



# Industrial Product Catalog

Improve safety. Increase productivity. Reduce costs.









# Power Up Your Fleet

Improve material handling safety – for vehicle and operator – increase productivity, and reduce fleet costs with Powerfleet. Power up your industrial vehicles with advanced technology devices, powerful cloud-based software, and the industry's most data-rich analytics platform.

We pioneered the use of wireless technology to control, track, and manage forklift fleets of all shapes and sizes. For decades, we have been at the forefront of global innovation to deliver world-class lift truck fleet management solutions.

## **Intelligent Analytics**

Powerfleet integrates the largest, richest database of its kind, encompassing millions of forklift activity data points from every kind of material handling activity, in every type of facility, across all industries.

## **Regulatory Compliance**

Ensure regulatory safety compliance by using our electronic checklist completion before vehicles can operate. Manage access control with an existing employee ID badge to ensure driver training and accountability.

## **Beyond Telematics**

We offer a broad portfolio of forklift management products, including access control, camera systems, speed control, forklift scales, pedestrian safety, anti-theft, and driver ergonomics.

## **Leaders Chose Us**

We serve thousands of customers across industries such as automakers, forklift OEMs, CPG companies, food producers, industrial conglomerates, heavy equipment manufacturers, retailers, and government institutions.

# Why Powerfleet?

Powerfleet delivers the intelligence you need to make better decisions and stay connected to your assets.

- More than 25 years experience in telematics globally
- 8,000+ companies have selected Powerfleet for their IoT needs
- Organisational financial strength and stability
- Seamless integration with robust developer toolsets
- Repeatable standardised series of APIs
- Our platforms are highly configurable
- Robust analytics with customisable reporting
- White glove service with a dedicated team to help take the stress off you and enable you to focus on what matters
- We provide comprehensive technology solutions and innovative safety products for the Industrial Truck/Material Handling markets world-wide.
- We provide product and installation training so that you can be fully prepared to answer your customer's questions.
- We provide solutions that work, add significant value and improve safety for your customers.
- You'll be supported with our best in class help desk and support.
- Powerfleet University provides free technical and installation training for your technicians.












# Managing Access

Powerfleet for Industrial has a telematics solution for every sized powered industrial truck fleet. We ensure that your operations are compliant, efficient, and cost effective with electronic record keeping and safety checklists to maintain regulatory compliance and automate your business, central recording, report management and robust graphing.

Our solutions allow site managers of all fleet sizes to ensure that only certified operators are using their equipment, when they have completed required safety inspections, and how their equipment is operated to reap the savings of safer and highly productive industrial truck operations.

Our systems are designed for user simplicity with powerfully comprehensive analytics that deliver total visibility and management, with control and views that can be tailored to any fleet's specific needs. Customisable options are available including impact detection and control parameters, lists of all new vehicle operators for training and oversight, display sensors and triggers for events such as seat and seatbelt switches, oil sensors and timeouts, and much more.

# Solutions Overview

	Powerfleet® Essence	Powerfleet® Expert	Powerfleet® Enterprise
Access Control	✓	✓	✓
Electronic Safety Checklist	✓	✓	✓
Impact Sensing	✓	✓	✓
Predictive Maintenance	✓	✓	✓
Reporting and Analysing Methods	Basic	Extended	Versatile, Scalable, Ingenious
Data Communication			
Management Software	Control Center (iOS)	INFOMATICS	VisionPro®
System Integration		✓	✓
Productivity		✓	✓
Tracking			✓
Business Intelligence Tool, Incl. Data Integration			✓

# Powerfleet Enterprise

Real-Time. Real Fixes.  
Real Cost Savings.

Built upon 25+ years of industry experience, cutting-edge engineering details, and hundreds of lessons learned from the world's best supply chains.

Powerfleet® Enterprise combines an advanced hardware device, powerful online software, and the industry's most data-rich analytics platform. Get an intelligent, wireless computer that combines critical safety controls with insightful data collection on the performance of both vehicle and operator.



## Features and Benefits

- Simple dashboards for fleet and system status at a glance
- Automatic exception reporting for data you need, when you need it
- Integrated tools for instant access to user help, training, and support
- Advanced data search, sorting, filtering, and graphing functions for flexibility
- Accessible anywhere, anytime, from any device—smartphone, tablet, desktop

## Popular Options

- Powerfleet IQ™ data analytics
- Real-time vehicle location visibility
- "Breadcrumb trail" playback of travel paths Integration with Google Maps™ for outdoor applications
- Integration with WMS, ERP and maintenance software systems



Powerfleet ENTERPRISE HARDWARE:

# VAC4S

The VAC4S and Powerfleet Enterprise provide wireless, automated control & monitoring of industrial vehicles. Powerfleet Enterprise empowers companies to effectively manage, track, monitor, and control their powered industrial vehicles and the operators who use them. It helps improve material handling productivity, reduce costs, and increase visibility by establishing accountability for the use of forklifts and other industrial trucks, ensuring equipment is in the proper place at the right time, streamlining work flow, and measuring vehicle utilisation.

Powerfleet Enterprise reduces fleet maintenance costs by automatically monitoring vehicle status, reporting equipment problems electronically, scheduling maintenance according to actual vehicle usage rather than by calendar or manual data entry, and helping determine the optimal economic time to replace equipment. Powerfleet Enterprise and the VAC4S help improve workplace safety and security by restricting vehicle access to trained, authorised operators, enforcing electronic safety inspection checklists, and sensing vehicle impacts.

## Features

- Integrated micro-computer with highly configurable firmware to accommodate any wireless communication needs
- Installs on virtually any industrial vehicle (forklifts, tow tractors, etc.)
- Rugged construction withstands harsh environmental conditions
- All components (antennae, card reader, etc.) protected inside the VAC
- Supports a variety of access control options to accommodate existing facility credentials (proximity card, iButton, keypad, etc.)
- Provides electronic safety checklists via built-in display and 20-key keypad
- Automatically records & uploads/downloads key vehicle/operator data
- Wide range of optional sensors (GPS, impact, speed/distance, loaded/unloaded, etc.)
- Performs functions at all times: constant wireless connectivity not required

## Problems Solved

**Unproductivity:** Movement and load tracking

**Safety Compliance:** Automated, configurable and multi-lingual safety checklists

**Forklift Damage:** Impact management and automated alerts

**Unauthorised Operators:** RFID card or numeric code required for access

**Visibility of Assets:** Near real-time location of all assets displayed on map



ACCESS CONTROL

## SPECIFICATIONS/CERTIFICATIONS

Dimensions	124 x 146 x 51 mm
Weight	0.6 kg
Operating Temperature Range	-40° to +85° C (No display below -27° C)
Operating Humidity Range	95% RH, Non-condensing (MIL-STD-810F)
IP Rating	IP67, meets NEMA 6 (ANSI/IEC 60529)
Vibration	12.6 G RMS random vibration (MIL-STD-810F)
Shock	20 G and 40 G, 11 msec sawtooth pulse (MIL-STD-810F)
Bump	20 G, 6 msec for 15,000 cycles
Input Voltage	Works on any vehicle with batteries from 9–100 VDC
Wireless	802.11b/g/n, 2.4 + 5GHz Open, WEP-64, WEP-128, WPA-PSK (TKIP), WPA2-PSK (AES), WPA-EM (PEAP-MSCHAPv2), WPA2-EM (PEAP-MSCHAPv2), SHA-256
Power Consumption	100-280mA [10-40mA], lower power mode won't drain battery Back-up Battery Life: 10 years typical
Memory	4MB x 16 RAM, 2MB x 16 Flash
Clock	Real-time
Display	Back-lit, graphical monochrome LCD; 4 LED indicators visible up to 30 m
Access Control Reader	Embedded options (proximity, iButton, Indala, etc.)
I/O Interfaces	9 analog inputs, 2 digital inputs, 1 analog output, 1 serial port input/output
Regulatory Certifications	FCC Part 15, CE, CSA, UL, R&TTE, ROHS





# APIs

## Enterprise Reporting

### Telematics application program interfaces for flexible integrations.

Powerfleet Enterprise APIs were designed to help our customers and partners develop integrations with Powerfleet industrial solutions for robust and aggregated reporting. They are a collection of data exchange end points that allow Powerfleet customers to send data to and receive data from Powerfleet in a standardised, repeatable, and reliable process. These exchanges are frequently used to simplify administration for customers who have other enterprise applications or to pull data into their customers' analytics platforms.

#### Benefits

- Standardised series of APIs created
- Provides developer toolset — reduces time and effort of the technical developer teams
- Enables more data points to be shared
- Supports future planning for additional data points

#### Features

- REST design with JSON-encoded responses
- OAuth2 authentication
- Acknowledgment process to prevent data duplication
- Automated monitoring and diagnostics
- Scalable data sets in easy-to-use end points

#### Problems Solved



Eliminate duplicate data entry



Automate maintenance work order creation



Combine telematics data and other data sources in a single data lake



Enterprise-wide analytics, configurable dashboards

# Powerfleet Expert

## Helping Create a High Performing Culture of Safety.

Quickly and accurately monitor utilisation, damage, and safety compliance.



Powerfleet Expert provides intelligent fleet management solutions that deliver complete regulatory compliance, automated safety, a low total cost of ownership (TCO), and comprehensive fleet visibility and management. Easy to install, use, and maintain. Electronic record keeping, and safety checklists, ensure that your fleet operations are compliant with standard operation procedures, efficient, and cost effective.

### Low Cost of Ownership

Powerfleet Expert is an affordable, easy to install solution that supports Wi-Fi infrastructure combined with the software platform Infomatics (hosted in the European Union).

### Regulatory Compliance

Powerfleet Expert automates the recording of key data to provide proof of compliance with regulatory statutes and mandates.

### Full Automation

Powerfleet Expert automates record keeping and leverages the latest technology to ensure safe operations and prevent unauthorised usage.

### Visibility and Management

Powerfleet Expert delivers total visibility and management, with control and views that can be tailored to sites or departments.



## Powerfleet EXPERT HARDWARE:

# OC55

The OC55 operator console together with Powerfleet Expert ensure that your material handling equipment is used by authorised operators only, the required safety inspection has been completed and the equipment is being operated safely while meeting health & safety regulation compliance. Expert is designed for simplicity, from simple installation to intuitive use and management. It delivers powerful results without consuming your time. All at an affordable price.



ACCESS CONTROL

## Features

- Easily installs on any vehicle (OEM-agnostic)
- Rugged construction withstands harsh environmental conditions
- Device starts and turns on ignition and starter via relays
- Access control (RFID card or PIN code)
- Electronic safety checklists
- Impact sensing
- Optional sensor connections
- Automated notification and reporting of key vehicle/operator
- Cloud-hosted (in the EU) Powerfleet Infomatics software: comprehensive data collection for in-depth analysis
- Languages: EN, ES, FR, GER

## Problems Solved

**Safety Compliance:** Automated safety checklists

**Forklift Damage:** Impact sensing

**Unauthorised Operators:** Access control

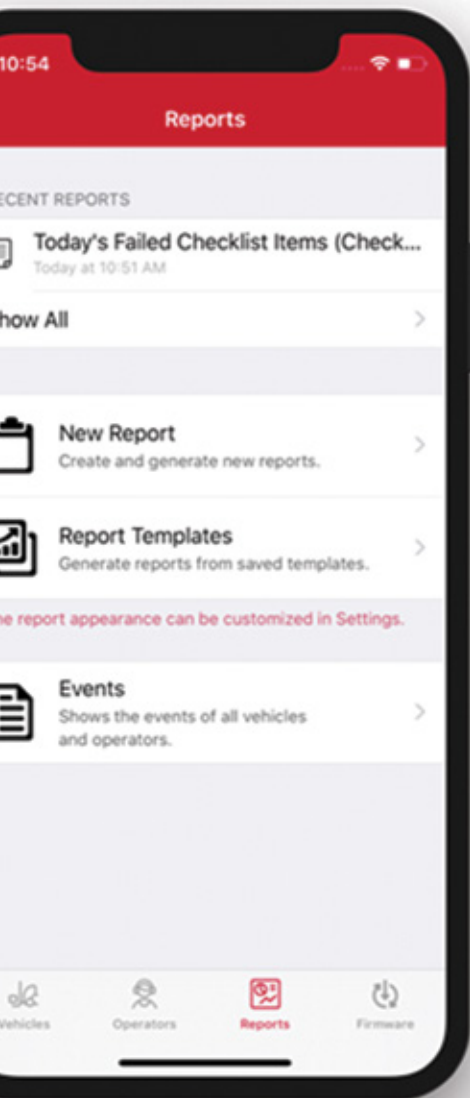
**Fleet Utilisation:** Right size your fleet and improve utilisation

## SPECIFICATIONS/CERTIFICATIONS

Dimensions	103.5 x 89.5 x 46.5 mm
Operating Temperature Range	-40° to +80° C
IP Rating	IP67
Input Voltage	9 to 60 VDC (converter required for 80VDC)
Power Consumption	450mA (active mode), ~2mA (sleep mode)
Back-up Battery Life	5 years
Memory	1MB flash
Display Technology / Resolution	Color TFT / 320 x 240 pixels
Display Dimensions	92 X 100 X 55 mm
Status LEDs	1
I/O	Analog: 0/1 Digital: 3
Accelerometer	3 axis (reporting X and Y)
Antenna	RF Range up to 30 m
Regulatory Certifications	ISO9000, RoHS, CE

# Powerfleet Essence

No I.T. Department Needed.  
Now That Is Easy.



Easy to install out of the box, electronic record keeping and safety checklists, and no need for IT departments ensures that your operations are compliant, efficient, and cost effective.

Powerfleet Essence ensures site managers in warehouse, manufacturing, distribution, retail and construction environments with small fleets can have peace of mind knowing that only certified operators are using their equipment, when they have completed required safety inspections, and how their equipment is operated to reap the savings of safer industrial truck operations. Powerfleet Essence is designed for simplicity, from simple installation to intuitive use and management.

## Capture and Display

See all listed events as configured, all authorised operators for a vehicle, and the status of all active vehicles.

## Define

Define access control, impact, sensors, checklists, shifts, hour meters, maintenance and much more.

## Create

Create safety checklists, impact detection and control parameters, and list all new vehicle operators.

## Configure

Configure and display sensors and triggers for events such as seat and seatbelt switches, oil sensors and timeouts.



## Powerfleet ESSENCE HARDWARE:

# OC53

The Powerfleet Essence OC53 ensures site managers in warehouse, manufacturing, distribution, retail and construction environments with small to mid-size fleets can have peace of mind knowing that only certified operators are using the equipment, the operator has completed the required safety inspection and that the equipment is being operated safely. Powerfleet Essence is designed for simplicity, from simple installation to intuitive use and management. It delivers powerful results without consuming your time.

## Features

- Device starts and turns on ignition and starter via relays
- Access control (RFID card or PIN code)
- Provides electronic safety checklists via built-in display
- Impact sensor
- Optional sensor connections (seat belt, seat switch)
- Rugged construction withstands harsh environmental conditions
- Easily installs on any industrial vehicle (OEM-agnostic)
- Bluetooth for local communications to iPad or iPhone and the Powerfleet Control Center application with automated data collection from your nearby (up to 30 m) fleet
- Communication with the Powerfleet Control Center application works out-of-the-box
- Automatically records and uploads/downloads key vehicle/operator data
- Languages: EN, ES, FR, GER

## Problems Solved

**Safety Compliance:** Automated safety checklists

**Forklift Damage:** Impact sensing

**Unauthorised Operators:** Access control

**No IT department** and no Wi-Fi: Bluetooth communication eliminates IT and Wi-Fi security concerns



ACCESS CONTROL

## SPECIFICATIONS/CERTIFICATIONS

Dimensions	103.5 x 89.5 x 46.5 mm
Operating Temperature Range	-40° to +80° C
IP Rating	IP67
Input Voltage	9 to 60 VDC
Power Consumption	450mA (active mode), ~2mA (sleep mode)
Back-up Battery Life	5 years
Memory	1MB flash
Display Technology	Color TFT
Display Dimensions	92 X 100 X 55 mm
Display Resolution	320 x 240 pixels
Status LEDs	1
Keys (numeric)	5 (10/2); (other): Start / Stop (power on)
I/O	Analog: 0/1 Digital: 3
Accelerometer	3 axis (reporting X and Y) External Accelerometer Support
Bluetooth	BLE v4.2
Antenna	RF Range up to 30 m
Regulatory Certifications	ISO9000, RoHS, CE, FCC Part 15 (BLE module only)

# A Culture of Safety

Powerfleet has been dedicated to securing the safety of forklift operators and pedestrians since our inception. Today, we are the only company that provides a full suite of safety and theft solutions for every sized powered industrial truck fleet and warehouse need — designed to withstand the toughest of applications.

Our systems secure fleets with camera systems to record what happened before, during and after (video and audio). We extend the lifespan of vehicles to reduce overhead costs with innovative solutions to prevent speed and abuse with state-of-the-art electronic throttles that cannot be tampered with by personnel. We employ rugged and precise weighing devices, comprehensive safety systems, lift truck and overhead crane safety lights for pedestrian safety to keep operators, pedestrians and all equipment safe and productive year around — **all from the industry's most trusted brand.**
























# Overview of Camera Systems

80% of forklift accidents involve a pedestrian.

A single forklift accident could cost your company 150.000 € or more.

Get better line of sight in material handling operations through video solutions. Improve operator training and coaching through reviewing video recordings and keep operators accountable. Increase operators' visibility to help prevent collisions and damage.

	CP4 DVR System	VAI-100 Pedestrian & Vehicle Warning*
Augmented Driver View		
Display	7"	7"
Image/Video Retrieval	  	 
Low Light Operation		
Max. Camera Connections	4	3
DVR	Events Continuous Loop	Events
Telematics Event Integration		
Image Blurring for Privacy		
Object Identification AI		
Collision Warning		

\*Product not currently available in Europe

# Pedestrian Warning System

## VAI-100

AI-enabled video pedestrian and vehicle warning system. Collisions caused by material handling equipment, such as forklifts and lift trucks, are the second most common cause of freight damage and inventory loss. The VAI-100 Pedestrian and Vehicle Warning System is an advanced artificial intelligence (AI) video solution designed to help prevent accidents and avoid damage for industrial vehicles such as forklifts. Material handling operators are expected to balance being highly productive while maintaining a safe working environment. This AI video solution notifies operators of potential hazards and imminent danger and help maintain a culture of safety at the worksite.



Two fully configurable field-of-view zones (red and yellow) for each camera warn of objects or people approaching hazardous areas and reduce nuisance trips around machines. Identifying potential risks without reliance on special apparel or wearables makes this solution universal and more reliable.

### Features

- No wearables/apparel for recognition
- Image capture of events
- Automatically detects objects of interest (people, other industrial vehicles, stop signs, etc.)
- Dual zone option provides advanced warning and critical action based on proximity to the vehicle
- Activation based on direction of travel
- Visual and audible driver notification of risk
- Wireless connectivity
- Facial blurring to ensure privacy
- 120° field of view for up to 3 cameras
- Dust and tamper-resistant lens cover
- Integration with telematics solutions for vehicle control, mapping and analysis of events



### Problems Solved

**Collision Avoidance:** Warn drivers of collision risks before an incident occurs

**False Claims and Accusations:** Image capture of events if warnings are ignored

**Enhanced Training:** Event recordings for driver coaching on high-risk behavior and locations

**Safety and Accountability:** Reinforces safe operations and provides evidence of incident accountability

### SPECIFICATIONS/CERTIFICATIONS

Detection Range	120° field of view; ~ 1 to 10 m distance
LED Warning Lights	Red and yellow
Audible Alert	70-94 decibels @ ~ 1 m
Inputs	2 digital (5-30VDC), 1 USB, 1 ethernet 10/100/1000
Outputs	3 analog (12-30VDC, 5A), 1 HDMI
Input Power	9-24VDC (optional power converter for higher voltages)
Power Consumption	500mA (nominal), 2.5A (maximum)
IP Rating	IP65
Wi-Fi (option)	2.4GHz, 802.11 dual band; most security protocols supported
Operating Temperature	-20° to +50° C
Operating Humidity	up to 90% relative humidity, non-condensing
Size/Weight	280 x 120 x 110 mm (camera); 2.7 kg
Regulatory Certifications	CE

\*Product not currently available in Europe

# CP4 System

The CP4 is a DVR recorder system designed for the industrial truck market. It comes with up to 200 hours of video and audio recording storage and supports up to 4 cameras. Optional web-based software, cellular and WiFi connectivity options are available. Functioning of CP4 is second to none, as it records exactly what happened before, during and post incident. This powerful system can be used by management for keeping track of their operators, equipment usage, equipment location, precise checklist completion, impact force of an accident, damaged product, and verifying false accident claims. Time stamped video can also be used for increasing awareness for shift timing.



## Video Playback and Analysis

- Each DVR comes with PC analysis software
- Up to 200 hours of continuous video recording
- Google Earth export tool for advanced route tracking
- Save/print feature for event reports
- MP4 conversion tool
- Masking feature (blurring faces and vehicle numbers) can be enabled to keep the privacy intact

## Problems Solved

**False Claims and Accusations:** Live tracking of events (before, during and after event)

**Enhanced Training:** Training drivers with pre-recorded videos

**High Quality Night Recording:** IR vision weatherproof cameras

**Unauthorised Access:** DVR comes with a key locked vented box

**Safety and Accountability:** Reinforces the safe operations and provides evidence of incident accountability

## Features

- D1 video recording on all CH 1-3, D1 on CH 4.
- 128GB SD storage capacity, record up to 150 hours of footage on all 4 cameras
- Customisable video resolution and frame rate
- GPS records full-time data to provide accurate location, vehicle speed and date/time
- Google Maps integration for precise route tracking
- Driver activated events can be controlled through wired remote control and event record button
- Advanced search function with filters for time/date, event, vehicle speed
- Cameras are IP69K Waterproof rated
- Optional Web Based Software for notifications as well as quickly reviewing events without having to pull the SD Card; Cellular and Wi-Fi options are available

## CP4 SPECIFICATIONS/CERTIFICATIONS

Video In	CH1, Ch2: D1 camera in CH3: 12V D1 camera in CH4: 12V D1 camera in
Audio In	1 Ch (internal or external microphone)
AV Out	1 Video out, 1 Audio Out
Video Resolution	1080p HD (1920x1080), 720p (1280x720) D1 (NTSC: 720x380; PAL: 720x576)
Record Mode	Continuous, Event, Dual mode
Memory	SD Card: 128GB (FAT32)
GPS/GLONASS	External GPS/GLONASS
G-Sensor	Internal 3-axis G-sensor
Alarm In/Out	3x Alarm In, 2x Alarm Out
Remote Control	3x LED, Panic button, M1 & M2 Button
LED	Green LED (Network), Blue LED (Record), Red LED (Warning)
Power	DC 12V/24V 3A Input, 36W Max Consumption Supports Delayed power shutdown Ignition-on sensing
Size/Weight	120 x 28 x 90 mm / 166 g
Operating Temperature	-10°C to ~ +55°C
Regulatory Certifications	CE - RoHS



# Forewarner MAXI

Honored by Plant Engineering's prestigious Product of the Year Award, FOREWARNER-MAXI ensures pedestrian safety under overhead cranes by projecting a solid blue or red tightly focused LED spot or line on the floor below an overhead crane hook location. In addition, it aids precise positioning for overhead crane operators.

## Features

- Prevents pedestrian accidents by alerting pedestrians to overhead crane hook location
- Increases overhead crane operator accuracy
- Highly mobile to ensure precision
- Powerful 24 LED projection
- Available in solid blue or red
- Waterproof, rugged design made to withstand harsh environments

## Problems Solved

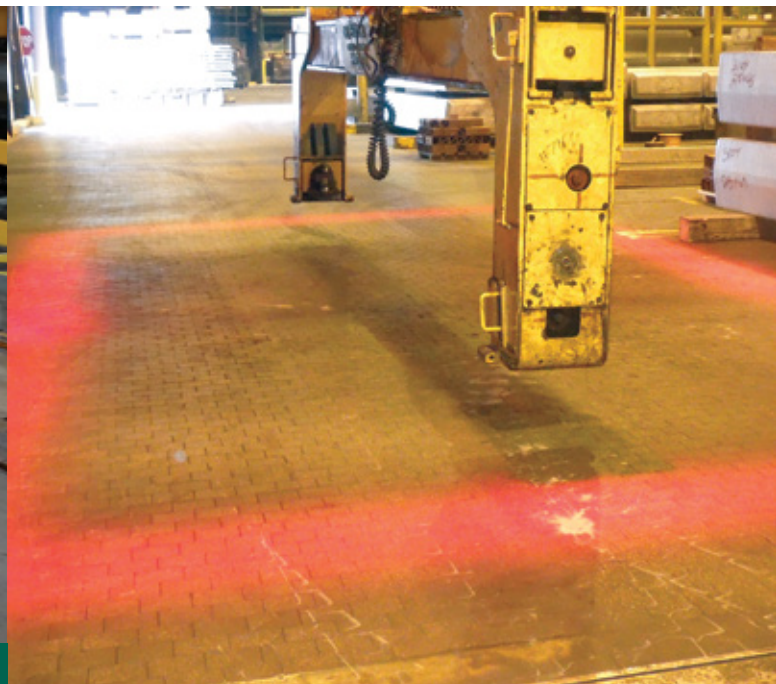
### Pedestrian Safety Near Overhead Cranes:

Alerts pedestrians/workers to location of overhead crane hook

### Inaccurate Operation of Overhead Crane:

Provides operators with a frame of reference for precise operation

**Ineffective Audible Alarms:** Visual warning to pedestrians in loud environments



## SPECIFICATIONS/CERTIFICATIONS

Power	120 Watts - 72 Watts, depending on LED colour
Voltage	9-60V DC
Lumens	12000 lm 8400 lm
LEDs	24 (Cree LED)
Beam Type	Pencil beam
Size	229 X 98 X 234 mm
IP Rating	IP67
Working temperature	-40° to ~ +85°C
Material	Aluminum die-cast housing
Packaging	Individually boxed with foam
Adjustable mounting bracket	150 degree up/down
Cable Length	3.3 m
Lifetime hours	up to 30,000 - 50,000 hours
Regulatory Certifications	ISO9000 - CE - RoHS

# Forewarner

FOREWARNER promotes workplace safety by preventing dangerous pedestrian and vehicle collisions. Easily mounted to a forklift, it projects a bright spot on the floor's surface – alerting pedestrians and other vehicles in the area, regardless of ambient noise, to the nearby presence of the vehicle. As the forklift travels, a bright blue or red LED light glides across the floor about 5 m ahead of or behind it (depending on the mounting location), letting pedestrians know that a forklift is approaching.

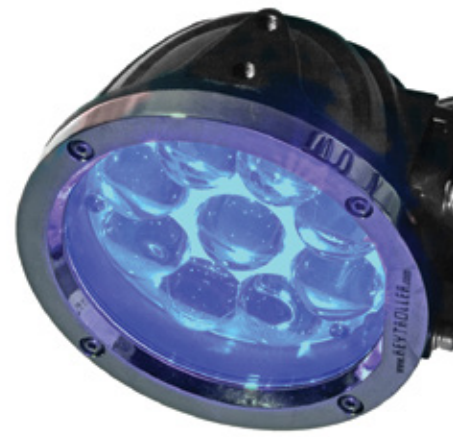
## Features

- Easy-to-install and maintenance-free
- Includes adjustable mounting bracket for precise positioning
- Equipped with 9 high-powered LED lights (6 or 10W) for Forewarner or Equipped with 2 high-powered LED lights (6 or 10 watts) for Forewarner Arrow
- Installs on any industrial vehicle (forklifts, tow tractors, etc.)
- Designed for indoor and outdoor use
- Available in blue or red

## Problems Solved

**Forklift Related Accidents:** Alerts pedestrians and other vehicles of forklifts approaching blind corners, cross aisles and exiting semi-trailers

**Noisy Environments:** Traditional audio alarms can blend into ambient noise in the building and pedestrians can become immune to the audio



## SPECIFICATIONS/CERTIFICATIONS

FWN - 45W - LDS0041B (45 Watt Blue)	
FWN - 27W - LDS0041R (27 Watt Red)	
LED 9 Focused — CREE 45 Watt (B) 27 Watt (R)	
Supply voltage	9 to 60 VDC
Size	199 X 128 X 28 mm
IP Rating	IP68
Material	Aluminum die-cast housing
Cable length	3.3 m
Lifetime hours	up to 30,000 - 50,000 hours
Regulatory Certifications	ISO9000 - CE - RoHS



# Forewarner Sideline LED

FOREWARNER-SIDELINER LED promotes workplace safety by preventing dangerous pedestrian and vehicle collisions. Easily mounted to a forklift, it projects a bright LED line on the floor's surface—alerting pedestrians and other vehicles in the area, regardless of ambient noise, to the nearby presence of the vehicle. As the forklift travels, a bright green or Red light glides across the floor about 4.5 m on the side, ahead of or behind it (depending on the mounting location), letting pedestrians know that a forklift is approaching.

## Features

- Easy-to-install and maintenance-free
- Includes adjustable mounting bracket for precise positioning
- Equipped with 6 high-powered LED lights (18 watts)
- Installs on any industrial vehicle (forklifts, tow tractors, etc.)
- Designed for indoor and outdoor use
- Available in Green and Red

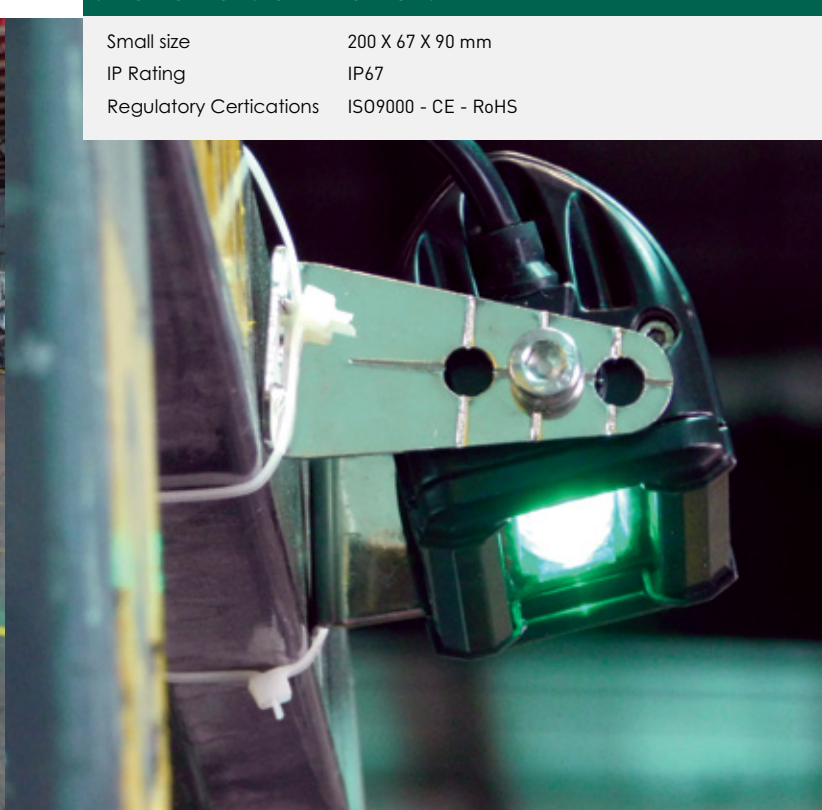
## Problems Solved

**Forklift Related Accidents:** Alerts pedestrians and other vehicles of forklifts approaching blind corners, cross aisles and exiting semi-trailers

**Noisy Environments:** Traditional audio alarms can blend into ambient noise in the building and pedestrians can become immune to the audio warning

## SPECIFICATIONS/CERTIFICATIONS

Small size	200 X 67 X 90 mm
IP Rating	IP67
Regulatory Certifications	ISO9000 - CE - RoHS





# Keyshock

KEYSHOCK is an invaluable, easy-to-use system that protects your equipment from abusive operators. The system activates when an impact exceeds a predetermined level, alerting management to abusive impacts and improper handling. Comprehensive software puts you in control by allowing management to set sensitivity parameters, program alarm preferences.

## Features

- Alerts to vehicle impacts and abusive handling
- Absence of battery power does not reset alarm (only management can reset after alarm is initiated)
- Easy-to-install on any make or model vehicle
- Highly customisable alarms
- Must be re-initialed after impact by management

## Problems Solved

**Vehicle Damage:** Alerts management to vehicle abuse

**Operator Accountability:** Provides management with operating reporting

**Impact Accuracy:** Impact levels can be predefined



## SPECIFICATIONS/CERTIFICATIONS

Programmed via USB connection on laptop (FREE software)

Password protected log in for settings.

Enable/disable any of X-Y-Z axis. Set sensitivity for each axis independently.

Set "ignore" time for each axis (ms).

Set style for each output independently.

View current output of each axis (helpful in setting accurate threshold).

Regulatory Certifications: CE - RoHS

# WeighTroller

WEIGHTROLLER-100 is an economical hydraulic forklift scale for industries that involve large loads and heavy machineries. It comes equipped with an easy-to-read LCD screen, which indicates a load's calculated weight and bar graph of the load's status, for user-friendly application. This highly accurate scale does not require time consuming periodic recalibration or servicing. Developed to withstand abusive applications, the WEIGHTROLLER-100 fits seamlessly to any make or model forklift.



## Features

- Waterproof, easy-to-read LCD display
- Designed for heavy industrial use
- Accurate hydraulic system, accurate to +/- 2% of the forklift capacity (e.g. +/-100# when installed on a forklift that has a 5000# load capacity)
- Includes external audible alarm to sound when the programmed weight limit is exceeded Economical

## Problems Solved

**Overload notification**

**Weight Verification**

**Cost effective weighing system**

**No loss of load center**

**Increased forklift efficiency**



## SPECIFICATIONS/CERTIFICATIONS

Voltage	12—24VDC (voltage converter required for 36 + 48VDC)
Sensor Range	0—250bar
Temp Range	-20 to +40° C
Size	89 X 75 X 20 mm
Weighing Accuracy	+/- 2% of forklift lift capacity
Warranty	1 year
IP Rating	IP67
Endurance tested for	High and low temp shock, Overvoltage reliability, Vibration reliability, High shock reliability, Condensation, salt spray reliability
Regulatory Certifications	CE



# Precise

PRECISE is an on-board hydraulic weighing system that provides an ideal solution for those looking to track production data and freight loads with exceptional accuracy. Designed for heavy industrial use, a forklift can weigh a load in only 5 seconds. This will ensure your shipments will not exceed trailer capacity, waybills match actual weight, lift truck capacity is not exceeded, and material inventory matches actual weight.

## Features

- Waterproof LCD intuitive touchscreen displays in LBS or KG
- High Accuracy nearly that of a load cell type weighing system
- Designed for heavy industrial use. The PRECISE cannot be damaged in tough abusive applications
- Exceptionally accurate hydraulic system (accurate to +/- 0.2% of the forklift capacity) i.e. +/- 5 kg for a 2500 kg rated forklift.
- Optional external audible alarm to sound when the programmed weight limit is exceeded
- Time stamped data can be extracted with Wi-Fi, Bluetooth, direct printer connection, USB stick and SD card

## Problems Solved

### Easy and accurate load verification

**Weighing** is quicker and more efficient than using a floor scale

**Track weighing** by Truck number or Product

**Weighing events** can be identified by PO # or Customer name

**Optional printer** produces receipt or label with each weighing event

**Built in OVERLOAD system.**

## SPECIFICATIONS/CERTIFICATIONS

Supply Voltage	12VDC Optional power converter used on electric forklifts
Temp Range	-20° to +50° C
IP Rating	IP67
Display Size	132 x 112 x 47 mm
Bypass Size	85 x 170 x 47 mm
Sensor Range	0 – 250 bar
Certifications	CE





## Our Commitment to You

We help individual sites and global enterprises deliver best-practice results. Our solutions help organizations:

- **Reduce** operating and capital costs
- **Improve** safety and security
- **Maintain** compliance with regulations
- **Optimize** productivity
- **Enhance** customer satisfaction
- **Increase** your bottom line
- **Achieve** ROI in less than a year on average

## Interested in Becoming a Partner?

Partner with Powerfleet to tap into new ways to grow your business, drive sales leads and build your market presence like never before.

- **We provide** industry leading technical/customer support to you and your customers.
- **We have dedicated** Channel Sales Managers to help you meet the needs of your customers.
- **Our experts** provide product and installation training so that you can be fully prepared to answer your customer's questions.
- **We enable** you to offer services and solutions that provide your customers with additional benefits and to differentiate yourself in the marketplace.

Save **Lives, Time and Money**  
with **POWERFLEET**

# Strong Track Record. Field-Proven Technology. World Class Support.

Powerfleet® Inc. (NASDAQ: PWFL) is a global leader of Internet-of-Things (IoT) solutions to provide valuable business intelligence for managing high-value enterprise assets that improve operational efficiencies. Our patented technologies are the proven solution for organisations that must monitor and analyse their assets to improve safety, increase efficiency, reduce costs, and drive profitability.

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