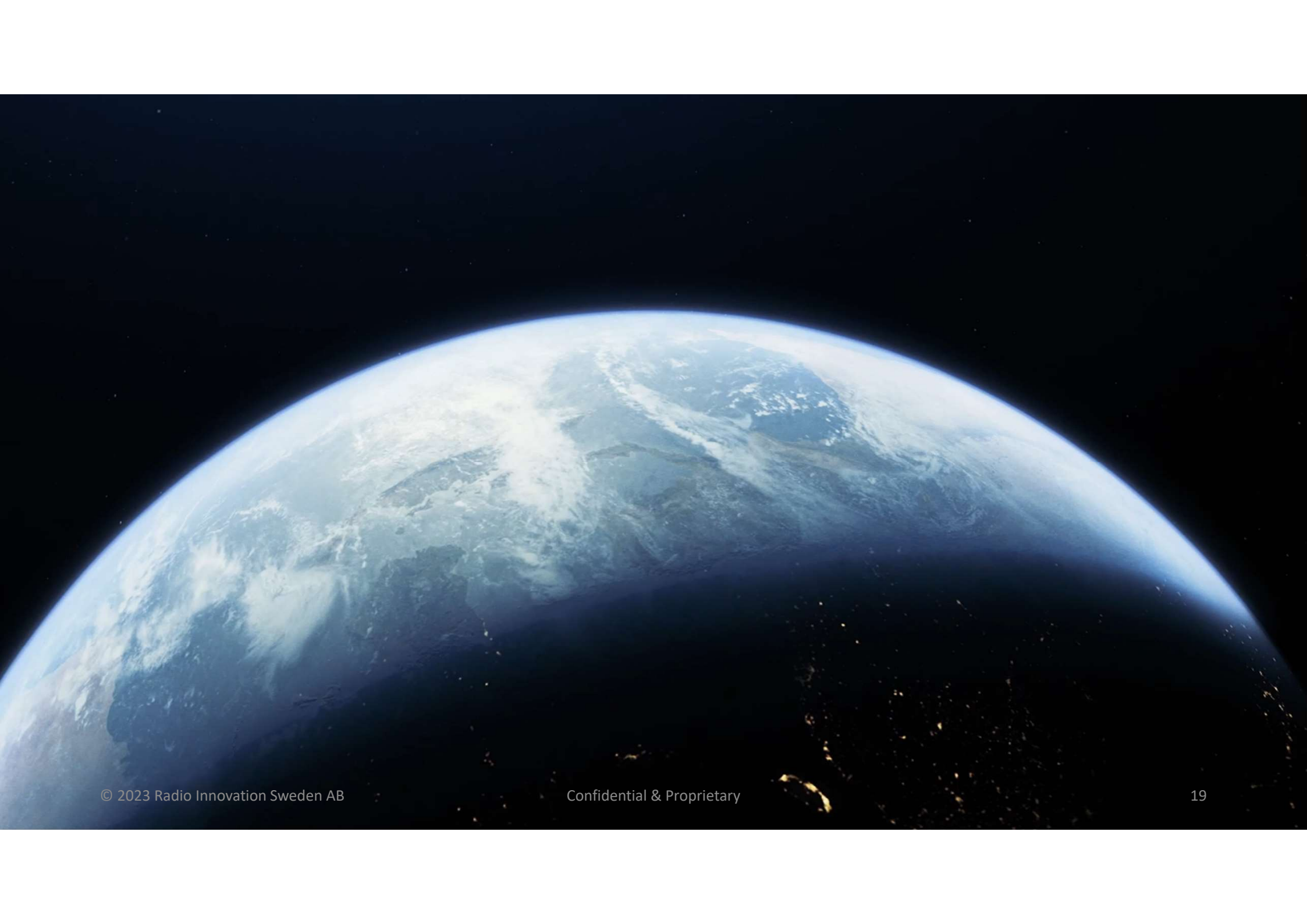




# Shared Network Solution: Optimal Tower Sharing

- Net-Neutrality - possibility for MNO's to share the antenna system.
- Cylinder concept that paves the way for equal conditions.





# Takeaway for today:

- Sense of urgency. Is Sweden is falling behind?
- Just like with the fulltäcknings project, we need to work together.
- By shared networks we can dramatically reduce CAPEX and OPEX.
- This is a fundamental question of democracy - eliminating the digital divide.



# Thank you for listening to us today!

**Dusyant Patel, CEO**

**[duyant@radioinnovation.net](mailto:duyant@radioinnovation.net)**

**[www.radioinnovation.net](http://www.radioinnovation.net)**

