

velavu

Asset Management Ecosystem



Asset management defined

Asset management comprises of the location, movement and condition of a company's assets and inventory. This includes monitoring of:

Essentials

Tools + equipment
Personnel

Vehicles

Commercial fleets
Maintenance

Environment

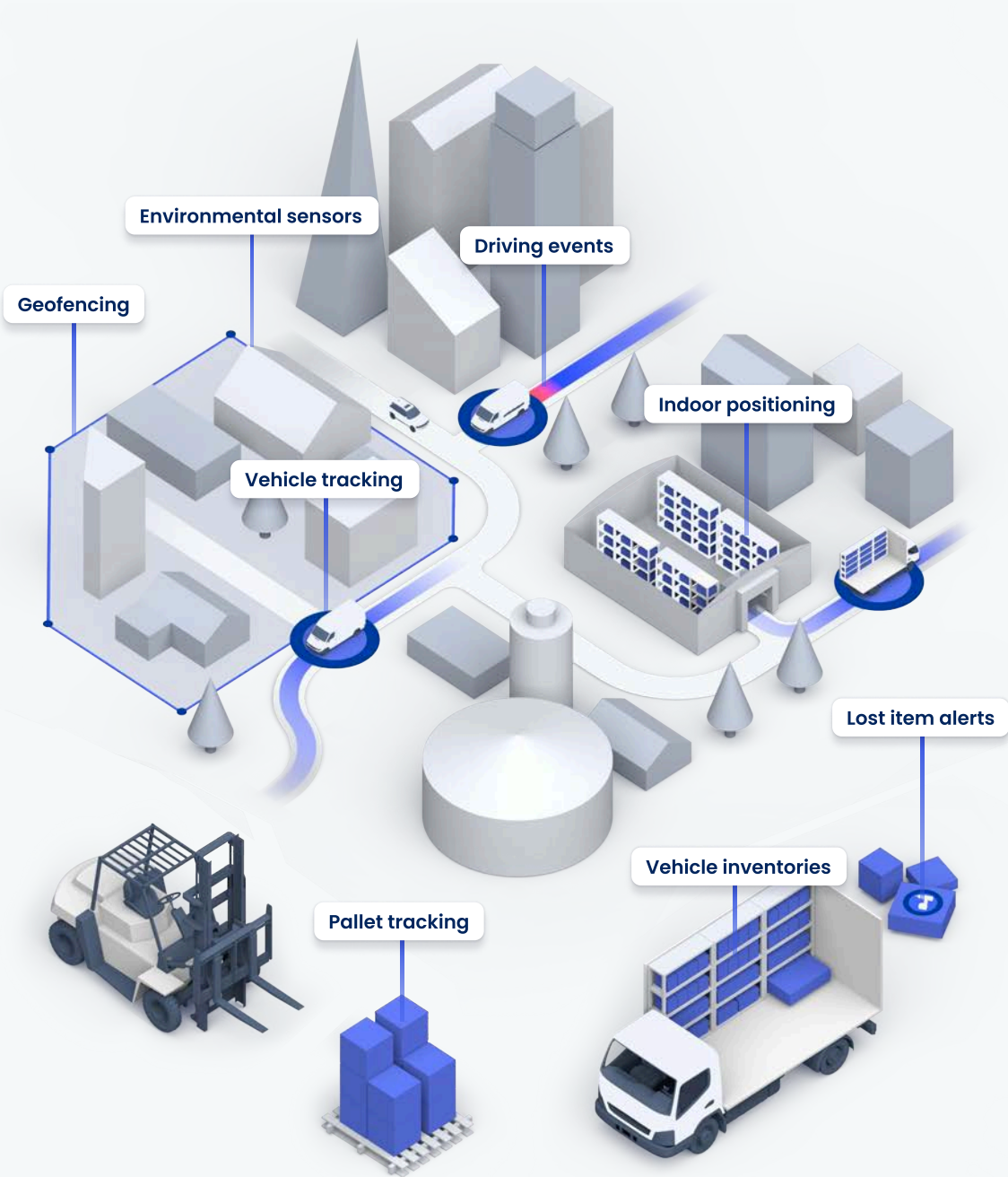
Temperature + humidity
Site + cargo conditions

Ecosystems like Velavu offer additional functionality like analysis and analytics on assets and their environments – providing essential data for effective decision making.



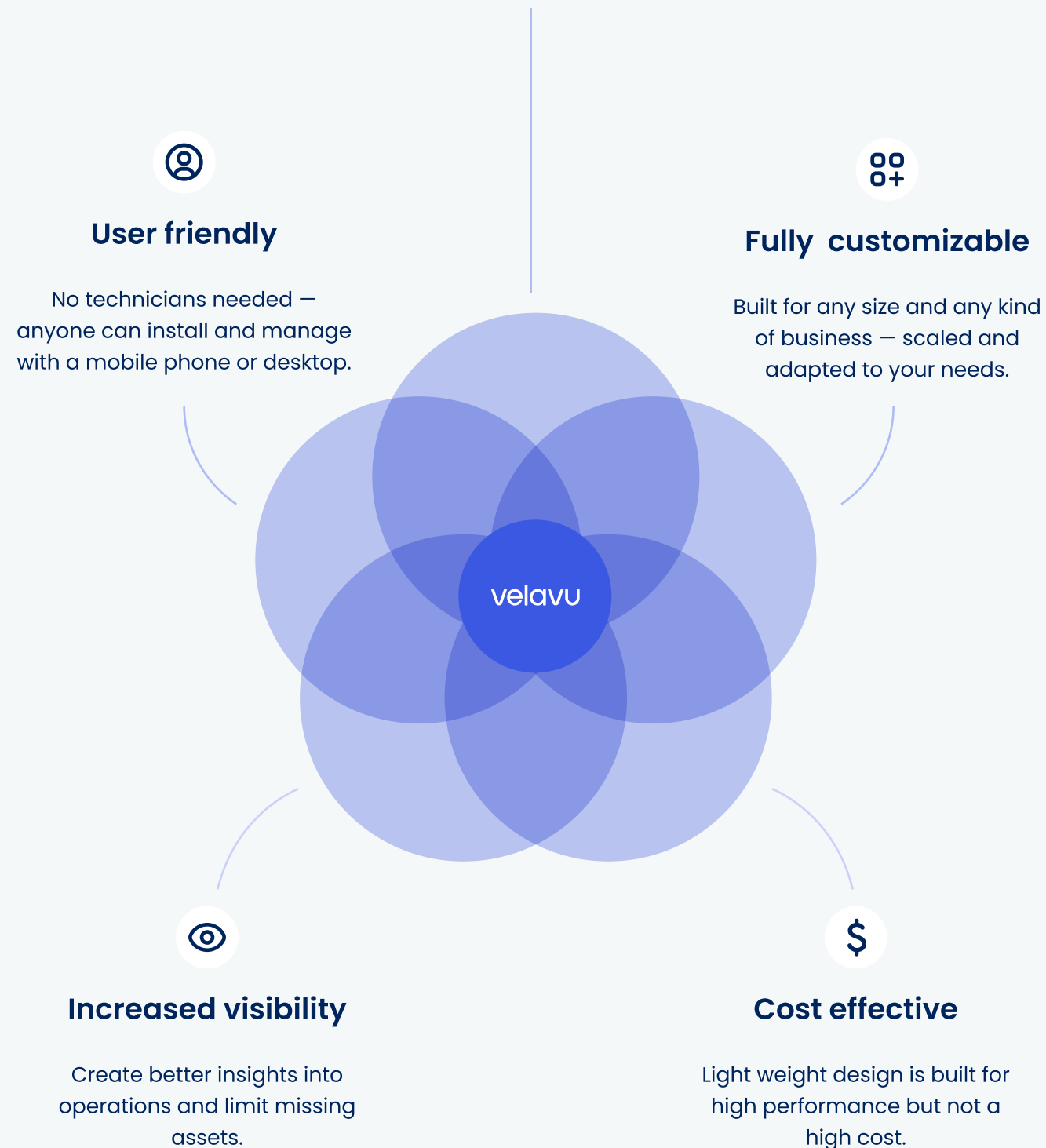
Track with Velavu

Velavu is a comprehensive system of asset tracking and management, providing expanded visibility into your operations. In the Velavu ecosystem, each product integrates seamlessly to increase accuracy and streamline workflows. These fully customisable and reliable products are designed to keep an eye on all your assets, whether they're indoors, outdoors, or on the go.



Simply powerful

Powerful devices integrated into an easy-to-use ecosystem



The Velavu advantage

User friendly

No need for a background in IT, Velavu has a quick set up and can be operational within minutes. Simply place and go — the system takes care of the rest. With the easy-to-use software, anyone with a mobile phone can master it. A robust mesh network comprised of devices with long battery life serve to minimize maintenance effort and expense.

Fully customisable

Velavu is designed to be redesigned. Rather than trying to force a round peg into a square hole, these fully-embedded products are intentionally built to adapt to any scenario. Track and manage every kind of asset in one interconnected system — whether its indoors, outdoors, or on the go — you can monitor your assets, their surroundings, and set up a solution optimised for your operation.

Increased visibility

Get the bird's eye view and the nitty gritty, ground-level details of your operations and assets — leading to actionable insights that save time and money. Discover bottlenecks, eliminate wasted resources searching for assets, track maintenance needs, and set alerts to respond to changes in the environment that could damage equipment or inventory.

Cost effective

These devices are not only light weight, reliable, and high performing, but some of the most competitively priced on the market. As a wireless system, Velavu doesn't require any large installation, maintenance or technician costs. Velavu's battery powered devices automatically connect to each other during setup and avoid the hassle of connecting to power.

Common industry use

As a flexible system, Velavu offers value across several industries to meet the unique needs of every kind of business. While not limited to the following industries, businesses that commonly benefit from incorporating asset management systems into their operations are as follows:

Transportation & logistics

Trucking, couriers + private fleets
Wholesalers + warehousing

Public services

Emergency services
Public works

Natural resources

Agriculture + greenhouses
Mining + energy

Construction & heavy industry

Construction + infrastructure
Manufacturing

Healthcare

Hospitals + assisted living facilities
Rehab + treatment centres

Smart cities

Connected infrastructure
Energy monitoring



Transportation & logistics



Warehousing



Greenhouses

Case study: construction

An unmonitored construction operation creates delays, lost revenue, and unnecessary burdens on management and construction crews. The Velavu ecosystem provides multi-level visibility and control of construction worksites, equipment and vehicle fleets.

Vesta GPS tags offer the real-time location of vehicles within your fleet, while the Velavu mesh network and embedded trackers provide more precise locations of smaller assets within a worksite or building. Easily assign assets like tools or ladders to a specific vehicle and set alerts to notify crews if assets leave designated areas, are stored on wrong trucks, or left behind at the end of the day. The Velavu platform lets you track all aspects of your operation, including multi-site monitoring.

Powerful insights supplied by trackers and environment sensors provide detailed information to improve company performance and enhance safety. Gain a clear picture of driver safety with notifications for driving events such as speeding, hard braking and accelerating. Monitor vehicle health and set preventive maintenance reminders to ensure your fleet spends less time in the shop and more time on the job. Or perform better project oversight by evaluating stock inventory, equipment availability and track depreciation to keep your team safe and your projects running smoothly.



Arda tag



Engineered to track
without limits



LTE-M BLE NFC Wirepas GPS

Vesta

Mobile gateway

Vesta is both a standalone GPS + LTE asset tracker, and a Wirepas Mesh gateway. Built to last, the ruggedised IP67 enclosure means it can withstand even the harshest environments. Vesta features a multi-band LTE antenna and SIM that supports global cellular operation to ensure out-of-the-box connectivity wherever you go.

Power: USB-C or up to 14 day battery life

Sensors: Accelerometer and Gyroscope

Dimensions: 60 x 60 x 24 mm



BLE NFC Wirepas

Arda

Asset tag

Providing precise locations of assets within an indoor or localised area, Arda is an impressively small tracking device that also acts as an environmental sensor. Ruggedized and waterproof, Arda will adhere to virtually any surface and track any of your assets.

Power: 1 year battery life, non-replaceable coin-cell

Sensors: Accelerometer, Temperature and Humidity

Dimensions: 25 x 33 x 9 mm



BLE NFC Wirepas

Pavo

Mesh anchor

To enable the precise positioning of people or assets within a mesh network, install Pavo anchors to fixed locations to create your trackable area. Whether it's inside a facility or on an outdoor worksite, pavos are waterproof and built to withstand the elements. Pavo can also be configured as an asset tag with higher battery capacity compared to Arda.

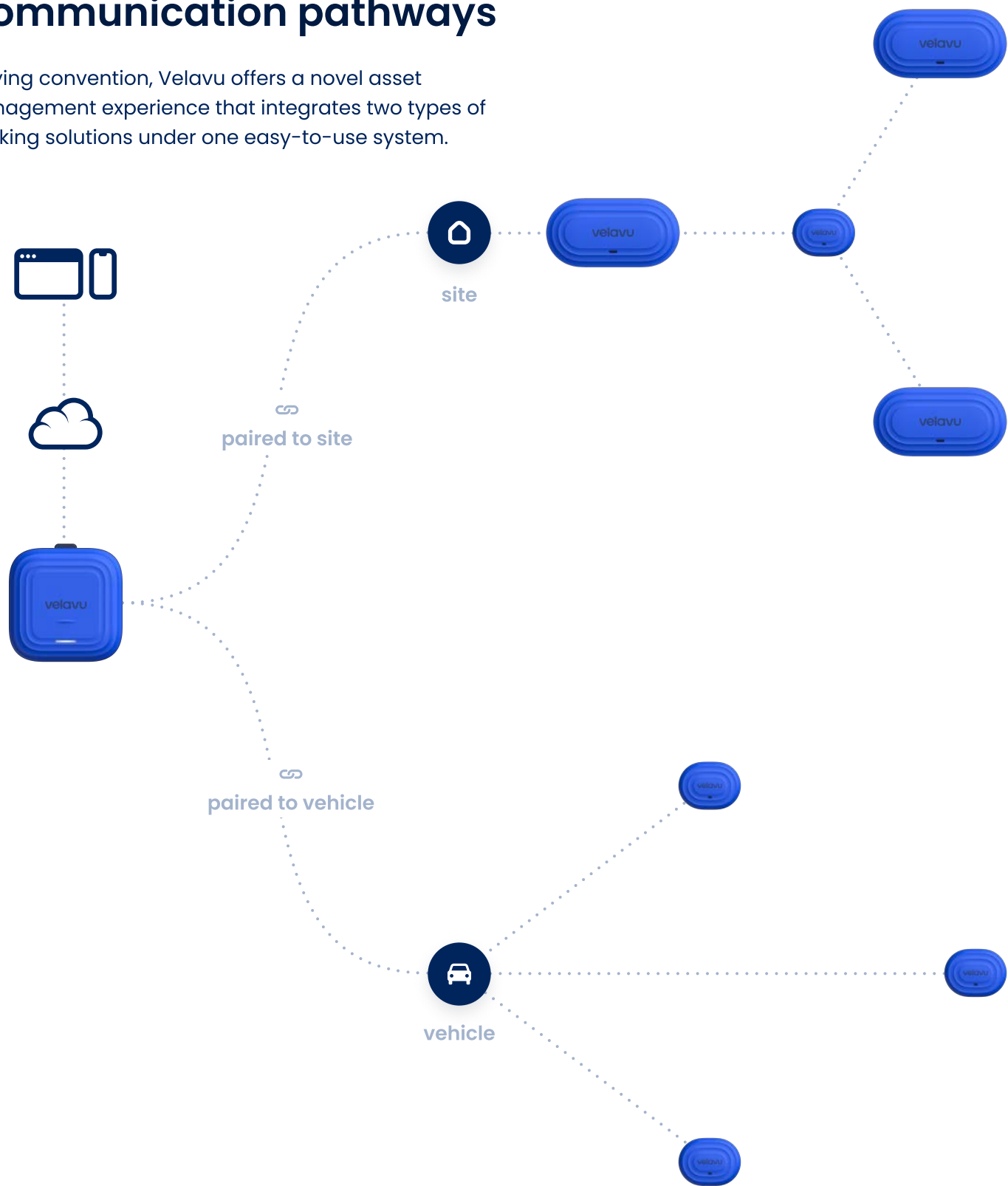
Power: 5 year battery life, user-replaceable coin-cell

Sensors: Accelerometer, Temperature and Humidity

Dimensions: 36 x 70 x 17 mm

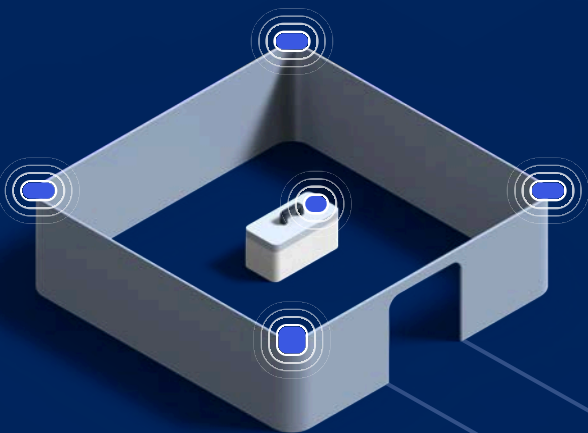
Communication pathways

Defying convention, Velavu offers a novel asset management experience that integrates two types of tracking solutions under one easy-to-use system.



Inside the grid

A mesh network is formed by a grid of fixed Pavo anchors that accurately track and locate items in real time using signal strength. Information is relayed back to the network's gateway – Vesta – and communicated directly to the Velavu mobile and web app. Mesh networks are used for localized areas gather precise positioning and detailed environmental data.



On the go

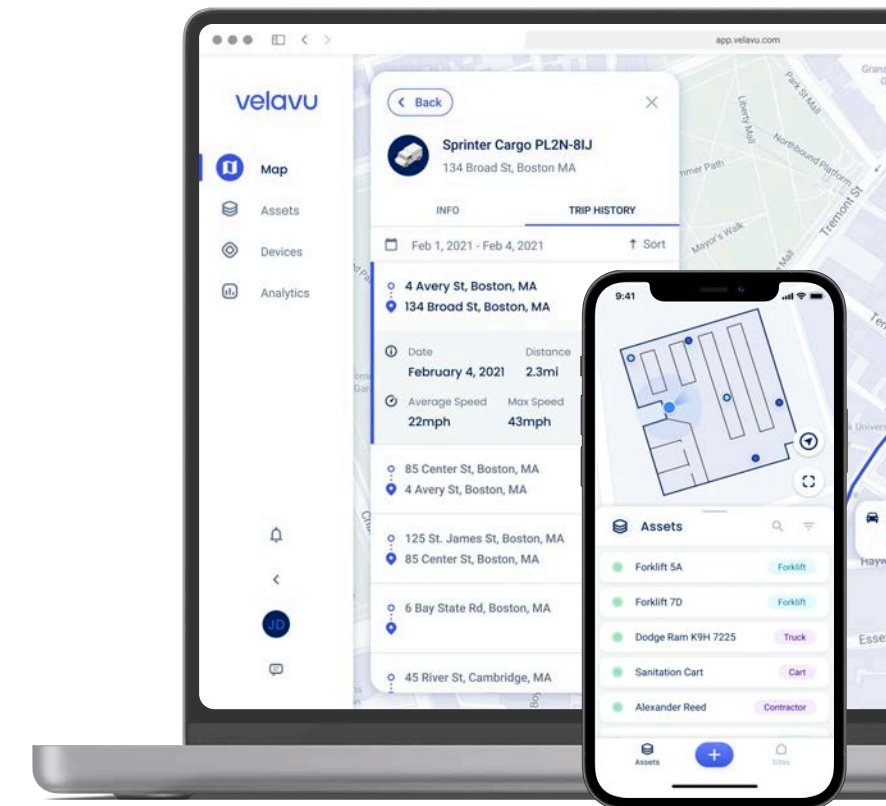
To track on the go assets, simply place Vesta within a vehicle for global location monitoring. In addition, Vesta functions as a gateway, facilitating the tracking of nearby cargo and equipment paired with Arda asset tags. For increased visibility, assets and inventory can be assigned directly to specific vehicles and alert users if an asset is left behind or leaves a designated area.





Web + mobile

Velavu's asset management web and mobile apps combine powerful functionality with a modern, intuitive design. Monitor all of your assets with one system complete with 24/7 information access, live and historical location data, heat-maps, geofencing, inventory management, and the customised data sets you need. REST API access and developer support is also provided for integration with existing customer applications.



Analytics

View detailed information on driver safety, environment monitoring like temperature fluctuations, or process times to adjust and optimise your operation.



Safety

Receive notifications for potentially unsafe driving events and patterns, such as speeding and harsh braking or accelerating.



Environmental data

View live and historical temperature and humidity data for your assets and spaces.



Real-time positioning

Track movement, travel time, or plan and adjust routes as needed.



People

Ensure employee safety with real-time location monitoring, or collect data on work performance indicators like time spent completing tasks.



Asset inventory

Keep up-to-date on the whereabouts of smaller assets to prevent them from getting left behind or stolen.

velavu

Let's connect.

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 velavu.com