



PRODUCT | CATALOG |



Technology is our passion

We live in a chaotic world in which we are exposed to an infinite information overload. Whether as entrepreneurs, parents or just human beings, our task is to recognize the essential to make the right decisions.

I have founded LEVEL Systems to simplify this process and help our customers to have all necessary information about their assets in one place.

I would not achieve this without our team of industry professionals, for whom technology and innovation are not only their livelihood but, above all, a hobby.

Excitement of innovation is why we have been providing solutions for monitoring and security of your vehicles, trains, heavy machinery, containers, aircraft and any other objects, for more than 30 years.

Michal Falta
Founder of LEVEL Systems

Headquarters in the Czech Republic

In 1992, LEVEL Systems was founded in Nachod, Czech Republic. Within the years of developing our products as well as ourselves, we have become one of Europe's leading producers of GPS monitoring devices and software.

Certifications

We hold certifications such as ISO/IEC 27001 for Information Security Management, ISO 9001 for Quality Management and a quality system which complies with Annex IV and Annex VII of the Directive 2014/34/EU for Equipment or Protective Systems or Components Intended for use in Potentially Explosive Atmospheres (ATEX).



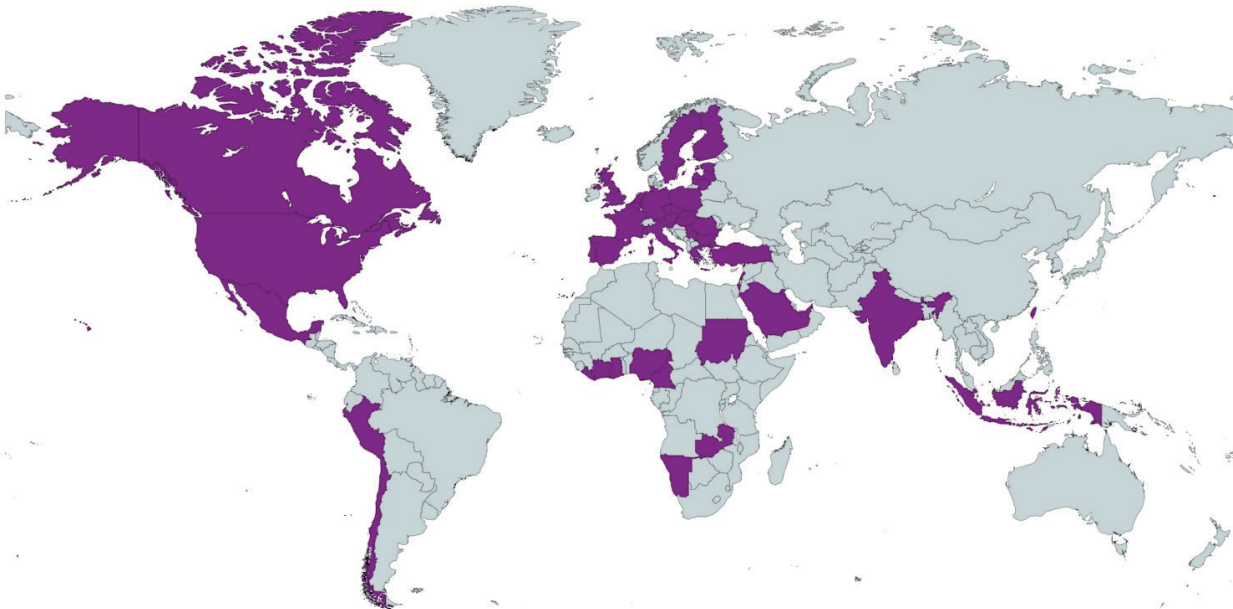
Products all over the world

We have developed many different types of GPS units for different uses and solutions. Whether you own cars, company vans, trucks, construction or agricultural machinery, whether you are a logistics or transport company, a small business or a freight or rail carrier, you will surely find the right GPS unit for you.

You can choose from GPS battery trackers with a remarkable battery life of up to several years or solar trackers with minimum maintenance requirements and a long lifespan. For professional vehicle and heavy equipment monitoring, we offer trackers for fixed installation which allow unlimited monitoring with even more detailed data. We also bring a patented self-charging GPS unit for monitoring wagons as a part of the SmartWagon concept. Our GPS units can also be equipped with Bluetooth 5.0 interface for communication with external sensors, that allow you to monitor transport conditions.

Monitoring system Positrex[™] is the last link in the chain of our complete product portfolio. Thanks to this, we can offer our customers a comprehensive electronic monitoring solution of units within one available platform, either as an online portal or mobile application.

Currently, more than 100 000 of our GPS units are used in 47 countries across the world.



SOLUTIONS



Solution for locomotives and smart wagons



- » **Online tracking** - easier and more efficient management (traffic log)
- » **Mileage information** - watch the mileage of owned/rented cars
- » **Anti-theft security** - automatic alarm/notification in case of unauthorised manipulation
- » **Quick and Easy installation** - no other additional costs
- » **Maintenance management** - overview of planned and implemented maintenance
- » **Safety Improvement** - crash and derailment prevention
- » **G-shock detection** - damage reduction (when shunting/roughness on railway)
- » **Wide range of measured values** - e.g. loading status, braking system pressure, load temperature and humidity, open/closed doors
- » **Fuel measurement** - take advantage of the fuel sensor.

Rail wagon and locomotive management is a complex activity that carries the risk of many errors and high maintenance costs. We've created a solution that puts all essential information in one place, thereby simplifies the work and reduces your expenses.

Even small fleets are worth monitoring

- » **Online tracking of vehicles and motorcycles** - watch it live on a map
- » **Detailed automatic Log book** - with unlimited history
- » **Wide range of measured values** - altitude, temperature, humidity, air pressure
- » **Tilt and shock sensors** - will warn you in cases of crash or towing
- » **Geofence function** - set geofences to know when monitored vehicles enter or leave
- » **Anti-theft security** - alarm/notification based watchdog, remote engine shut-off
- » **Trip purpose switcher** - between personal and private use
- » **Driving evaluation** - assessment of driver behaviour helps optimizing your costs

Log book - a neverending nightmare of all entrepreneurs. No matter if you have a single vehicle or a whole fleet, our monitoring units provide you with automatic log book, anti-theft security including remote engine shut off and many more.



Operate your trucks the smarter way



- » Online tracking of trucks and semi-trailers
- » Detailed automatic Log book - with unlimited history
- » Freight conditions monitoring - temperature, humidity, air pressure
- » Anti-theft security - automatic alarm/notification in case of unauthorised manipulation
- » Fuel Economy - overview of consumption from tanks and fuel cards consumption
- » Maintenance management - overview of planned and implemented maintenance
- » Easier communicaton - direct communication between freight agents and drivers
- » Driving evaluation - assesment of driver behavior helps optimizing your costs
- » Advance your customer care - report trip details to your customers
- » Tachograph - possibility of tachograph reading
- » BT sensors - monitoring of temperature and other parametres during transport

The straightway to increase your profit and get ahead of the competition is to know all details about vehicle use and its work efficiency. We bring a complete set of solutions to optimize performance in truck transportation. Delivery delays will no longer be unpleasant surprises for you.

Tracking devices are no longer for transportation only

- » Exact GPS location of your containers, heavy equipment, parcels and other properties
- » Anti-theft security - automatic alerts in case of unauthorised manipulation
- » Monitoring of transport parameters: temperature, humidity, atmospheric pressure
- » Geofences - set a geofence and be informed about the location of the container
- » Waterproof battery units - a functional solution in any environment

Our solutions find their effective applications not only in cargo monitoring and container transport, but also in the monitoring of construction and agricultural machinery. Our strengths include flexibility in the form of in-house development and production under one roof, which enables us to develop tailor-made solutions for our customers.





PRODUCTS



TotalFinder

UNIVERSAL MONITORING UNIT FOR LONG-TERM MONITORING WITH EXTREMELY LONG LASTING RECHARGEABLE BATTERY AND EASY INSTALLATION BY STRONG MAGNETS



Online tracking, Trip history, Acceleration, Statistics, Driver behaviour evaluation, Wide range of other values (see wireless external sensors)



Portable
Strong magnet attachment



2G | NB-IoT | LTE - Cat M1



Bluetooth 5.0 Long range receiver
Range up to 100m/30m indoors
Connection of up to 10 sensors



15 600/21 600 mAh - rechargeable
Up to 4 years on a single charge



Movement Detection, Tilt Detection, G-shock, Temperature



Capacity of 5000 events or positions



USB-C



-25°C up to +70°C
Charging +5°C up to +35°C



IP66 - Waterproof



177 x 85 x 25 mm




550 g




TotalFinder Solar


SOLAR POWERED MONITORING UNIT FOR LONG-TERM MONITORING OF RAIL WAGONS, TRAILERS AND HEAVY MACHINERY WITH EASY AND SECURE INSTALLATION BY STRONG MAGNETS




 Online tracking, Trip history, Acceleration, Statistics, Driver behaviour evaluation, Wide range of other values (see wireless external sensors)

 Portable
Strong magnet attachment

 2G | NB-IoT | LTE - Cat M1


 Bluetooth 5.0 Long range receiver
Range up to 100m/30m indoors
Connection of up to 10 sensors


 Solar charging
Battery capacity 15 600 mAh
5+ years - maintenance free

 Movement Detection, Tilt Detection, G-shock, Temperature

 Capacity of 5000 events or positions

 -25°C up to +80°C

 IP66 - Waterproof

 177 x 85 x 25 mm

 550 g

TotalFinder Industrial

HEAVY DUTY GPS MONITORING AND TRACKING UNIT WITH AN UNPRECEDENTED BATTERY LIFE



Online tracking, Trip history, Acceleration, Statistics, Driver behaviour evaluation, Wide range of other values



Portable
Strong magnet attachment
Rivet installation option



2G | NB-IoT | LTE - Cat M1



4 x 19Ah @3.6V - primary
Up to 10 years (6 posititons per day)



Movement Detection, Tilt Detection, G-shock, Temperature



Capacity of 5000 events or positions



-35°C up to +75°C



IP69 - Waterproof



189 x 88 x 48 mm



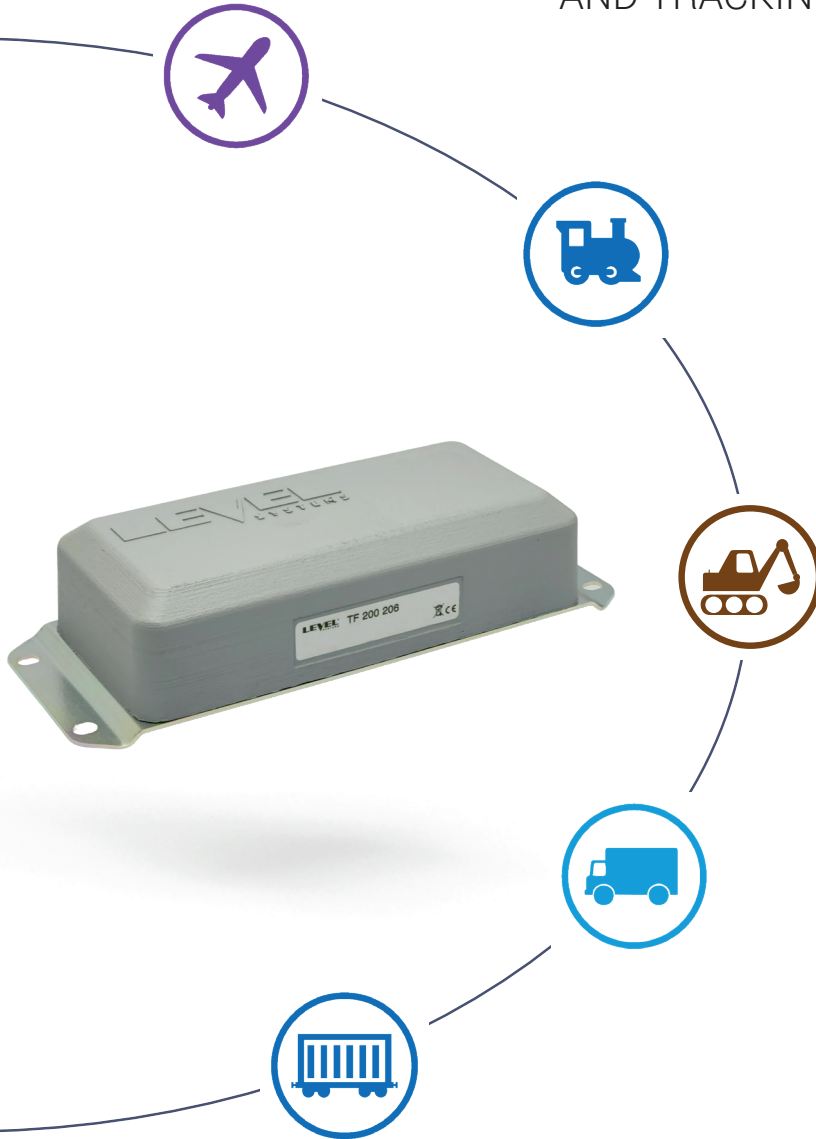
1200 g



TotalFinder ATEX

TF200

ATEX CERTIFIED HEAVY DUTY GPS MONITORING AND TRACKING UNIT WITH AN UNPRECEDENTED BATTERY LIFE



Online tracking, Trip history, Acceleration, Statistics, Driver behaviour evaluation, Wide range of other values



Portable
Rivet installation



2G | NB-IoT | LTE - Cat M1



4 x 19Ah @3.6V - primary
Up to 10 years (6 positions per day)



Movement Detection, Tilt Detection, G-shock, Temperature



Capacity of 5000 events or positions



-35°C up to +75°C



IP67 - Waterproof



189 x 88 x 48 mm



1200 g



II 2G Ex ib IIB T4 Gb
II 2D Ex ib IIIC T135°C Db

TotalTracker

BATTERY GPS TRACKING DEVICE FOR LONG-TERM MONITORING OF VEHICLES AND WITH USB CHARGING AND EASY INSTALLATION ON MAGNET



Online tracking, Trip history, Acceleration, Statistics, Driver behaviour evaluation



Portable (magnet attachment)



2G | NB-IoT | LTE - Cat M1



7 800 mAh - rechargeable
Up to 24 months on a single charge



Movement Detection, Tilt Detection, G-shock, Temperature



USB-C



Capacity of 5000 events or positions



-25°C up to +70°C
Charging +5°C up to +35°C



IP66 - Waterproof



120 x 80 x 24 mm



220 g



TotalTracker cable version

THE CABLE VERSION WITH A BACK-UP BATTERY FINDS ITS USAGE ESPECIALLY WHERE IRREGULAR POWER SUPPLY OF GIVEN OBJECT OCCURS.



Online tracking, Trip history, Acceleration, Statistics, Driver behaviour evaluation



Fixed installation



2G | NB-IoT | LTE - Cat M1



7 800 mAh - rechargeable
Up to 24 months on a single charge



Bluetooth 5.0 Long range receiver
Range up to 100m/30m indoors
Connection of up to 10 sensors



Movement Detection, Tilt Detection,
G-shock, Temperature



1x analog/ 1x binary / Out 1x / One wire
(Dallas)



Capacity of 5000 events or positions



-25°C up to +70°C
Charging +5°C up to +35°C



IP66 - Waterproof



120 x 80 x 24 mm



250 g

CompactTracker

COMPACT GPS MONITORING UNIT FOR TRACKING AND SECURITY OF MOTORCYCLES, VEHICLES, PARCELS AND LUGGAGE.



Online tracking, Trip history, Acceleration, Statistics, Driver behaviour evaluation



Portable



2G | NB-IoT | LTE - Cat M1



3 400 mAh - rechargeable
Up to 12 months on a single charge



Capacity of 5000 events or positions



Movement Detection, Tilt Detection,
G-shock, Temperature



USB-C covered by rubber cap



-20 °C up to +65°C
Charging +5 °C up to +35°C



IP30 - Use in a dry environment



50 x 90 x 20 mm




130 g



VehicleTracker


FIXED MONITORING UNIT FOR CARS AND TRUCKS. OPTIONALLY WITH A BACK-UP BATTERY, RS232 OR CAN INTERFACE AND RF SENSOR INTERFACE.




 Online tracking
Trip history, Speed, Statistics,
Wide range of other values (see sensors)

 Fixed Installation


 2G | NB-IoT | LTE - Cat M1

 380/3400 mAh - rechargeable*


 Capacity of 5000 events or positions


 Bluetooth 5.0 Long range receiver
Range up to 100m/30m indoors
Connection of up to 10 sensors

 Movement Detection, Tilt Detection,
G-shock, Temperature

 Binary / Analog IN 2x, Binary IN 1x
Binary OUT 2x, CAN / RS232**

 -25 °C up to +55 °C*
-25 °C up to +65 °C

 IP30 - Use in a dry environment

 50 x 90 x 20 mm

 50 g

* Version with a back-up battery

** Depends on the version of product

AxleRing

PATENTED SELF-CHARGING GPS UNIT FOR MONITORING AND ASSET TRACKING OF RAIL AND TRANSIT CARS



Online tracking, Trip history, Exact mileage, Axle blocking detection, Statistics, Wide range of other values (see wireless external sensors)



Simple installation around wagon axle



2G | NB-IoT | LTE - Cat M1



Bluetooth 5.0 Long range receiver
Range up to 250m/30m indoors
Connection of up to 100 sensors



Self-charging
Charging at speed >40 km/h (25mph)
Capacity - 7 800 mAh



Movement Detection, Cargo hold temperature/humidity, open/closed door, G-shock, Blocked axle detection



Capacity of 5000 events or positions



-35°C up to +70°C



IP66 - Waterproof



ø195 mm / ø284 mm x 100 mm
(inner/outer diameter x width)



2000 g













*AxleRing is temporarily available for testing purposes only.
For more details please contact our sales representative.*

BT 5.0 Wireless External Sensors

WATCH A WIDE RANGE OF VALUES FROM THE CARGO HOLD. MAKE SURE THE DOORS ARE CLOSED AND THE CARGO IS TRANSPORTED UNDER THE RIGHT CONDITIONS



-  Cargo hold temperature, humidity
-  Bluetooth Low Energy
BT 5.0 compatible
-  Compatible with:
AxleRing, TotalFinder, TotalTracker,
VehicleTracker
-  1000 mAh - 2200 mAh
(up to 5 years) - replaceable batteries
-  Installation by screws or
double-sided adhesive tapes
-  Range up to 100m
-  -20 °C up to +70 °C
-  IP67/ IP69 - Waterproof
-  49 x 66 x 17.5 mm | 72 x 45 x 22 mm
-  22g - 50g

For the full list of Bluetooth sensors see page 19.

NB-IoT Monitoring Sensor

OUR NARROWBAND IoT & LTE CAT M1 SENSOR WILL FIND ITS USE NOT ONLY IN TRANSPORTATION BUT ALSO IN REAL ESTATES OR PUBLIC SERVICES. THE SENSOR SENDS ALL MEASURED VALUES DIRECTLY TO THE CLOUD. THANKS TO THE IoT TECHNOLOGY THE SENSOR OFFERS UNIQUE COVERAGE AND UNPRECEDENTLY LONG BATTERY LIFE.



Parameter monitoring: Temperature, atmospheric pressure, relative humidity



NB-IoT | LTE - Cat M1



Compatible with monitoring systems Positrex



Battery capacity 14 000 mAh. Up to 5 years with one measurements per hour



Portable or installation by screws or double-sided adhesive tapes



Area with NB-IoT | Cat M1 signal coverage



-25 °C up to +85 °C



IP 32 - Outdoors only in a covered dry place



50 x 80 x 38 mm



150 g (battery included)





ACCESSORIES |

		TotalFinder	TotalFinder Solar	Total Finder Industrial	TotalFinder ATEX	TotalTracker	TotalTracker cable version	CompactTracker	VehicleTracker	AxleRing
Bluetooth accessories		<i>For the type of products equipped with BT interface only. For customised solution please contact our sales department.</i>								
BS 010 390	Bluetooth temperature sensor	✓	✓			✓	✓		✓	✓
BS 020 130	Bluetooth robust temperature sensor	✓	✓			✓	✓		✓	✓
BS 030 380	Bluetooth access card	✓	✓			✓	✓		✓	✓
BS 040 540	Bluetooth door sensor	✓	✓			✓	✓		✓	✓
Other accessories										
ED 002 002	External GPS antenna with 2m cable						✓		✓	
ED 030 100	Over-voltage protection						✓		✓	
ED 060 500	Driver identification contact reader						✓		✓	
ED 060 550	Driver identification contact ID button						✓		✓	
ED 060 614	Power switch relay for engine cut						✓		✓	
ED 060 615	Switch type of journey						✓		✓	
ED 073 525	Driver identification contactless card						✓		✓	
ED 073 526	Driver identification contactless button						✓		✓	
ED 073 531	Driver identification contactless reader						✓		✓	
ED 075 804	CAN bus converter								✓	
MD TF1 002	Robust metal holder for secure fixing	✓	✓							
MD 092 001	Tool for releasing the unit form holder	✓	✓							
MD TF2 002	Metallic plate holder for rivet installation			✓	✓					
SA 092 001	USB charger 2A (including cable)	✓				✓		✓		

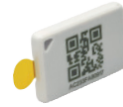
20 | Accessories



BS 010 390



BS 020 130



BS 030 380



BS 040 540



ED 002 002



ED 030 100



ED 060 500



ED 060 550



ED 060 614



ED 060 615



ED 073 525



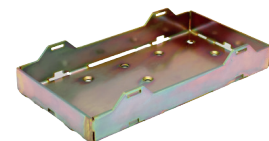
ED 073 526



ED 073 531



ED 075 804



MD TF1 002



MD 092 001



MD TF2 002



SA 092 001

Platform Positrex⁾⁾⁾

Positrex⁾⁾⁾ monitoring system helps in many different areas and gathers all possible data you might need to know about your vehicles, trains, parcels or even places.

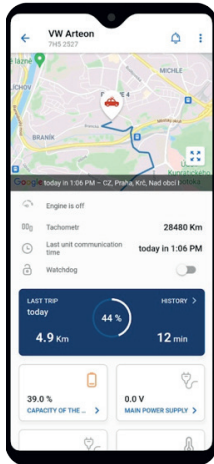
The more information you have and the quicker you get it, the better and faster decision making. You can react much quicker than ever before.

The system also includes features such as efficient route planning, maintenance costs tracking, driver behaviour assessment, a wide range of notifications and various statistics.

- » WEB portal fully customizable for your brand and business
- » Positrex⁾⁾⁾ app for Android and iOS
- » API-led connectivity to your system available
- » Available in 16 languages
- » Overall view with up-to-date localization
- » Automatic Log book, speed record and record of trip events
- » Vibration and crash detection
- » Geofencing options
- » Fuel consumption monitoring
- » Temperature, humidity, air pressure and many other values

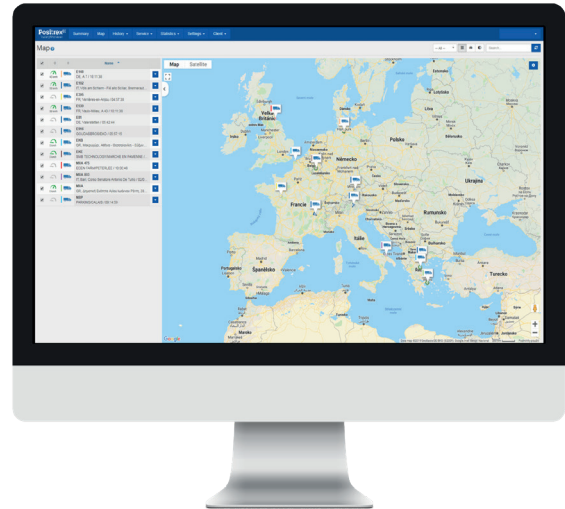


Mobile application



- » Real-time localization (accuracy to 5m)
- » Speed, altitude, temperature, humidity, air pressure
- » Unlimited electronic logbook (export in PDF)
- » Push notifications
- » Smart anti-theft security
- » Geofencing - set up a monitored area of interest
- » Fuel economy and maintenance log management
- » Available on App Store
- » Available on Google Play

Online portal



- » All mobile app features
- » Free tracking interval selection
- » Driver behaviour evaluation
- » User accounts with specific roles / rights
- » Booking tool for rentals and leasing services
- » Logbook with advanced data export (in XLS, XML, PNG, GPX)
- » Maintenance log with notifications of upcoming maintenance
- » Detailed statistics and data comparison options



Positrex)))
Watch it



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