

Your Private 5G Network Planning Checklist

For High-Performing Airports

You’ve done your homework. You’ve compared public Wi-Fi to private networks and explored the advantages of dedicated CBRS spectrum. A private network will provide superior indoor and outdoor connectivity for your airport that is both secure and reliable. So, what now?

Follow this planning checklist.



Know what’s critical

Your private 5G network will prioritize and partition business critical applications like baggage tracking, mobile employee communications, and touchless technology while freeing public Wi-Fi to improve passenger Internet connectivity.



Take Action: Carefully list which applications require maximum security, high-speed bandwidth, low latency, and mobility. Which are indoors/outdoors? Be sure to document current as well as future technologies so your network solution will perform now and scale for the future.

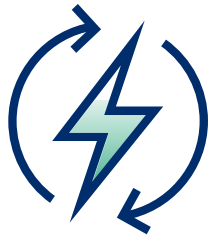


Do-it-yourself or outsource

A private 5G network can be built more than one way. You can build and manage it in-house or have one built and managed for you. To decide which is best for your airport, remember the hidden costs of upkeep, training in-house resources, and risks.



Take Action: Ask yourself: Do you have 4G/5G expertise in-house to plan, design, install and manage the network? Do you have the time and resources to train and keep your team current on new technology? Would a managed service provider be able to handle the build and on-going management at a price you can afford? How do the costs and long-term risks compare?



Don’t break what’s working

Installing a network to improve your airport operations means not disrupting your business. Efficiency and simplicity are paramount to the deployment and your new network must deliver increased productivity and performance for years to come.



Take Action: Think of what can go wrong now so you can plan accordingly. What will cause minimal impact to your employees and passengers during installation? Will an experienced partner fully understand your specific environment and help you curtail issues? How will you respond to any disruptions?



Pick your battles

With limited resources and capabilities to keep your high-performance airport up and running — not to mention profitable — you need to set priorities and pick your battles. Managing a private 5G network involves ensuring network reliability, providing ongoing support, and allowing for visibility into security and performance.



Take Action: List the Pros and Cons of choosing a 24x7 managed service provider vs. a do-it-yourself model. Who will respond to both network operations and issues? What does the Service Level Agreement look like? Will you have access to a network dashboard for visibility into network performance? Do you have IT teams on staff with the expertise to assess technology concerns?



Double-down on security

You’re more than aware that airport security is high on the risk scale, right next to healthcare and power grids. The objective is to reduce rather than raise the security threat. A private 5G network must be methodically implemented to ensure ongoing flawless security.



Take Action: Carefully weigh your risk. Do you fully understand potential threats and how to mitigate them? Will your data stay inside your premises or be exposed to the Internet? How will security be monitored? Will you have periodic threat assessments? Can you or your solution provider detect and respond to threats before they cause serious issues?

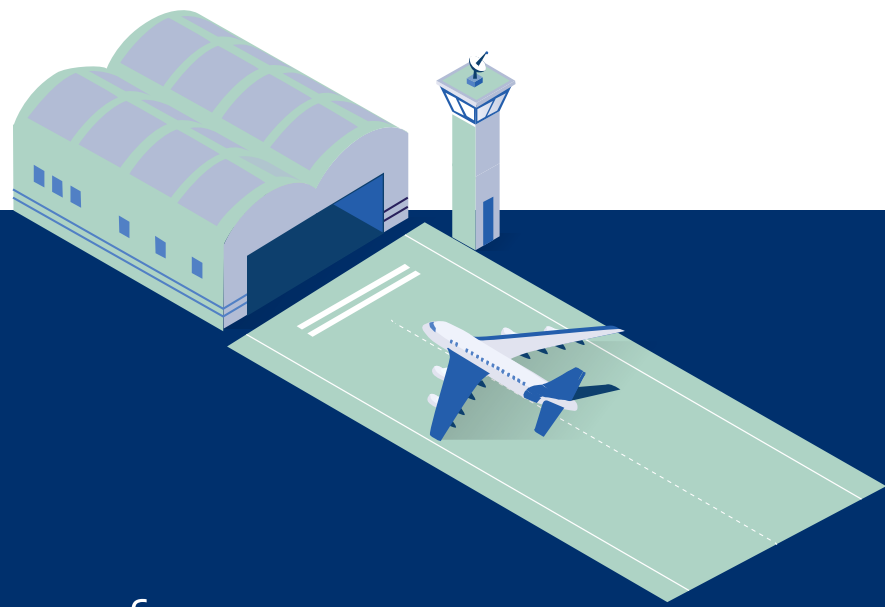


Plan your investment

Financing for airport improvement is hard. Planning for this investment entails upfront costs to design and build your private 5G network and the service costs for usage and upkeep.



Take Action: Determine up-front and ongoing investment budgets and compare pricing models. Are you interested in a CapEx or OpEx model, or do you want the flexibility of both? Will you pay for access to your own data? Will a provider offer transparent pricing, without hidden fees or sudden hikes? What will be the costs of staffing resources, monitoring and maintenance?



Private 5G as a Service ticks all the boxes

Many airports choose a turnkey managed solution that allows you to control the performance criteria, data, and the network as a whole for superior reliability and security. Betacom will plan, design, install and manage your network with our 5G as a Service (5GaaS) solution. Betacom 5GaaS offers you full visibility and support backed 24x7x365 by our Security and Service Operations Center (SSOC). It delivers high speeds and low latency, can be sliced into discrete services for different applications, and can scale as you grow.

We take on the task of getting your private 4G/5G network seamlessly deployed and operational, leaving your team free to focus on your core business. [Learn more at betacom.com.](#)

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