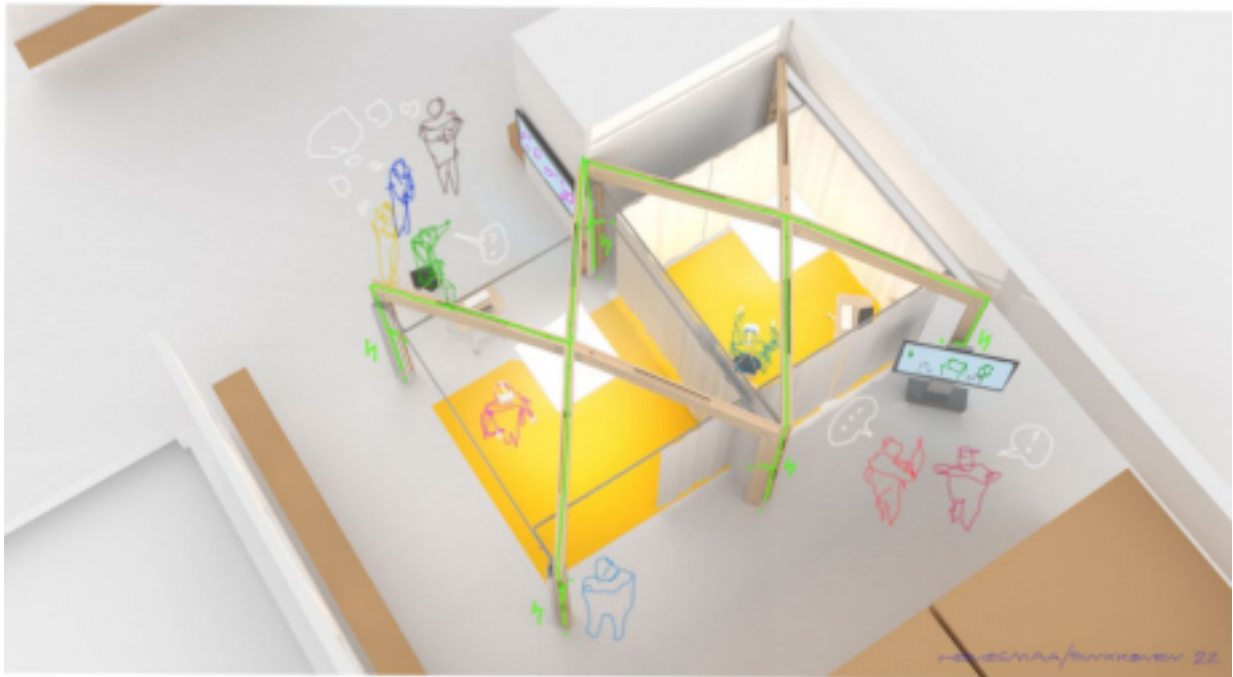# 5G Mokki™ Tech Space service station - backgrounder

The 5G Mokki™ Tech Space is a modular, multifunctional service station, containing a high-tech learning and communication environment in the shape of a small cottage - "mökki" in Finnish. The station enables innovative uses of fifth-generation (5G) mobile communication technology.

The 5G Mokki offers cloud services and efficient edge computing. It enables learning of the latest information and communication technologies, development of new 5G-powered applications and services, as well as remote, decentralized production and distribution of products and services.

Miniature 5G Mökki at the design phase.

Accelerated by the COVID pandemic and the green transformation, functions such as knowledge work, education and learning, self-care, healthcare, but also entertainment, hobbies, shopping and other service experiences are increasingly performed remotely.

By leveraging 3D worlds with exceptionally stable and fast connections, new service concepts make it possible for people to work, learn, and recreate anywhere.

The 5G Mokki concept and its service contents have been developed through an extensive network of universities, other educational institutions and companies. The stations are rolled out in cooperation with telecom operators.

In addition to promoting technological know-how, the 5G Mokki Tech Spaces also serve as a platform for entrepreneurship and commercial innovation.

The physical 5G Mokki has a modular structure with a metal or wooden frame, which can be quickly delivered and installed anywhere, including the desired technologies and equipment for short or long-term use.

The station is connected to a fixed or mobile data network and reliable power supply. The cottage is equipped with devices to ensure a steady and stable, uninterrupted supply of electricity. It can sustain itself with power through an electrical charging and storage system for solar energy. This means that it can be taken to areas with low-quality or limited infrastructure that are currently poorly served. The Mokki can be equipped for any outdoor conditions.

Various equipment packages exist for the 5G Mokki Tech Spaces. A basic setup might include, for example:
1. Virtual reality (VR), augmented reality (AR) and audio-visual (AV) equipment;
2. Compact studio equipment for producing, sending and receiving VR/AR/AV programmes;
3. Kinect camera equipment and software for creating, sending and receiving holograms;
4. A private 4G / 5G (and in the future also 6G) network, which enables the conception, development and implementation of new services and productions utilizing mobile networks.

The Mokki can be fitted out with additional equipment to suit use cases in, for example, healthcare and agriculture. Such equipment might include, for example, drones carrying the base stations of a mobile network.

About Start North

The Start North network accelerates the learning and application of new technologies to meet the challenges of global sustainable development. The network consists of the world's leading universities, companies, and not-for-profit organisations such as Ambitious Africa, an initiative bringing African and Nordic youth together to take Africa to the next level. Besides the 5G Mokki Tech Spaces, the Start North network provides various types of events, programmes, and methods that complement the current education system. 5G Mokki is a trademark of Start North.

Website: https://www.startnorth.com/

Inquiries: Mr. Jari Handelberg, Chairman of the Board of Start North ry and Co-Founder of the 5G Mokki Tech Space network: jari.handelberg@startnorth.com

For more information about the 5G Mokki™ Tech Space service station, please contact:
Mr. Lauri Hollo, Head of Community, Start North ry: lauri.hollo@startnorth.com