

Omnisense

knowhere anywhere Series 500 Positioning



Industrial

Site Logistics, Yard Management, Safety, Mining, Construction, Marine, Fleet Management, Worker Proximity.



Agriculture

Dairy cow monitoring (oestrus, well-being, lameness), Animal Husbandry, Environmental Monitoring.



Emergency Services

Firefighters, First Responders, Police, Prisons, Incident Management, Event Management and Security.



Healthcare

Dementia Care, Post-operative Care, Sports and Fitness Training, Careworker Protection, Athlete Tracking, Sport.



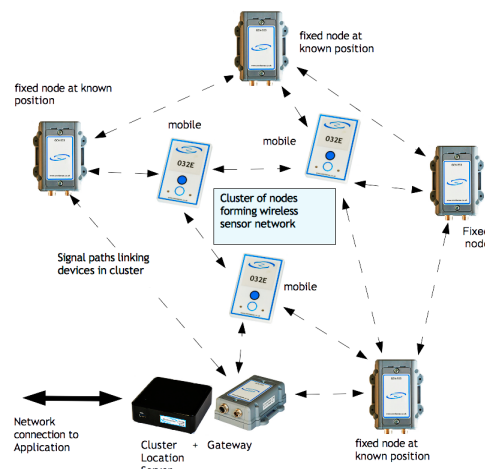
Defence

Soldier Training, GPS-denied Situations, Situational Awareness, Blue force Tracking, Asset management



Omnisense Series 500 System

The system is low cost, extremely flexible, and provides true position and behavioural information indoors and outdoors.



Next Generation Positioning

Omnisense has created a new breed of wireless sensor network which enables real time geolocation capability to track people, animals and assets anywhere, without the need for permanent or preinstalled infrastructure.

The new Series 500 system consists of self-initialising devices which communicate with one another at 2.4GHz to form a mesh network. Each device knows where the others are in relative terms by measuring the time of arrival of radio signals from neighbours.

The devices incorporate inertial sensors, LEDs and buttons and can also optionally carry external telemetry data.

Omnisense Benefits

The patented cluster positioning techniques offer significant advantages over traditional approaches:

- Low cost and easy installation (expensive fixed infrastructure not required)
- Real-time positioning with high accuracy
- Full positioning capability including orientation, direction and motion characterisation
- Support for large networks and high position update rates
- Works indoors and outdoors
- Complementary to GPS or works in conjunction with GPS to extend coverage or automate set-up
- Outputs are delivered to third-party applications over TCP/IP using industry standard internet protocols.

Device	Description
CLS-504	Cluster Location Server providing WAN interface
CLP-593	Location Player Software
GCN-523	Standard personnel node
GCN-533	Industrial rugged node
GCN-534	Industrial flexible node
	A Auxiliary I/O option
	R External Antenna
	W Wi-Fi backhaul
	G GPS for self-localisation
Extras	Charging, cables, I/O, solar panel, etc



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