

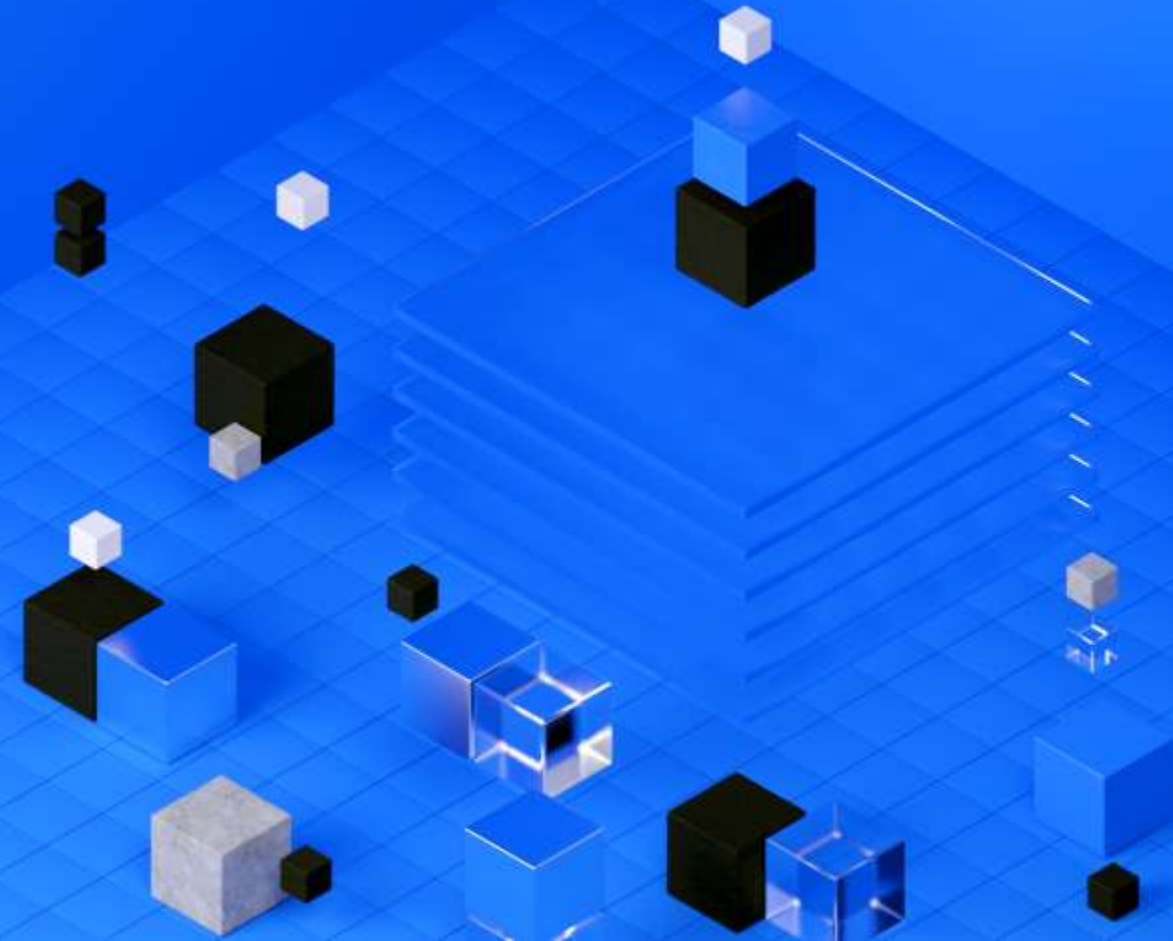


# Umeå 5G

Test city and reality lab

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# UMEÅ



# UMEÅ KOMMUN



5G session/11 oct





UMEÅ 5G

SWEDEN'S FIRST TEST CITY AND  
LARGE-SCALE 5G REALITY LAB

5G session/11 oct





# A CITY AS A TESTBED

The whole of Umeå will become a test environment for developing new digital solutions, products and services, providing community benefits and a better everyday life for residents.

**The 5 public stakeholders behind Umeå 5G:**

Umeå Municipality  
Umeå University  
Umeå Energi  
Västerbotten County Council  
Umeå Science Park (project owner)

# OUR UMEÅ 5G GOALS

- To establish Umeå as the first large-scale 5G city in Sweden, with technical infrastructure in place and an effective model for testing, developing and implementing new digital solutions, products and services.
- To offer Umeå residents leading-edge community services that facilitate everyday life in completely new ways and achieve "digital happiness".
- That Umeå becomes an obvious choice for all companies and residents who want to test, develop and use solutions for the digital society of the future.



CHALLENGE  
ACCEPTED

5G technology is not an end in itself but an important prerequisite for any connected smart city. 5G will help boost digitalization.

# UMEÅ 5G: AVAILABLE SYSTEM & STRUCTURE

1

## 5G INFRASTRUCTURE

Umeå has been granted access to 200 MHz in the 3400 - 3600 MHz band from PTS during the 2018/2019 test period.

2

## INNOVATION ARENA

The city as a test environment, business model development & research

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3

## APPLICATIONS/SOLUTIONS

# WHAT CAN 5G DO FOR US?



In Umeå 5G we want to test user cases:

- That are varied
- That are needed and offer clear benefits
- That have relatively short implementation timescales

## **Nus 5G**

E.g. remote solutions for homecare, monitoring, etc.

## **Umu 5G**

E.g. student environments, positioning services and solutions.

## **Umeå city 5G**

Community services for e.g. streets and parks, energy, waste, smarter properties, schools or culture.

## **Technology industries 5G**

Specific cases linked to investments, such as automation etc.









# Thank You

Obrigado!

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