



SME Working Group

NetworldEurope SME Working Group

SME Success Story – October 2022



INTERNET INSTITUTE Ltd.

INTERNET INSTITUTE Ltd. (ININ) has successfully developed and verified Industrial IoT Gateway. This appliance assures secure, resilient and QoS guaranteed 5G connectivity for IoT devices such as various environmental sensors, industrial sensors, cameras, etc. The appliance has been developed within 5G-LOGINNOV project (<https://5g-loginnov.eu/>), co-funded by the European Union under grant agreement No. 957400. Since 5G-LOGINNOV project primarily addresses ports and logistics domains, the appliance has been tailored for specific requirements of the domain. However, for further development and improvements of the solution to suit other industry verticals and novel FOG concepts as well, the Industrial IoT GW already facilitates R&D&I activities in multiple EU co-funded projects: 5G-INDUCE-5G (<https://www.5g-induce.eu/>, GA No. 101016941), EVOLVED-5G (<https://evolved-5g.eu/>, GA No. 101016608), and NEPHELE (GA No. 101070487).

The screenshot displays the web interface of the Industrial IoT Gateway. The interface includes a navigation menu with options like Overview, Settings, Diagnostics, Debug, Statistics, and Monitoring. A central panel shows a physical device image. To the right, several status panels are visible:

- NETWORK INFO:** Shows LAN status (Offline), WAN status (Online, 192.168.203.2 / 30), and VPN status (Online, 172.18.0.69 / 32).
- ROUTING INFO:** Shows the default gateway as 192.168.203.1.
- DNS SERVER:** Shows DNS 1 as 1.1.1.1.
- LAN DHCP:** Shows DHCP client (Off), DHCP server (On), and DHCP leases (0).
- SERVICES:** Shows Portainer (On), DPI (On), Device Monitoring (On), and IDS/IPS (On).
- MOBILE:** Shows radio monitoring (On), operator PLMN (00101), operator name (Internet Institute), mobile technology (5G), mobile RRC state (-1), and mobile PS state (Attached).
- SIGNAL:** Shows signal strength (GOOD), RSSI NR (-44 dBm), RSRQ NR (-11 dB), RSRP NR (-20 dBm), and SINR NR (49.0 dB).
- POWER:** Shows TX power as N/A.
- MAP:** Shows a map of Slovenia with a location marker at 128, Črna vas, Ljubljana, Upravna Enota Ljubljana, 1000, Slovenia.

At the bottom, there is a footer with the text: "© Last auto refresh: 12/10/2022, 14:05:43" and "© INTERNET INSTITUTE Ltd. - Copyright 2022 - All Rights Reserved".



In the context of the European Commission's aim to make EU-funded innovations from high-quality projects visible and accessible to the public, our product has been analysed by the European Commission's Innovation Radar and categorized as follows:

- **Innovation Title:** Improved Industrial IoT System for specific needs of the ports and logistics domain;
- **Market Maturity of the Innovation:** Business Ready (more details on this categorization are [provided here](#));
- **Market Creation Potential of the innovation:** Noteworthy (more details on this categorisation are [provided here](#));
- **Key Innovator:** INTERNET INSTITUTE, COMMUNICATIONS SOLUTIONS AND CONSULTING LTD.

Further details regarding the innovation are also available at: <https://www.innoradar.eu/innovation/46608>