

Transforming Patient Care with Genomics and Technology

Challenge

- 1 GPW required a secure, scalable multi-tenant network to support four organisations
- 2 Needed high bandwidth to meet genomic application data demands
- 3 Concerns raised over a previous High-Level Design (HLD) from another provider
- 4 Implementation needed to ensure future scalability and strong security segmentation

Solution

Working with GPW, we held stakeholder workshops to define their precise requirements and effectively design a software-defined Cisco network (SDA + ACI), secured by Fortinet firewalls.



WhiteSpider's collaborative approach has been key in aligning our long-term goals with the right technology. Their tailored solution, leveraging Cisco ACI and SDA, has future-proofed our infrastructure, enabling secure, scalable growth. Working together, we've built a foundation that positions us to lead in genomics and healthcare innovation for years to come.

Russell Kent

Head of Digital Operations,
Genomics Partnership Wales

Results

- ✓ Delivered a full design (HLD, LLD, BoM) and a phased migration plan aligned to GPW's facility move
- ✓ Ensured secure intra- and inter-tenant communication, along with wireless access for each organisation's users
- ✓ Centralised management and automation across the network
- ✓ Cost-effective, high-throughput performance

