

PTS



CLOUD WI-FI CONSULTANCY & PROJECT MANAGEMENT SUPPORT

Service Overview

PTS offers Wi-Fi consultancy/design expertise to transform wireless environments for cloud/hybrid operation. Services include strategy, full campus/building audits, specification/ITT creation, procurement and implementation oversight. Expertise includes integration with wider network/building infrastructure, campus-wide wireless surveys, capacity/coverage modelling, and LoRaWAN/IoT/sensor networks, ensuring Wi-Fi solutions are resilient, scalable and aligned to operational/user requirements..

Service Features

- Vendor-independent advice with no supplier or integrator conflicts
- Holistic consultancy informed by wider technology and digital context
- Team-based delivery using appropriate skills for specific activities
- Collaborative approach shaped through structured stakeholder engagement
- Flexible engagement stage-by-stage or across full lifecycle
- Delivered by experienced consultants supported by specialist SMEs
- Proven methodologies informed by long-term sector best practice
- RIBA-aligned services where linked to construction programmes
- Feasibility studies and business case development support
- Experience across research, academic, government and residential environments

Service Benefits

- Practical, cost-effective Wi-Fi outcomes that are feasible to operate
- Accelerated delivery compared to internal-only resourcing models
- Solutions informed by in-sector analysis and benchmarking
- Stronger outcomes through cross-sector insight and lessons learned
- Reduced risk through independent expert recommendations
- Improved internal capability and understanding of wireless design
- Better value at procurement through clearer requirements
- Wi-Fi solutions designed for longevity and adaptability
- Improved integration with wider digital and network ecosystems
- More efficient balance of internal and external delivery effort

Services

Network Discovery & Assessment

- Documentation Review
- Physical Audit/Survey
- Stakeholder Engagement
- Current State Assessment & Gap Analysis

Strategy Development

- User Scenario Mapping
- Marketplace assessment
- Options Analysis
- Strategy & Vision Development
- Target Operating Model
- Skills requirements

Design

- Design Principles
- High-Level Design
- Specification Development

Procurement

- Development of Evaluation Criteria
- Evaluation of tender submissions
- Evaluation of tender presentations
- Contract negotiation

Ongoing Support

- Technical Assurance of implementation
- Project Management oversight
- Witness Testing
- Training

RIBA-aligned Services for Estates/Construction Programmes

- Strategic Brief
- Concept Design
- Detailed Design
- Procurement
- Construction/Installation Oversight and Witness Testing

Our Methodology

PTS has developed a tried and tested methodology for the successful delivery of our Network Consultancy engagements, working collaboratively with the Client at all stages and controlled using a standard project management approach. The following activities underpin this methodology.

- **Assessment** – obtaining information about the existing environment and undertaking a Business & Technical Assessment, understanding challenges and the client's ambitions for the future, from documentation, diagrams, contracts, SLAs and interviews with stakeholders/key client representatives.
- **Analysis** – the discovery output is synthesised, with urgent issues prioritised in order to support the Client's future ambitions, incorporating PTS's knowledge of the market with future/emerging technologies, and feeding back to the Client to confirm/clarify requirements.
- **Reporting** – following analysis, PTS will develop the deliverables required by the Client. This will be undertaken collaboratively with the Client to keep the team abreast of PTS's thinking, ensuring that the final output is meaningful and valuable.

About PTS

PTS is an independent technology consultancy that help clients to:

- transform and manage their technical infrastructure in a cloud environment to deliver excellent digital services
- align their digital and estates strategies to deliver excellent hybrid user experiences

Our areas of expertise include:

- Network infrastructure: Local & Wide Area Networks, Wi-Fi, private mobile radio and newer forms of connectivity such as 5G, LoRaWan and Bluetooth
- Cloud & Data Centre infrastructure
- Security: cyber security, identity & access management, physical security
- Smart Campus/Buildings: sensor networks, IoT deployments, VR/AR, BMS integration, middleware, data visualisation, etc.
- Audio Visual & Collaboration Technologies: unified communications, meeting room technologies, digital signage, teaching and learning space technology (including lecture capture), etc.
- Physical (passive) IT: structured ICT cabling, equipment room spaces, etc.

PTS has worked with over 115 Higher Education Institutions within the UK across all of the above services and disciplines, as well as across the public sector (including 47 NHS Trusts and Healthcare Organisations, 44 Councils and dozens of central government agencies) and the private sector (including technology & media, finance, legal and entertainment).

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