



TPZ-Net Wireless Monitoring



PART OF TITAN SMART SOLUTIONS GROUP

Simplify the complex™



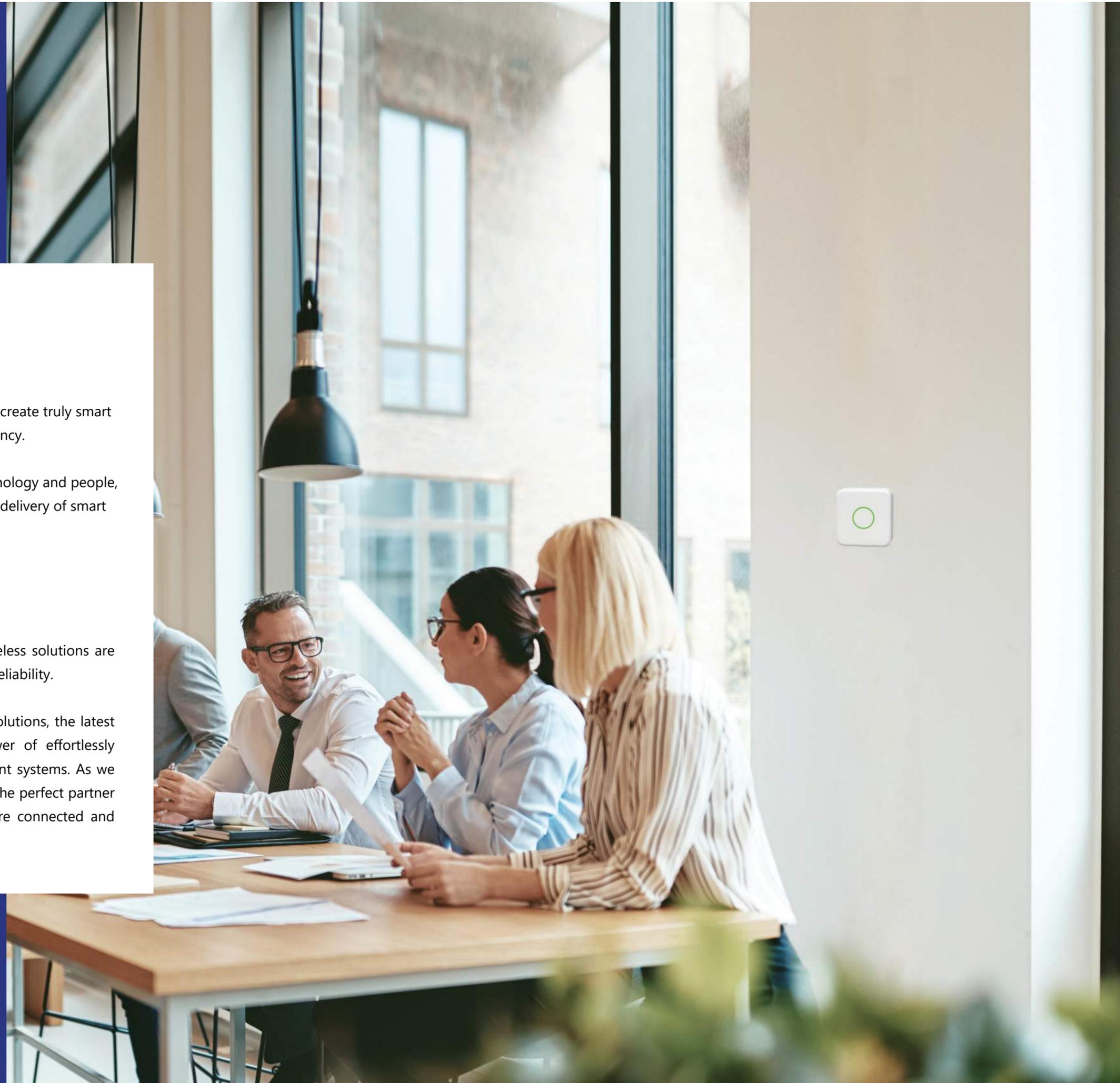
At Titan we simplify the complex to help our customers create truly smart spaces promoting wellbeing, comfort and energy efficiency.

Through innovation and continuous investment in technology and people, our intelligent monitoring and control solutions aid the delivery of smart buildings and create connected spaces.

The power of wireless

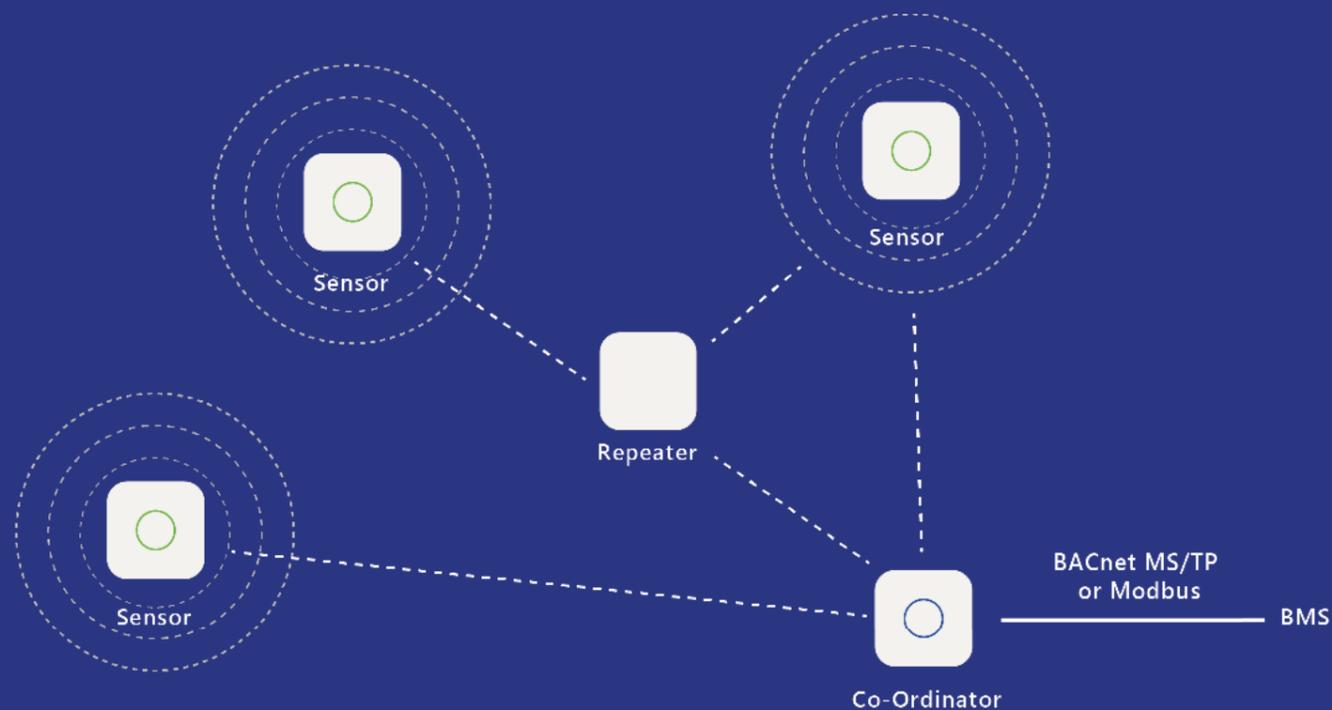
In the dynamic landscape of building automation, wireless solutions are gaining prominence for their flexibility, scalability, and reliability.

With over 10 years' experience of supplying wireless solutions, the latest iteration of TPZ-Net utilises the transformative power of effortlessly integrating wireless solutions into building management systems. As we look towards the future of smart buildings, TPZ-Net is the perfect partner for understanding your building and providing a more connected and efficient environment.



Why choose TPZ-Net?

The TPZ-Net solution provides on-premise integration of wireless sensors onto building networks providing valuable insights into the buildings' environmental conditions. The solution reduces install costs, simplifies commissioning and is built on reliable, building wide communications that have been designed exclusively for building automation.



Scalable Network Architecture

Highly scalable for buildings of any size as multiple co-ordinators can be integrated onto the same BACnet or Modbus network to scale the overall network. This network flexibility ensures that as your building grows, the TPZ-Net solution can effortlessly scale to meet evolving monitoring needs.

Reliable Mesh Networking

The mesh network architecture between sensors and repeaters allows for single networks to extend across large areas. The self-healing nature of the mesh network ensures reliable connectivity even if one device fails, enhancing the network's overall resilience.

Designed for Building Automation

TPZ-Net utilises wireless 2.4GHz communications that have been designed from the ground up to navigate a whole building without the risk of network interference and channel flooding from neighbouring building networks, which is often associated with sub GHz technologies.

Setup Made Easy

The wireless nature of TPZ-Net eliminates the need for complex and costly wiring installations between sensors and parent devices, allowing for the quick and easy install of wireless networks.

The System

CO-ORDINATOR



TP-TPZC

- Receives wireless data from up to 30 connected devices
- Exposes network data to a BMS via BACnet MSTP or Modbus RTU communications
- Gen 3 wall mounted housing offers flexible mounting location and ease of install
- LED HALO for quick visual indication of network and commissioning status
- Polygiene® anti-microbial product protection

WIRELESS SENSORS



TP-RS-CO2RHT-TPZ



TP-RS-RHT-TPZ

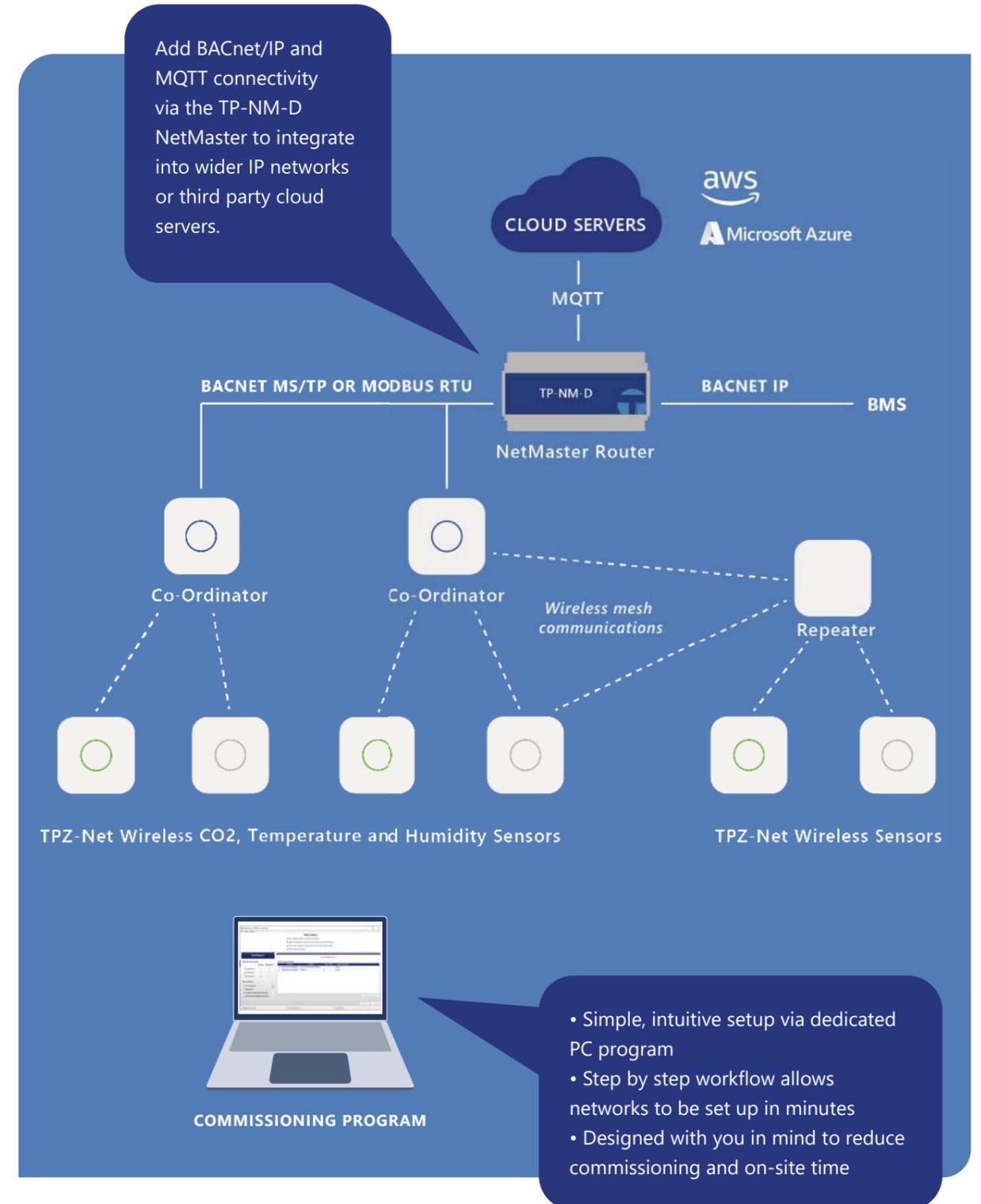
- Accurate measurement of internal room temperature, humidity & CO2
- Cable free, quick and simple installation
- Long battery life
- Informative LED HALO indication for CO2 levels, battery indication and network status
- Polygiene® anti-microbial product protection
- Flexible transmission intervals

REPEATER



TP-TPZR

- Modern, slimline discreet design
- Adds self-healing, mesh networking capabilities to TPZ-Net network
- Create long distance, reliable networks
- Quick and simple to install and commission
- Polygiene® anti-microbial product protection



Part Codes

Co-Ordinator	Part Number
TPZ-Net Co-ordinator to communicate directly to a BACnet MS/TP or Modbus RTU Network (24V supply)	TP-TPZC
Repeater (Optional)	
TPZ-Net Repeater to boost signal and add mesh networking to network (24V supply)	TP-TPZR
Wireless Sensors	
TPZ-Net wireless room humidity and temperature sensor	TP-RS-RHT-TPZ
TPZ-Net wireless room carbon dioxide (CO2), temperature and humidity sensor c/w LED HALO	TP-RS-CO2RHT-TPZ
NetMaster (Optional)	
BACnet MS/TP to IP Router with MQTT gateway capabilities	TP-NM-D
Commissioning Kit	
TPZ-Net Commissioning Kit (PC Software)	TPZ-COMKIT
Site Survey Kit (Optional)	
TPZ-Net battery powered site survey kit for testing TPZ-Net sensor range	TPZ-SSK
<i>Note: A site survey is highly recommended prior to any wireless installation</i>	