



Measuring Silo Surface Level with IOTSU® IMPACT Solution

IOTSU® IMPACT N12 enables monitoring the amount of materials in the silos by measuring the surface level with a distance sensor. Based on the distance measured by the solution, the amount of material can be measured. Suitable, for example, for gravel, chippings and dust silos. Durable enclosure allows use in industrial environments.

Solution Features:

- Measures the distance inside of the silo and provides information on the surface level.
- Wired probe can be placed freely on the measurement site.
- Data is transmitted over the NB-IoT network without the need for a local network or cabling.



Measurement type:	Distance from the top of the silo to material
Sensor type:	Distance sensor
Operating environment:	Enclosed for demanding conditions
Power supply:	Battery or fixed power supply
Network connection:	Wireless NB-IoT network

IOTSU® IMPACT N12 solution can be extended with additional services. We deliver complete package with Ready-to-go solution if needed. See next page for additional services.





Company: Small Data Garden Oy
Product name: IOTSU® IMPACT N12
Rev: 1.2c_20th May 2025

Expand Your Solution with Additional Services:

Real time Remote Monitoring and Alerts

Measurement data can be analysed and visualised clearly with IOTSU® Cloud solution in real time. Web based service operates without software installation. The service provides graphs and history data and with ability to set alarm thresholds and control commands. You can create new users and reports from a selected period.



Reliable and Secure Connection in Elisa's Network

Our solution operates with the IoT-connection provided by Elisa which guarantees reliable and secure data transmission. Elisa's network has extensive coverage across Finland and is suitable for demanding needs. In addition, Elisa's has broad international network of roaming partners in Sweden and other countries.



Pre-configured Device Solution

We can configure devices to your exact requirements with the measuring heads, cables and SIM cards installed and with settings programmed at our factory. This will significantly speed up deployment and reduce installation work at the site.



Need all this Ready to Go?

Choose Ready-to-go package where device, connection and visualisation create seamless package. You don't need to worry about configuring, installing or connecting. We provide whole solution ready for use.