

**5G-AHTII project**  
5G-Aurora Healthcare  
Technology  
Implementation Initiative



- The 5G-AHTII project is carried out at Skellefteå Hospital
- Installation of a 5G SA network that will cover  $\approx 50.000 \text{ m}^2$
- Configured a 20 km 5G Macro corridor along the E4 south of the city.
- The private network and the corridor is a part of the NorthStar 5G innovation program by Telia and Ericsson.

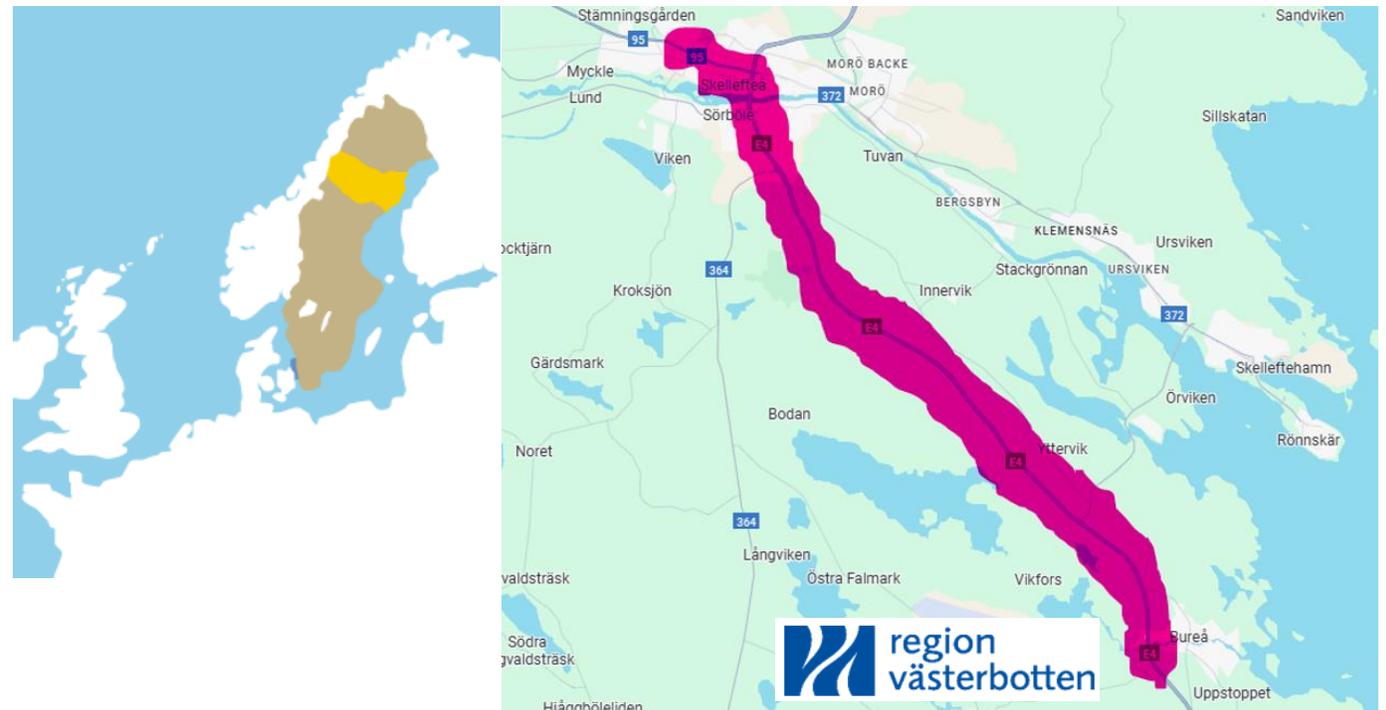


- Hospital communication

- Bedside Communication at the Emergency department
- Drone sending video from accident site

- Energy efficiency in the hospital

- IoT sensors for collecting data
- IoT sensors to secure quality of building environment
- IoT sensors data to develop On demand cleaning and planning in the hospital



## Activities carried out or planned

- Drone tests along the 5G corridor
- Signal and quality measurements along the 5G corridor
- A first set up around the bedside Communication in the Emergency unit.
- Planning for a test with drone on an accident site with ambulance and other functions
- Planning for IoT sensor test in the hospital with prototype equipment's from Ericsson (5G RedCap)
- Planning for tests of transfer of Advanced image diagnosis transfer via 5G slicing
- Planning for On demand cleaning test with IoT data

## Problems!

The availability of 5G equipment, medical equipment with built-in 5G technology.

Major problems finding manufacturers willing to supply 5G RedCap equipment



Innovation och partnerskap

