



Wirepas

Very very good IoT

We're redefining connectivity for massive IoT.

Ultra-resilient mesh networks that scale infinitely. **Millions of devices already connected.** A team of experts never letting you down. We don't just talk about non-cellular 5G—we built it. **Rock-solid performance** for demanding industrial and commercial networks. Very very good IoT.

WIREPAS IN BRIEF

Founded: 2010

HQ: Tampere, Finland

Main markets: Europe, US, India, Australia

Number of employees: ~100

Number of patents: >200

Number of licensees: ~200

Revenue in 2023: ~6 M€

Funding raised: ~60 M€

HIGHLIGHTS

- Wirepas is the **main contributor to the new IoT standard NR+** in ETSI and ITU.
- **NR+ is the first non-cellular 5G technology**—designed for massive and demanding industrial networks.
- The Wirepas technology is the foundation for the world's largest wireless mesh network: **more than 1 million smart electricity meters in a single network**, in Norway at > 99.999% SLA.
- **Millions of meters, sensors, location tags** and more worldwide **already use Wirepas.**
- Wirepas is **one of the leading technology providers currently connecting smart meters** in the massive and rapidly expanding Indian market.

MAIN PRODUCTS

Wirepas Connectivity Suite combines field-proven mesh with built-in end-to-end services. It comes with a Network Management System (NMS) for network monitoring, alerting and device management framework in 3 different profiles:

- **Wirepas 5G Mesh** pushes the boundaries of massive IoT **based on the new global, first non-cellular 5G standard for IoT, NR+.** It's cellular-grade mesh-based communications. It offers the most reliable wireless network existing today.
- **Wirepas Mesh 2.4 GHz** uses the 2.4 GHz global spectrum and supports **affordable low-power or low-latency use cases.**
- **Wirepas Mesh Sub-GHz** is **optimized for smart meters** in the Sub-GHz ISM bands.

COMPANY HISTORY

All started as a research project at the University of Tampere, Finland. In 2000 the project team realized that the future belonged to the world of IoT. They figured the technologies available were inadequate for industrial-scale deployments. They saw the need to build a sustainable network that could hold hundreds of thousands of devices in one single network as dense as needed. In 2010 the project turns into the company Wirepas.

- 2014**
 - Teppo Hemiä, the current CEO of Wirepas, joins the company.
 - Wirepas starts focusing on the network software alone.
- 2015**
 - Aidon wins a massive smart meter case in Oslo, Norway, using Wirepas. Part of this network is still the world's largest wireless mesh network: million meters in one single network.
 - Wirepas starts working with more use cases in logistics, tracking as well as building and manufacturing.
- 2017**
 - Wirepas reaches the landmark of 2 million connected devices in the field.
- 2018**
 - Wirepas and Haltian builds the largest IoT sensor network in the world. 100,000 sensors in one network for smart washrooms.
- 2019**
 - Meter roll outs in Norway are complete, Wirepas has 54 % market share in the country.
 - Wirepas enters the smart meter market in India.
- 2020**
 - Wirepas' standardization landmark: Wirepas is the key contributor to ETSI's global IoT standard, NR+, which came out the same year.
- 2021**
 - Wirepas closes the largest lighting deal in the market, with 100,000 lighting units.
 - NR+ becomes part of the ITU-R IMT-2020 to make the standard the world's first non-cellular 5G.
- 2022**
 - Wirepas achieves 99 % SLA in India.
 - Roll outs in 5 Indian states.
- 2023**
 - 2 million meters with Wirepas deployed in India.
- 2024**
 - The first product based on NR+ reaches general availability. This is the 5G Mesh profile for the Wirepas stack.
 - 500,000 meters with Wirepas mesh are deployed monthly.

Today, Wirepas is an international technology company focused on enterprise IoT. Around **10 million devices will be connected with the Wirepas technology at the end of 2024.** Wirepas headquarters remain located in Tampere.