



INSIDE THE CONNECTED WORLD OF TOTTENHAM HOTSPUR

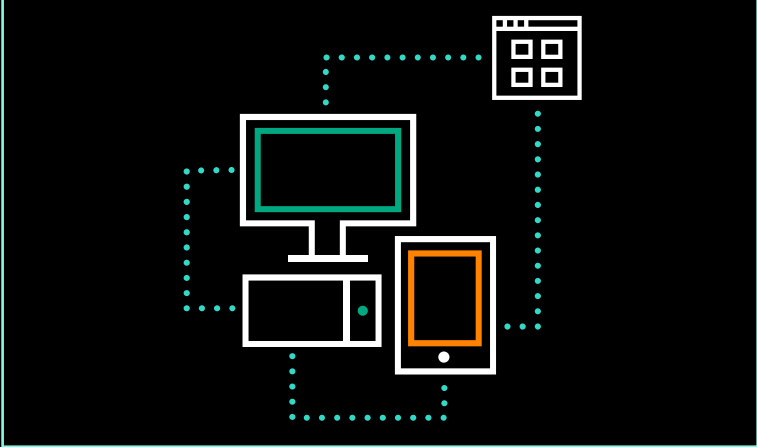
A VISION FOR THE STADIUM OF THE FUTURE



Create one of the most technologically advanced stadiums in the world, nearly doubling capacity to increase match-day revenues and transforming fan experience

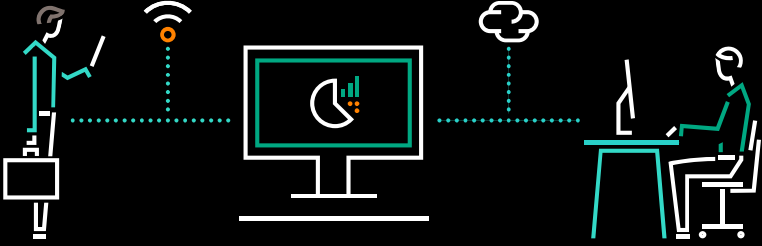
FINDING FEET WITH HPE POINTNEXT SERVICES AND ARUBA MOBILE FIRST SOLUTIONS

A fully integrated wired and wireless network that's designed, implemented, and supported by HPE Pointnext Services—working with the Tottenham Hotspur technology department to integrate all third-party applications connecting to the network



HPE TECHNOLOGY IS EMBEDDED INTO THE FABRIC OF THE STADIUM

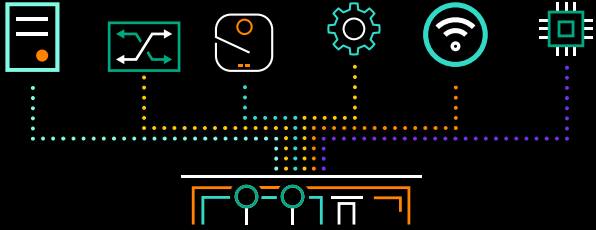
Professional services and products



- HPE Pointnext Services— Design of Wi-Fi network, Active LAN, and location services
- Tottenham Hotspur Stadium Data Center Product Support Services
- Tottenham Hotspur Stadium Innovation Center Wi-Fi network, Active LAN, and Aruba Median location services products
- Tottenham Hotspur Stadium Wi-Fi Network, Active LAN, location deployment and integration support
- Public and Private Network Access Control and Policy Management
- Support contract from HPE Pointnext Services

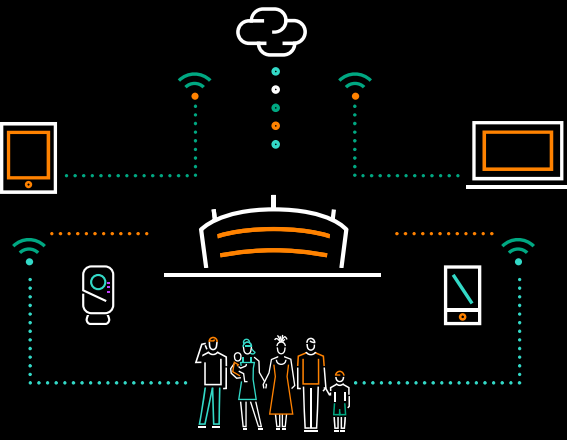
Data center products

- HPE FlexFabric 12908E Switch Series—Data Center and Innovation Center
- HPE FlexFabric 5940 Switch Series (End of Row in data centers)—Main Equipment Room (MER)
- Aruba 3810M 48G PoE+ access switches
- Special function HPE FlexFabric 5940 Switch Series—WAN, demilitarized zone (DMZ), internet service provider (ISP), and public Wi-Fi



- HPE Intelligent Management Center (IMC)—HPE IMC Quality of Service Manager Software, HPE IMC Network Traffic Analyzer Software, and HPE IMC Application Performance Manager Software
- Aruba ClearPass Policy Manager appliance for TACACS
- Aruba ClearPass Policy Manager Virtual Machine for NAC

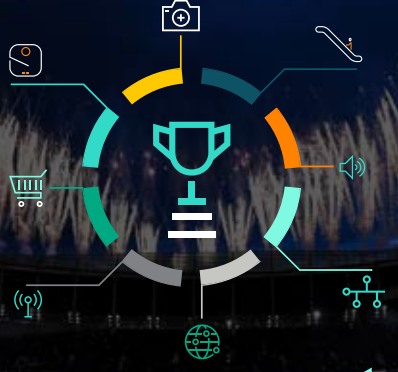
WLAN products



- Aruba 7240XM WLAN Controller in high-availability configuration
- Aruba Access Points—deployed various models across both frequencies
- Secure SSID using 802.1x EAP-Transport Layer Security (EAP-TLS) and EAP-Protected Extensible Authentication Protocol (PEAP) authenticating against resilient Aruba ClearPass Cluster
- One redundant Aruba AirWave Management Server
- Infoblox DHCP/DNS cluster
- 700+ Aruba Beacons

Supported stadium service enablement

- Building management systems (BMS), energy management systems (EMS), and lighting
- Field of play and stadium effects lighting
- Ribbon boards, displays, and screens
- CCTV cameras
- Turnstile access systems
- Access control systems—door access systems
- Retail and catering
- Internet Protocol telephony and telecoms
- WLAN (Aruba) and police mobile radio

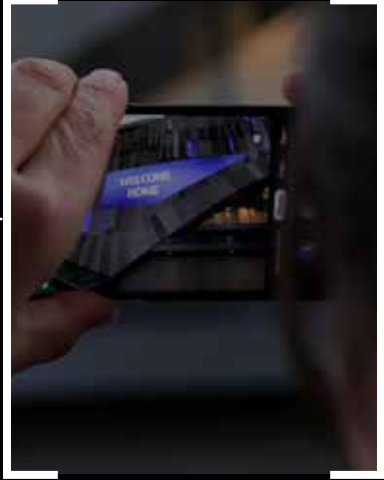


- Lifts and escalators
- Audio visual including VC, audio, Crestron control, editing suites, and Media Cafe
- Internet Protocol television (IPTV)
- Public Address system—separate HPE-based network but integrated with main Active LAN
- SAN—HPE 3PAR StoreServ and Scalify; IT infrastructure—VMware ESXi™-based hosts and physical
- Match-day productions—media production and content distribution systems

REVOLUTIONIZING THE GAME-DAY EXPERIENCE WITH ADVANCED CAPABILITIES

World-class amenities

- Next-generation venue, guiding visitors to entrances and stadium facilities
- Electronic turnstiles—paper, phone, or card entry
- Surprise and delight with real-time offers and promotions
- Cashless stadium
- Location services to help fans navigate to bars, restaurant, and retail outlets
- Audio visual—IPTV and digital signage, video walls, large LED screens, LED facade, ribbon boards, and video on demand



Savvy infrastructure and operations

- Resilient, fast, and scalable IT network
- 100% Wi-Fi coverage—Wi-Fi Access Points under seats to enable high connectivity
- Mobile electronic point of sale (EPOS)—vendors queue is reduced in the stadium, driving up fan satisfaction and match-day revenues
- CCTV and access control
- Building control and management



Tottenham Hotspur lays the foundation for a truly digital stadium with HPE Pointnext Services and Aruba Mobile First solutions.



Read the white paper



Watch the video