

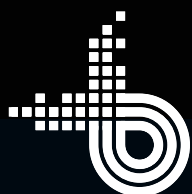
# Welcome to the world of private mobile networks

Your journey into the future of private mobile networks starts now.

## Untether your people and machines to raise productivity to the next level.

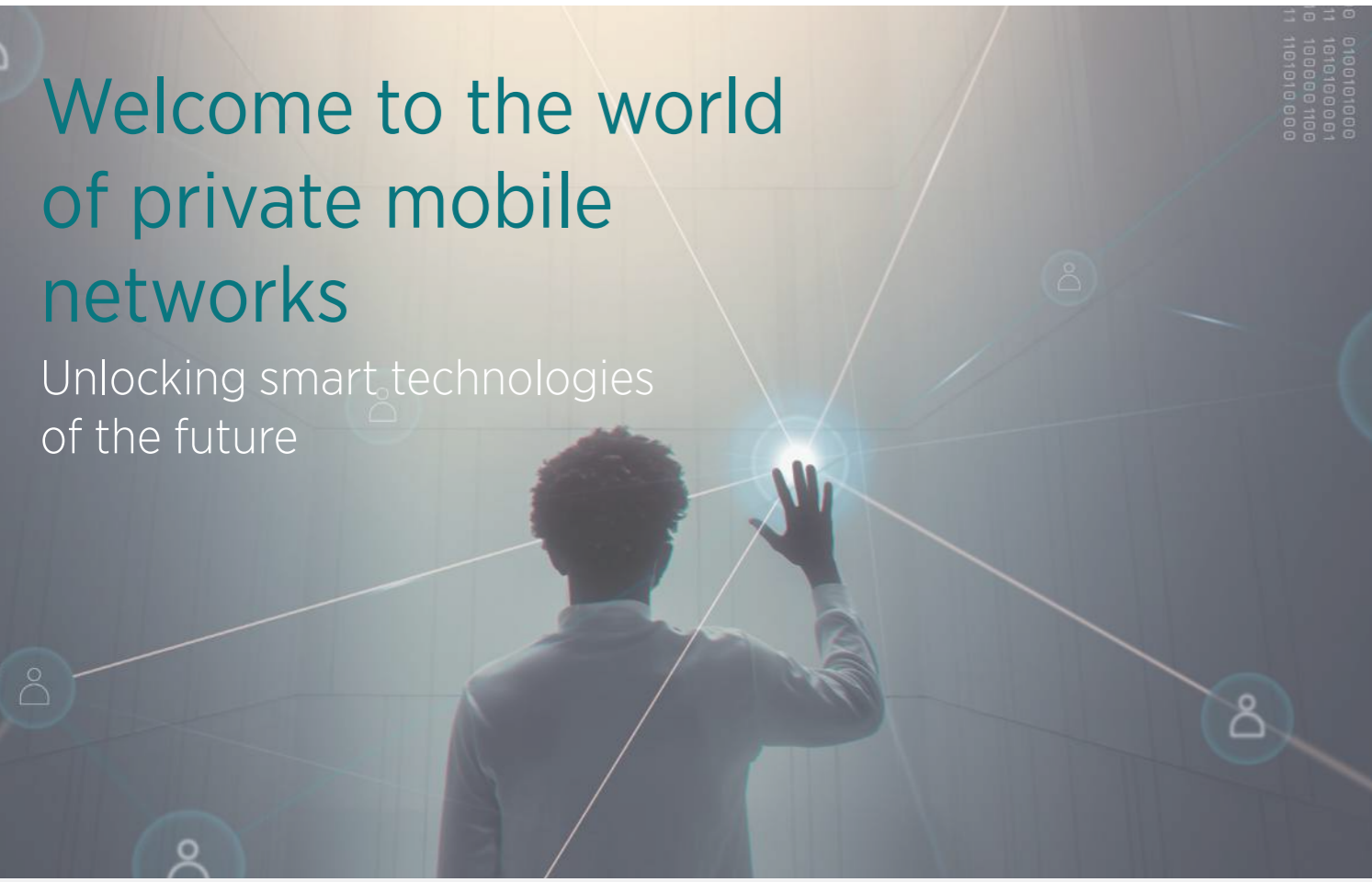
Access the benefits of a leading edge private mobile network (PMN) now, delivering unparalleled performance and essential connectivity for virtually everything, anywhere.

BAI's private mobile network solution is built for the most demanding environments for essential applications, keeping people and machines connected. The product uses internationally recognised standards from 3GPP, with equipment selected from leading vendors. It is a fully managed, carrier grade network that makes low cost of ownership and lower cost per GB a reality.



# Welcome to the world of private mobile networks

Unlocking smart technologies of the future









## BAI's private mobile network solution

Private mobile business networks  
Update your network today to experience the benefits of leading edge private networks, delivering unparalleled performance and essential connectivity.

### Why PMN is better than Wi-Fi

- **Spectrum interference:** Wi-Fi uses unlicensed 2.4 and 5GHz spectrum. These can be interfered with by any device that uses the same unlicensed spectrum. PMN uses licensed spectrum and doesn't face the same issue.
- **Simultaneous device connectivity:** Wi-Fi throughput per access point drops dramatically after a certain number of connections, PMN allows thousands of devices to connect simultaneously without losing any air time efficiency.
- **Latency:** PMN provides lower latency access and has options to provide up to 1ms for ultra fast communications.
- **Mobility:** Wi-Fi doesn't provide seamless handovers between access points when device is in motion. PMN can do seamless transfer between radio nodes up to 500 kilometres/hr.
- **Security:** Wi-Fi supports older standards for backwards compatibility. The most common security features in use today (WPA2) are easily cracked by bad actors who copy/emulate Wi-Fi SSID's and cause devices to log into insecure networks. PMN supports end to end security and employs strong security algorithms and traffic encryption.

Features	Benefits
 <b>Private/reserved coverage</b>	Only your devices can use the network, guaranteeing performance
 <b>Security</b>	Controlled access with data retained inside your demilitarised zone (DMZ)
 <b>Assured Service Level Agreements (SLA)</b>	Exclusive resources guarantee high availability and reliability
 <b>High speed/low latency</b>	Enables applications demanding Ultra Reliable Low Latency (URLL)
 <b>4G LTE/5G</b>	Capacity for thousands of devices in a scalable network
 <b>Multi-access Edge Computing (MEC)</b>	Increased bandwidth efficiency and reduced latency with customer data processed at edge

## A solution, enabling innovation, with adaptive integration capabilities

### The future is smart

Now, the future is within reach of enterprises eager for the benefits of private mobile networks, either to build Industry 4.0 solutions or to provide reliable coverage for any application.

You can unlock productivity gains from advanced, low latency, MEC, supporting a high density network of multiple sensors and high definition cameras, available as standard from many vendors today. Our solution delivers high speed and capacity, widely supported by today's mobile devices, that will scale as your needs grow, meaning you only pay for what you need today whilst keeping options open for the future.

### Always on and secure

BAI's private mobile network solution is managed to provide high availability for users and applications in accordance with an assured SLA.

Our managed PMN solution ensures that your network has carrier grade performance and has high availability. Network slicing directs capacity where it's needed, fencing off critical service lanes from high bandwidth applications, to give a dependable Quality of Service (QoS). Security starts at the network perimeter, building on the inherently highly secure SIM based 5G identity access control. This allows our private mobile networks to operate within your enterprise's security policies.

### Low impact and agile

The technology at the heart of BAI's private mobile network solution integrates with existing IT infrastructures, using less space and resources at your sites.

Our compact wireless access points are designed to deliver coverage using structured cabling, making changes possible by your people and suppliers. For more capacity or change to workspaces, it can easily be adapted.

### Voice services

Our PMN solution combines the power of Push to talk (PTT) with high-quality connectivity, enabling seamless communication across your organisation.

PTT services, using dedicated handsets or smartphones, are options with all the convenience of short voice messages, group calling and status flags. Our voice services are carrier grade with quality of service network



# Experience private mobile network sooner

BAI's solution deploys quickly, and offers comprehensive control and customisable network options to suit our business needs.

## Short build time

BAI have all the skills to build private mobile networks under one roof and act independently from public network operators, having deployed PMN solutions worldwide.

BAI will manage spectrum, install backhaul and project manage all the skills required to produce your private network, fast. Datacentre grade facilities are under our ownership giving us direct control of all tasks critical to successful project delivery, on time.

## You're in control

BAI's PMN solution management portals give you visibility of performance and the assurance that you can act in good time as demands change.

Our solution empowers your organisation with the agility needed to address unique requirements in dynamic business and industrial environments. Whether supporting autonomous applications or connecting your team, our solution ensures efficient connectivity.



## Contact us

Find out how BAI's private mobile network solution can connect everything and anyone in your world:

[baicommunications.com](http://baicommunications.com)



bai communications