

## **SolarTech Power Solutions**

# **Latvia Mobile 5G Communication Base Station Wind Power Construction**



## Overview

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How does 5G work in Latvia?

On board Latvian port service provider LVR Flote's Varma icebreaker ship, the LMT has deployed 5G connectivity that can be delivered as far as 53km from the base station. Pilot boats and floating drones are all part of an intricate system to broadcast seabed measurements and remote video transmissions.

Will 5G help Latvia's border security?

Latvia has recently accused Belarus of letting illegal migrants cross into Latvia. This is an instance where border security, police, and military need to collaborate. Not all of these units would have access to the traditional military "green radio." However, 5G has the potential to simplify coordination and collaboration at the country's borders.

What is 5G techritory in Riga?

The 5G Techritory event in Riga was developed eight years ago to highlight this expertise and invite big names from the telecoms industry to use Latvia as a national testbed and a playground for technological innovation. He adds the country already has shared its expertise and innovations with the likes of Ukraine and Moldova.

Will 5G be deployed in the Baltic Sea?

Even months before the Baltic Sea became a hotbed for geopolitical tension, Binde says he predicted that trialing and testing 5G deployment in the Baltic Sea would be critically important. The LMT has already successfully trialed its 5G network in Baltic waters, using shore-to-ship, and ship-to-ship communication.

Is 4G a viable alternative to fixed broadband in Latvia?

Indeed, many Latvians eschew a wired broadband connection in their own home in favor of relying on 4G. According to the European Commission, as

early as 2017, mobile and fixed services have directly competed, with 4G emerging as an alternative to fixed broadband, particularly in rural areas.

What are 5G network deployment options?

During the demonstration, several innovative 5G network deployment options were presented. These included potential network coverage simulations, 5G drone tests, satellite communication integration, and other 5G applications on ships at sea.

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