BIQMIND POSITIONING SOLUTION

Secure personnel & asset tracking in harsh & hazardous environments. Easy to deploy. Built for scale across solutions & sites.
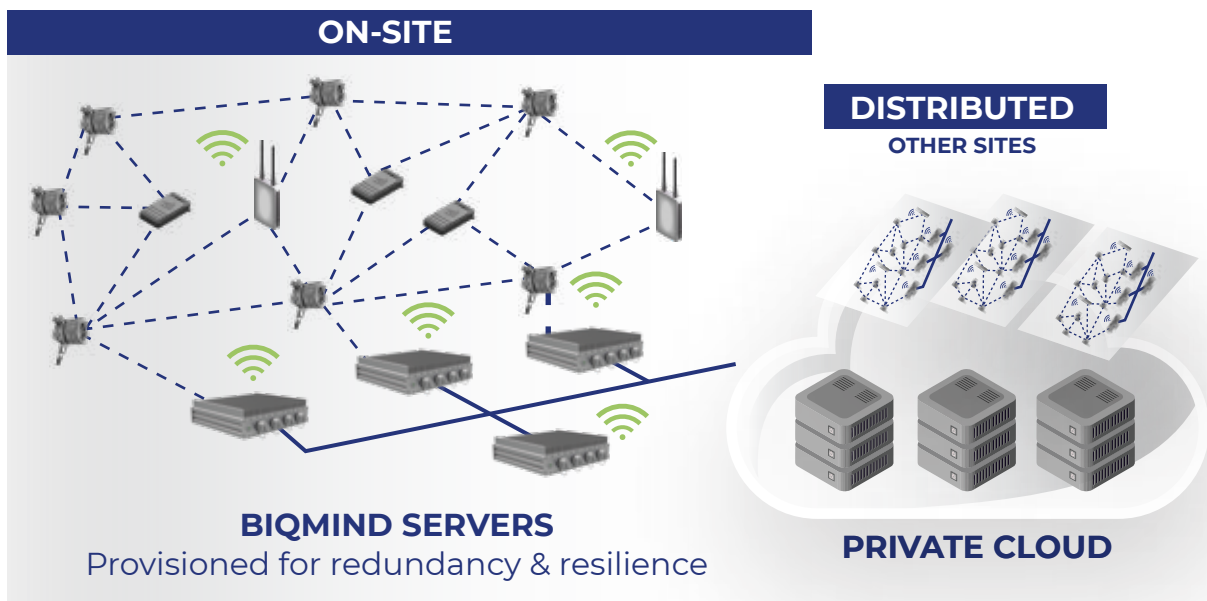
Timely location of personnel in hazardous environments is critical. Existing solutions require extensive installation and on-site support to handle downtime and maintenance.

Biqmind Positioning Solution is a secure, easy to deploy and scalable platform that can be deployed in the toughest environments.

FEATURE		BUSINESS BENEFIT
Secure, automated & private positioning		· Efficient personnel management · Extendible to include asset tracking · Enhanced safety & productivity · Reduced downtime for safety drills
Simplified deployment		· Cost-effective installation · Re-usable
"Admin-lite" design		· Reduced operational & maintenance load with components and hardware being self-healing/remotely upgradeable/low powered
Auditable data for workplace accidents		· Risk mitigation & reduction in insurance premiums
Mesh network		· Reduced installation & cabling costs · Highly redundant/available · Enhanced security · Reduced administration · Future support for multiple protocols
Public/private cloud		· Flexible to plug into existing infrastructure especially where for data protection and security, private cloud networks are a pre-requirement
Open, extensible software platform		· New services & applications can be added in an agile manner
Bundled software & hardware with end-to-end support		· Lower lifetime total cost of ownership (TCO)

INDICES

INDUSTRIES

Oil & Gas

Power Generation

ON-SITE

DISTRIBUTED
OTHER SITES

BIQMIND SERVERS
Provisioned for redundancy & resilience

PRIVATE CLOUD

SOLUTION COMPONENTS

Biqmind Tag

Low power wearable for large augmented workforce

Biqmind Servers

Data center grade servers that provide enterprise level processing power and storage rated for harsh or hazardous conditions

Biqmind Relay

Low power wireless devices that create a standalone mesh network

Chemical Plants

Aviation

SYSTEM SPECIFICATIONS

Maximum tag count:	Up to 16,000 per network
Maximum tag density:	512 Tags per Standard Relay
Maximum relay count:	32 Standard Relays per network, networks can be combined
Maximum number of networks:	Unlimited
Maximum number of hops in mesh:	Up to 127
Positioning technique:	Radio signal strength
Position accuracy:	Approx. 5 m
Position update rate:	Variable subject to requirements

Tracking methods:	
Active – Tag actively sends messages at defined rate	
Passive – Tag remains asleep until it is woken remotely by Standard Relay	

Radio silent / no rF mode during explosives handling:	Yes
Catastrophic data back-up:	Yes
Auditable data:	Yes
3rd party integration supported:	Yes

Above specifications may be subject to change

Biqmind offers leading-edge technologies to companies that want to deliver rapid innovation, but are constrained by lack of expertise or in-house resources. Our software, services and hardware can be applied where there is a need to cost-effectively extend, converge and build solutions rapidly and deliver them to the operational edge.

Biqmind Pte Ltd
The Strategy, 2 International Business Park Road, Tower 2, #02-27,
Singapore 609930 | T: +65 6661 9777

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