

# The UK's most intelligent access network

CityFibre and Calix have joined forces to deliver an intelligent next generation network that is:

- Truly future-proofed
- Open-access
- Software Defined (SDN)
- Always On
- Self-Healing

## Delivered through partnership.

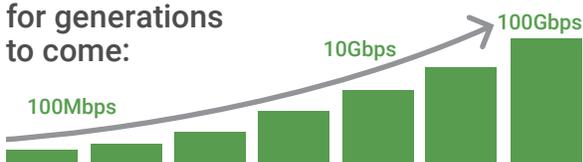
With network build projects across 51 cities and plans to reach 5 million premises by 2025, CityFibre is the UK's largest and most disruptive builder of full-fibre infrastructure. With its AXOS and E9-2 Intelligent Edge System, Calix enables CityFibre to deliver innovative new services and superior subscriber experiences, while achieving unprecedented operational efficiencies.

## Merging world-leading software intelligence with high capacity fibre infrastructure to provide rich benefits

### Intelligent tools to deliver unrivalled subscriber experience:



### Speeds to serve all premises for generations to come:



### Efficient network operation to keep CityFibre costs and prices low:

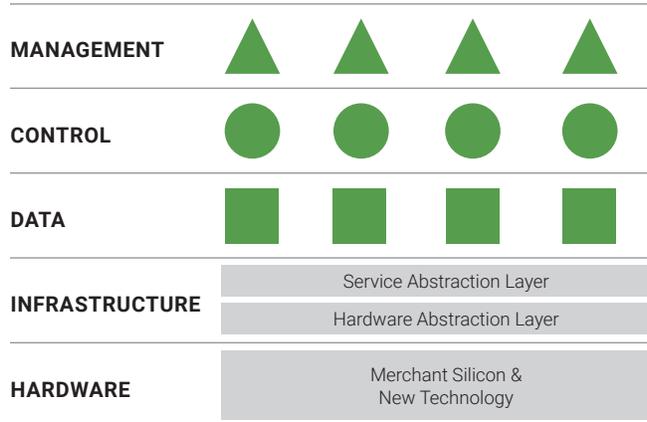
- Ability to program and automate manual processes
- Reduction in network outage and unplanned maintenance
- Agile connectivity and provisioning
- Fast deployment of new services
- Rapid in-service software-based upgrades to reduce truck rolls



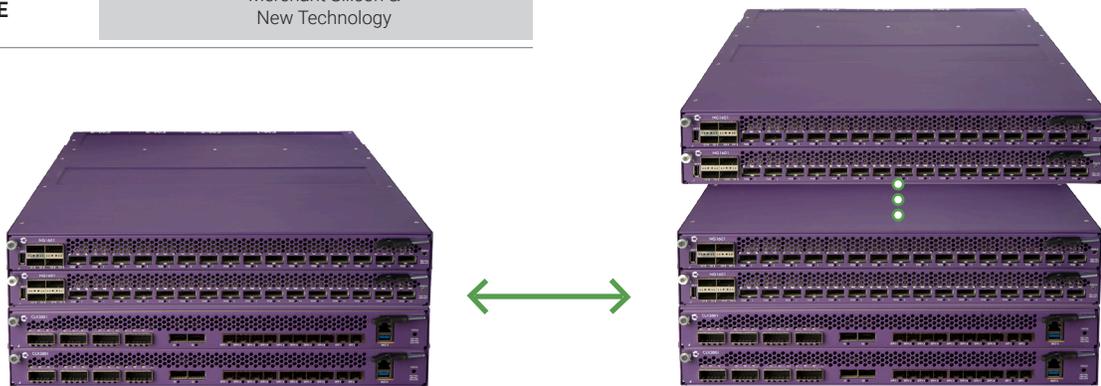
# The Calix AXOS E9-2 Intelligent Edge System adds the brain to CityFibre's network brawn:



The only software defined access operating system that incorporates:



- **Hardware Independence** - rapidly upgrade from GPON to NG-PON2 and beyond
- **Services Abstraction** – Common, simplified operational procedures
- **Modular Architecture** - upgrade and restart modules independently without impact to other services
- **Stateful Operation** - enabling a self-healing, always on network, reducing maintenance windows and truck rolls
- **SDN Interfaces** – gain the benefits of SDN today using existing back-office systems



## Resulting in one powerful, unified and future-proof network to serve all verticals far into the future

### Carriers and ISPs



- Direct platform access for ultimate control and product differentiation
- Implement SDN technology end-to-end
- Deploy white label customer applications
- Use intelligent analytics to develop and refine services
- Drive customer satisfaction and loyalty

### Mobile operators



- A platform ready to deliver small cell, 10Gbps backhaul and 5G requirements
- All at best prices wherever the network serves
- Potential to upgrade sites to 100 Gbps in the future
- The control of dark fibre meets the convenience of a managed service

### Public sector



- A platform ready to deliver small cell, 10Gbps backhaul and 5G requirements
- All at best prices wherever the network serves
- Potential to upgrade sites to 100 Gbps in the future
- The control of dark fibre meets the convenience of a managed service