

Drive innovation, boost efficiency and gain a competitive edge with our private mobile network solution

Ultra-low latency and high reliability empower you to scale operations while maintaining the highest quality standards







In today's fast-paced and highly competitive manufacturing industry, the pressure to innovate, optimise and remain competitive has never been greater. With global supply chains becoming increasingly complex, customer demands shifting towards personalised products and services and the need for sustainability growing in prominence, manufacturers must embrace new technologies to meet these challenges head-on.

Private mobile networks (PMNs) are emerging as a transformative solution for manufacturers looking to modernise their operations and fully embrace Industry 4.0.

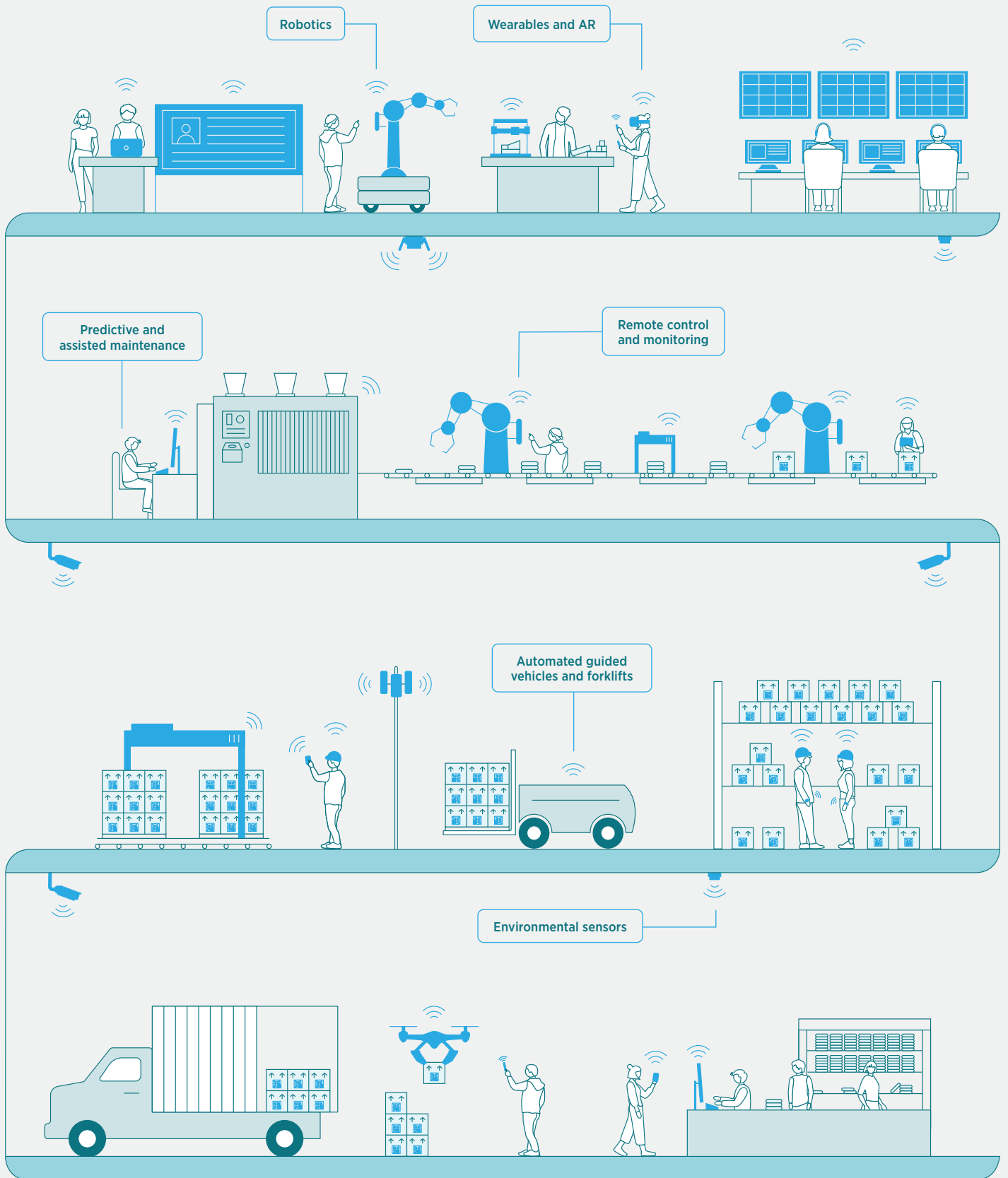
PMNs are secure and dedicated networks that provide manufacturers with complete control over their connectivity infrastructure. This enables manufacturers to create highly responsive, flexible environments where machines, robots and systems communicate seamlessly and in real-time. All of which, paves the way for the successful implementation of advanced technologies, such as the Internet of Things (IoT) and augmented reality (AR).

PMNs deliver enhanced security and control, critical in protecting proprietary data and maintaining a secure environment for connected devices and systems.

For manufacturers, PMNs offer more than just connectivity – they are the foundation for smarter, more efficient operations. As manufacturing moves toward more sophisticated production models, the benefits of private mobile networks are becoming impossible to ignore. These networks empower businesses to monitor production processes with unparalleled precision, automate complex workflows, and optimise resource allocation. The result is a significant boost in productivity, reduced downtime, and improved product quality.

Features	Benefits
 Reserved capacity	Only your devices can use the network, guaranteeing better performance.
 Widespread coverage	Connect every device throughout your facility.
 Robust security	Controlled access with data retained inside your protected zone.
 Uninterrupted mobility	Seamless handovers between radio nodes ensure network service continuity aboard vehicles and other non-stationary use cases.
 High speed and low latency	Assured performance Backed by service-level agreements that ensure high availability and reliability.
 Voice and Video communication	IMS based dialled voice and video calling to keep staff connected. Mission Critical Push-to-Talk communications options for enhanced reliability and access.





Contact us

Discover how BAI's private mobile network solutions can revolutionise your operations:
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