



ALL - IN - ONE COLD CHAIN MONITORING SOLUTION

Providing Peace of Mind From First Mile to the Last Mile

Saves **Time** and **Resources** with Real-Time Monitoring





RF SOLUTION

Real-Time Temperature
and Humidity Monitoring
While in Transport



NFC SOLUTION

Geographical Monitoring
of transport product

Overview

Monitoring While in Transport

2G Logger



NFC Logger



RF Logger



2G Hub

Overview

How it Works in the Warehouses, Shops and Fridges

1 Fridges with RF Data Loggers

Data Logger is installed in the fridge using the provided holder with adhesive. It measured and transmit temperature data every 10 minutes for three years. It has an internal memory that can be read via NFC if necessary.



TruTag Mobile

An Android app that allows seeing the data transmitted by RF loggers locally. All you need is a specially dedicated USB hub connected to your smartphone or tablet.



Cold Finder + QR Code

Each fridge or freezer can attach a QR Code sticker. Just scan it for real-time temperature information as well as for geolocalized promotions.

2 Office with HUB

Hub receives the temperature data from all the loggers up to 800 meters in range. Connected to the internet via Ethernet, Wi-Fi, or GPRS enables real-time and remote monitoring.



Repeater

The device amplifies the radio signals to a further wide range.

3 TruConsole

The **TruConsole** app enables real-time, simultaneous, or remote monitoring using any device connected to the internet. In case of a temperature breach, clients receive alerts via email or SMS to react quickly and solve the problem. They can also easily manage the data, program temperature limits, see graphs, and download PDF reports.

Logger → Hub → TruConsole

RF Solution | Summary



RF Logger



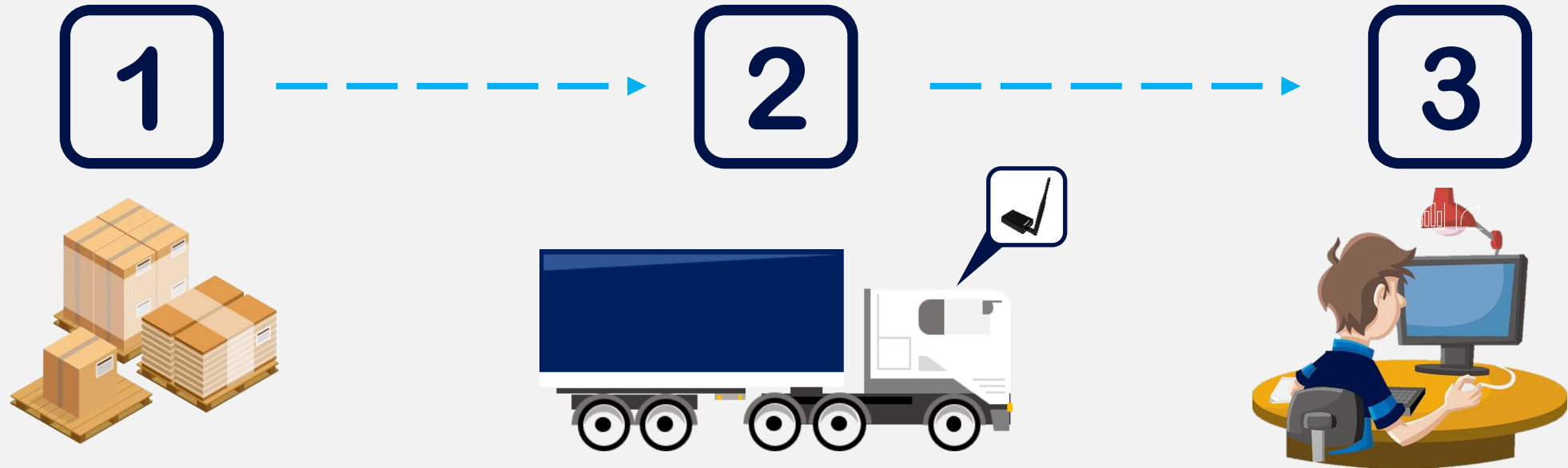
2G Hub

TruLog Data Logger can be installed in the warehouse or in the truck with provided holder. It measures temperature and transmits data every 10 minutes in the cloud for up to 5 years. For instant temperature data, it has an internal memory that can be accessed by tapping your NFC-enabled device in it.

2G Hub gather all the data and upload it automatically to the cloud

RF Solution

How it Works in Transport



TruLog RF Data Logger installed in the isothermal box or Reefer Vans, it measures temperature and transmits it in hub using radio frequencies.

2G hub is placed on the driver's cabin and sends data to the cloud via 2G or 3G or the driver's smartphone.

2G hub may use for both transport and in the warehouse.

Manager can access temperature and humidity data or even geographical data whenever or wherever he wants via the TruConsole web app.

About RF Logger

TruLog RF Data Logger a small and compact device that makes your monitoring or measurement easy, quick, and reliable.



Confident in Measurement

Sensitive sensors have a 0,2°C precision between 0°C and 30°C and 0,4°C between -30°C and +70°C



International Compliant

Our Wireless Data Loggers are compliant with CE and ETSI 300220 standard



Ergonomic Design

With a credit-card size wireless data logger, you can install the logger on different kinds of containers or pallets. Small, Convenient, and Secure.



Small in Size, Bigger Inside

Our RF Data Logger can last up to 5 years with continuous measurement (10 minutes measurement interval) and store up to 5,000 measurement data



Safe and Secure Data

TruConsole have HTTPS protocols with an SSL certificate making your data secure



Wireless Connectivity

TruLog RF Data Logger can send a signal within 700 meters in free space to the hub via radiofrequency. Access data with TruConsole (Web) and TruTag (Mobile)



DATA SHEET

TEMPERATURE RANGE	-40°C to +60°C
ACCURACY	From 0°C to +30°C typically +/- 0.2°C; +/- 0.5°C for the rest
VALIDITY	1 year
RESOLUTION	0.1°C
INTERVALS	10min by default. Modifications starts from 1min with resolution of 1s
MEMORY	5.000 records with automatic rollover
RANGE	Up to 700m in open space
I P	67
RF FREQUENCY	869 MHz for Europe / 912.4 MHz for USA / 920.9MHz for Asia, Brasil etc.
POWER SUPPLY	Internal battery
DIMENSIONS	85mm x 54mm x 5mm



NFC Solution | Summary



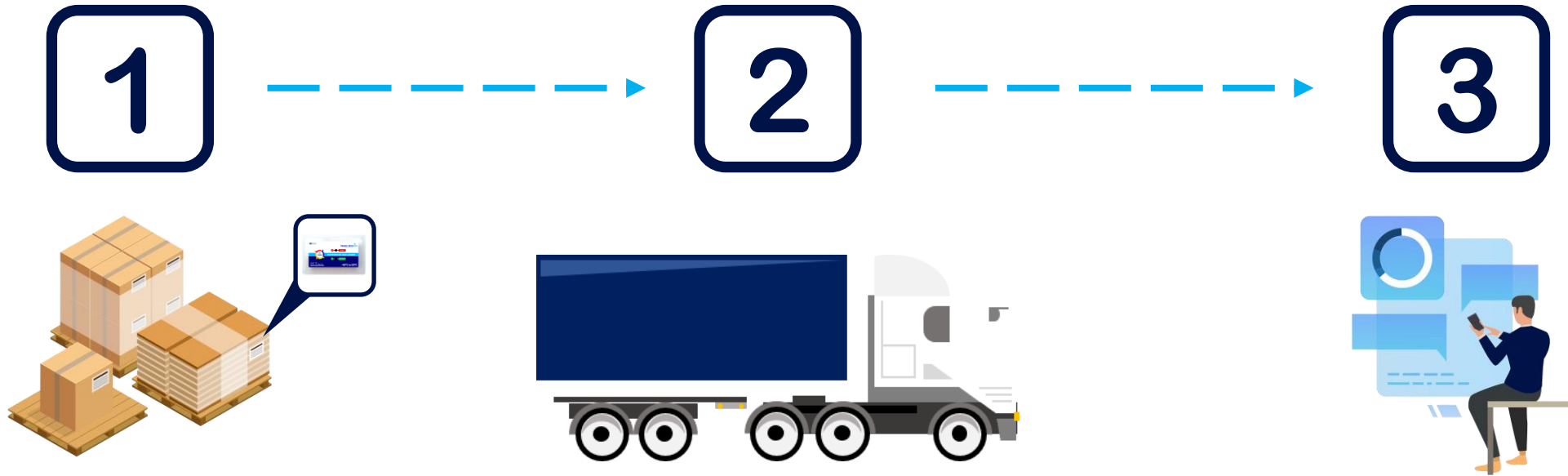
NFC Logger Geographical Data Monitoring

Don't be decisive with the size of TruLog NFC Data Logger. With credit card size, it can fit on any parcel boxes and store up to 5,000 measurements and geographical data.

Pre-programmed data logger for required temperature range and personalized important data for sensitive products. Breach in temperature while in transport will automatically send alerts.

NFC Solution

How it Works in Transport



Hassle-free installation of TruLog NFC Data Logger on boxes or pallets. It can store up to 5,000 measurements data in its internal memory.

While in transport, TruLog NFC Data Logger continuously records, analyze, and gather data needed throughout the entire cold chain process.

Access all saved data made easy using Near Field Communication (NFC) Technology. By tapping your NFC enabled device or smartphone to the Data Logger, you can analyze the data at the palm of your hand.

About NFC Logger

Access all temperature, humidity and geographical data in the palm of your hand. TruLog NFC Data Logger a small in size but powerful inside.



Confident in Measurement

Sensitive sensors have a 0,2°C precision between 0°C and 30°C and 0,4°C between -30°C and +70°C



Small in Size, Bigger Inside

Our NFC Data Logger can last up to 5 years and store up to 5,000 measurements in its internal memory



International Compliant

Our Wireless Data Loggers are compliant with CE and approved by IATA



Safe and Secure Data

TruConsole have HTTPS protocols with an SSL certificate making your data secure



Ergonomic Design

With a credit-card size wireless data logger, you can install the logger on different kinds of containers, boxes, or pallets. Small, Convenient, and Secure.



Wireless Connectivity

By simply tapping your NFC enabled smartphone to the logger. You can Access all temperature and humidity data, also thanks to TruTag mobile app.



DATA SHEET

TEMPERATURE RANGE	-40°C to +60°C
ACCURACY	From 0°C to +30°C typically +/- 0.2°C; +/- 0.5°C for the rest
VALIDITY	1 year
RESOLUTION	0.1°C
INTERVALS	10min by default. Modifications starts from 1min with resolution of 1s
MEMORY	Reusable
POWER SUPPLY	Internal Battery
I P	67
DIMENSIONS	80mm x 50mm x 5mm
EQUIPMENT NEEDED	NFC Reader or Android Smartphone



TruConsole

Cloud-based temperature and humidity monitoring whenever or wherever you are.

TruConsole is a web application that allows you to access:

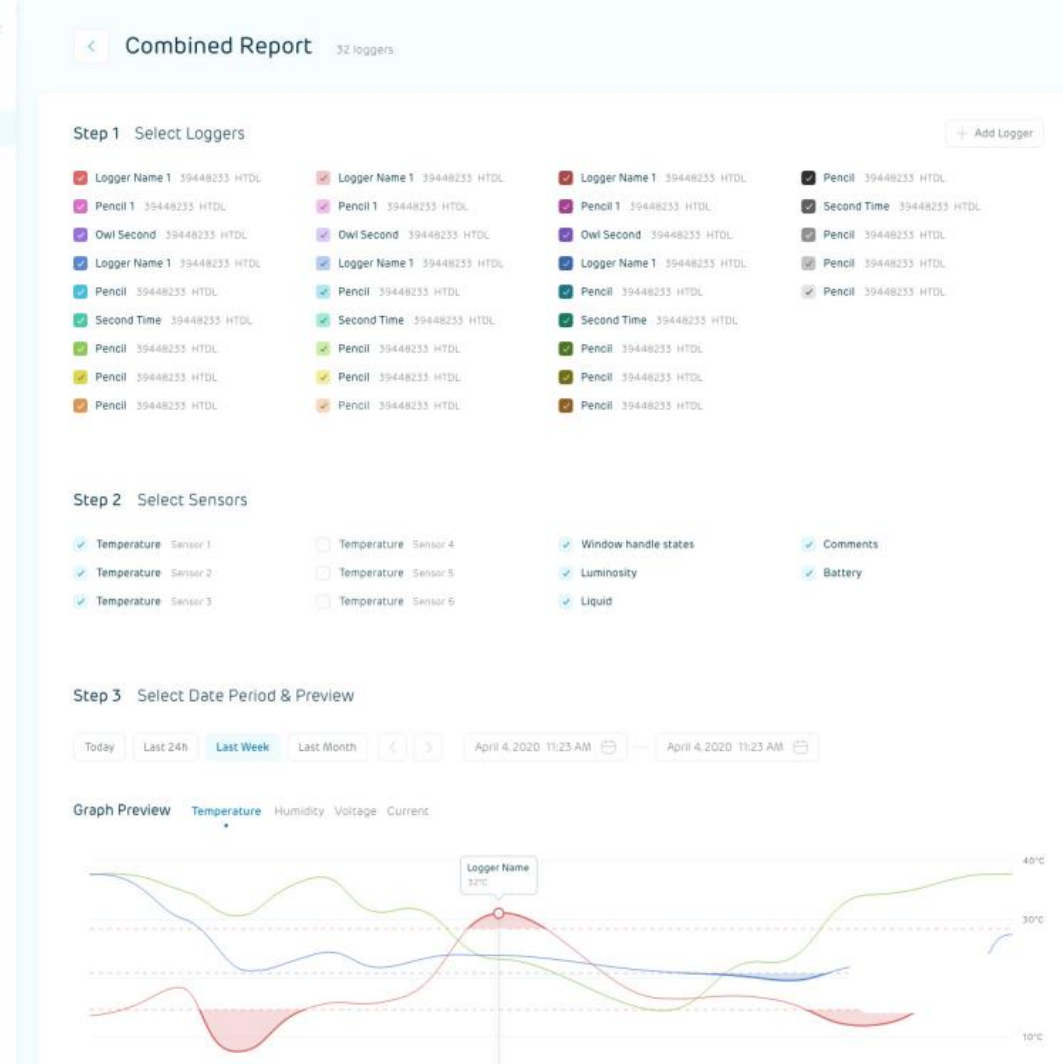
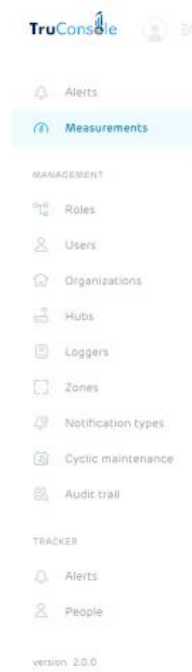
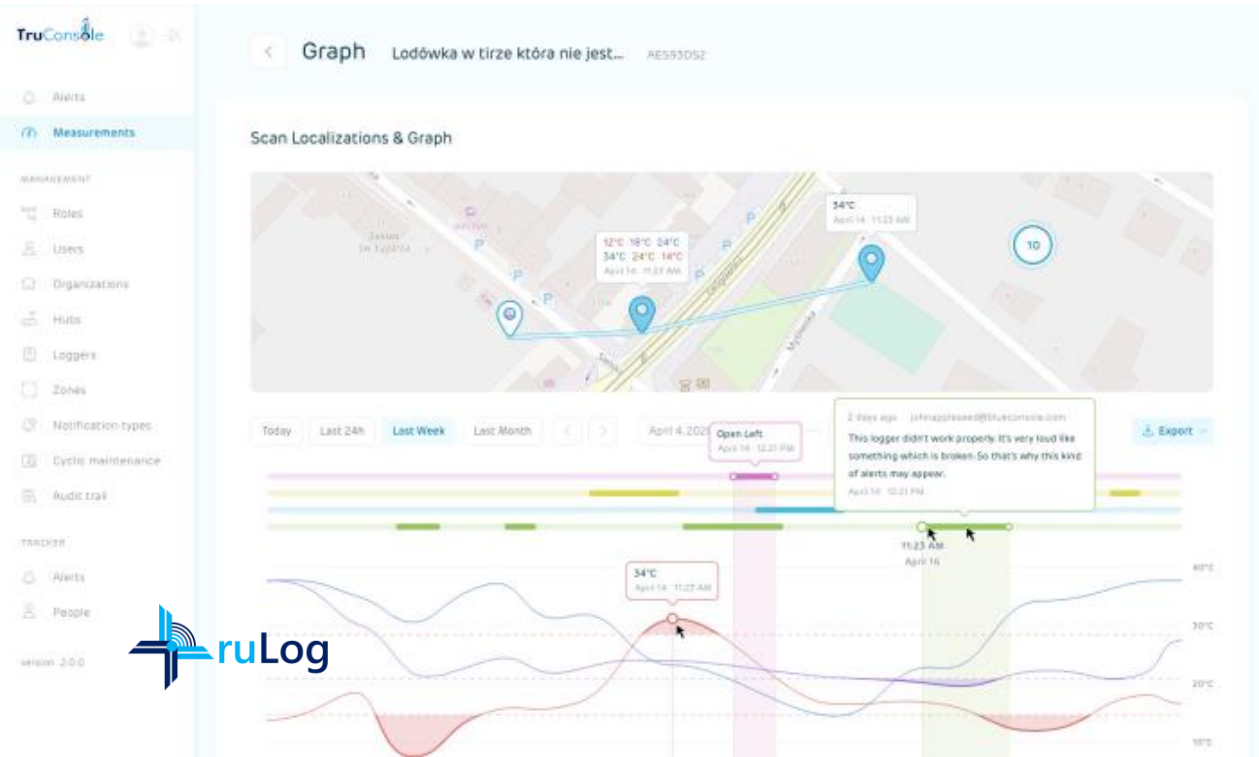
- ✓ **Loggers measurements** details
- ✓ **Alert** details
- ✓ **Geographical** Details
- ✓ Other **customizable data and information** details



TruConsole

GRAPHS, COMMENTS, READOUT MAPS

With TruConsole, hassle-free data recovery in your TruLog RF and NFC Data Logger. Real-time temperature and humidity data for monitoring and generate ready-to-use reports.



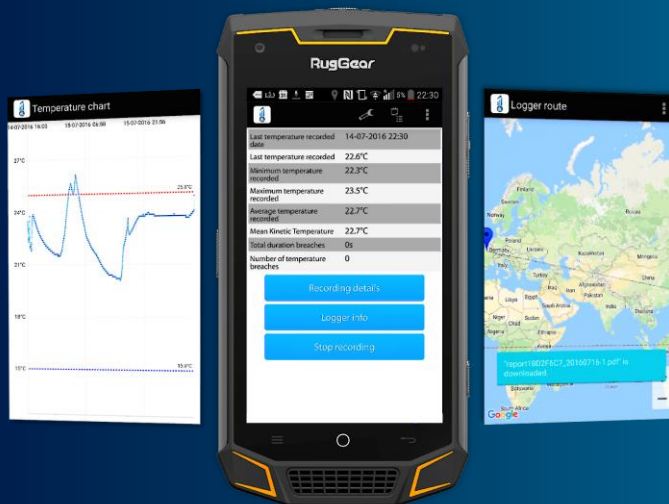
Logistical Data

Product / Pharma Info	Trackcol #1
Tracking / Logistics Info	AC3
Product / Pharma Info	Trackcol #1
Tracking / Logistics Info	AC3

TruTag

With Trutag mobile app, access the full temperature data history throughout the cold chain process at the palm of your hand.

In just 2 seconds, you can easily use the loggers and access all the data. You can also upload or customize data or information to the cloud so that all authorized people can see it.



Download on
leading App Stores



Contact Us



+63 917 5408 828



info@truenorthaum.com



www.truenorthaum.com



UG08 Globe Telecom Plaza Tower 1, Pioneer
Highlands South Condominium, Pioneer cor.
Madison St. Mandaluyong City, Philippines 1550

