

# Capability Statement

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# 5G Networks Capability

150<sub>km</sub>

of fibre (Sydney,  
Melbourne, Brisbane,  
Adelaide)

5

Data Centres, total  
rack capacity 1,500

12

Offices around  
Australia, 90 Field  
Techs

75+

On-net buildings  
and 51 DCs

4

Private Cloud Zones  
Memory 23.83TB  
Storage 1.63PB

550

Bare Metal Servers

6

Peering Points,  
547 IPV4 Peers  
IP Transit  
850 Gbps Capacity

600Gb

DDOS Mitigation  
AUD, SGP, LA, NZ



# Sydney



- SDC – Pyrmont,
- NSDC – St Leonards



- SY1 – Mascot
- SY3 – Alexandria
- SY4 – Alexandria



- DC – Alexandria,



- St Leonards



- S1 – Macquarie Park
- S2 – Macquarie Park,



- Ultimo



- Artarmon



- St Leonards



- North Ryde



- Sydney



- Haymarket



- Haymarket



16 Data Centres

# Melbourne



- MDC – Melbourne



- Melbourne



- Port Melbourne



- ME1 – Port Melbourne
- ME2 – Port Melbourne
- ME4 – Derrimut
- ME5 – West Melbourne



- M1 – Port Melbourne

## Pop Sites

- Kings Technology Park, South Melbourne
- 1 Queens Road, Melbourne
- 480 Collins Street, Melbourne



- Deer Park



- South Melbourne



- Port Melbourne



14 Data Centres

MELBOURNE



# Brisbane



- BDC – Fortitude Valley



- B1 – Brisbane
- B2 – Fortitude Valley



- Fortitude Valley



- BR1 – Fortitude Valley



- Brisbane



- Brisbane



- Brisbane



- Fortitude Valley





# Adelaide



• Kidman Park



• DC1 – Adelaide  
• DC3 – Adelaide



• A1 – Adelaide



• DC2 – Hawthorn



• Adelaide



• AE1 – Adelaide

## 7 Data Centres



# Perth

|                                                                                   |          |
|-----------------------------------------------------------------------------------|----------|
|  | • Malaga |
|  | • Malaga |





Singapore

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SINGAPORE





# Our OTN Backbone

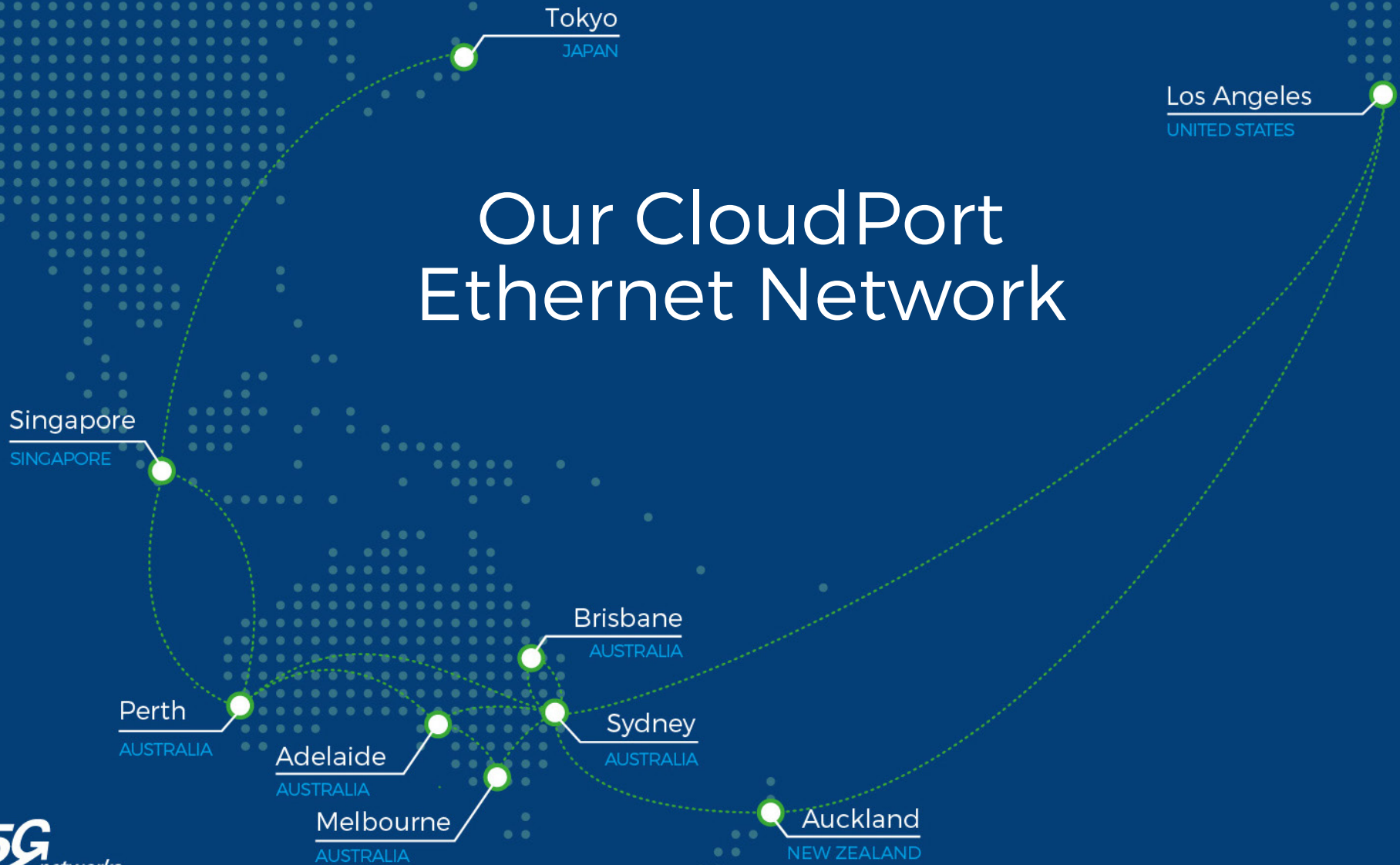
|           |                                        |
|-----------|----------------------------------------|
| NSW       | SDC, NSDC, S1, SY1, SY2, SY3, SY4, SY5 |
| VIC       | MDC, M1, ME1                           |
| QLD       | BDC, B1, B2                            |
| SA        | ADC, DC3, YDCH                         |
| WA        | P1, P2, PE2                            |
| Singapore | SG3, SG1, SGP                          |

## Key Features:

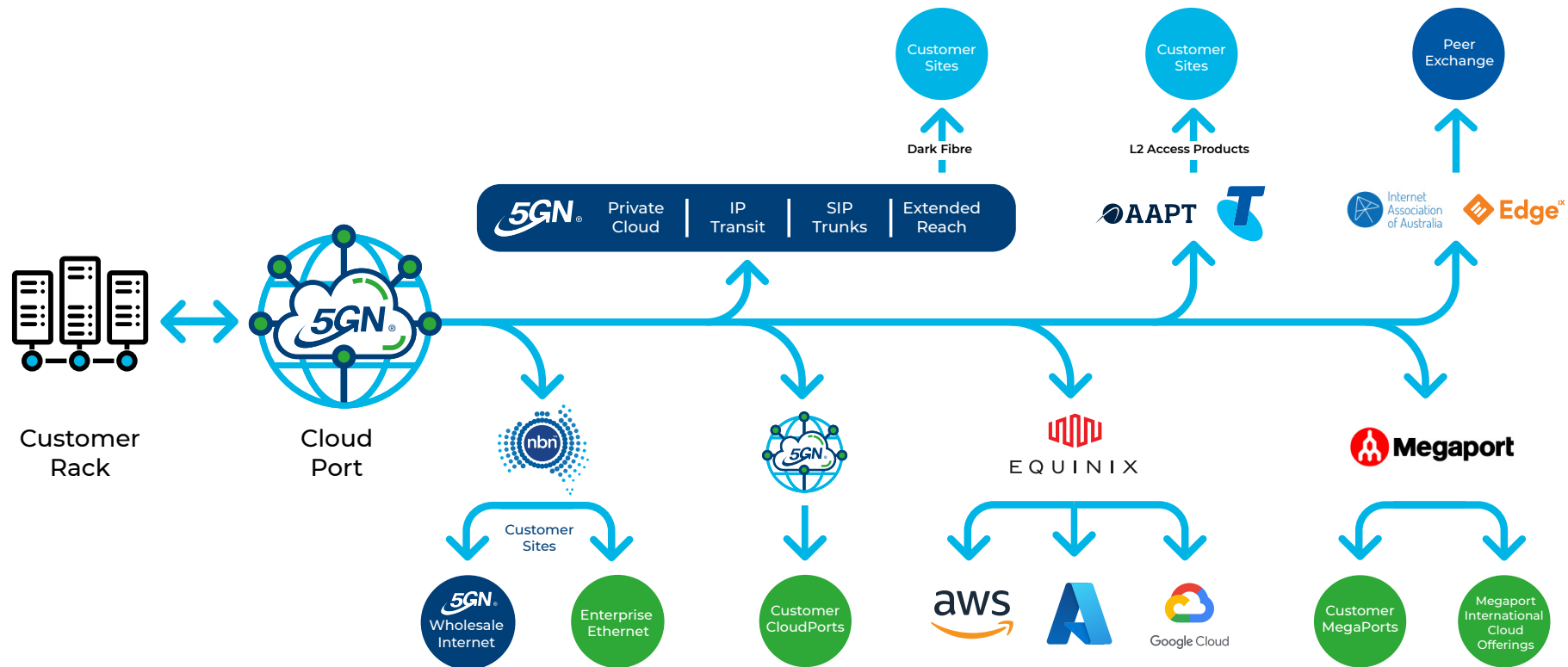
- Secured Private high-speed point to point Wavelengths between 5GN PoPs
- Bandwidth Options – from 10GbE, (25GbE, 40GbE & 50GbE – exclusively offered by 5GN)
- Interface: OTN, Ethernet, SDH/SONET and fibre channel
- Metro, Inter-capital and Submarine Service path offers
- Service Bandwidth Type: Ethernet, OTU2/OTU2e, STM-64
- Scalable as requirements change
- Fully reserved customer bandwidth with diversity options
- AES-256 encryption available
- Network coverage: Metro, national and international reach



# Our CloudPort Ethernet Network



# CloudPort – Your Gateway to a world of digital technologies







# Our CloudPort Network

|             |                  |
|-------------|------------------|
| NSW         | NSDC, SDC, S1,   |
| VIC         | MDC, M1, ME1, M2 |
| QLD         | BDC, B1, B2      |
| SA          | ADC, DC3, A1     |
| WA          | P1, P2, PE2      |
| Singapore   | SG3, SY1, SY4    |
| New Zealand | 220Q             |
| USA         | LA1, LA3         |
| Tokyo       | TY8              |

## 5GN CloudPort - No network port has ever worked so hard

- Multiple-service single access point.
- Access to the 5GN suite of services.
- Secure and private point-to-point connectivity using VLANs
- Connect just once and create multiple network connections
- Flexible bandwidths available from 100Mbps to 100Gbps.
- Scalable (up to 100Gbps) – increase or decrease your bandwidth as required
- Guaranteed bandwidth without network contention
- Multiple peering exchanges available (Tier 1 Telco products and services and the World's leading global cloud providers)
- NBN compatible.
- Coverage - Metro, national and international coverage





# Product Portfolio

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- Dark Fibre
- Wavelengths OTN (10Gb, 40Gb)
- Cloudport (1Gb to 100Gb) Ethernet
- IP Transit – Peering, Domestic and International
- Rack Space (1/4, 1/2, Full)
- Baremetal Servers
- Private Cloud (VM Multi Zone, VPS, cPanel, Backup, DR)
- Remote Hands Capital Cities and Regional Centres
- Platform (Compute and Storage), DB and Network Services





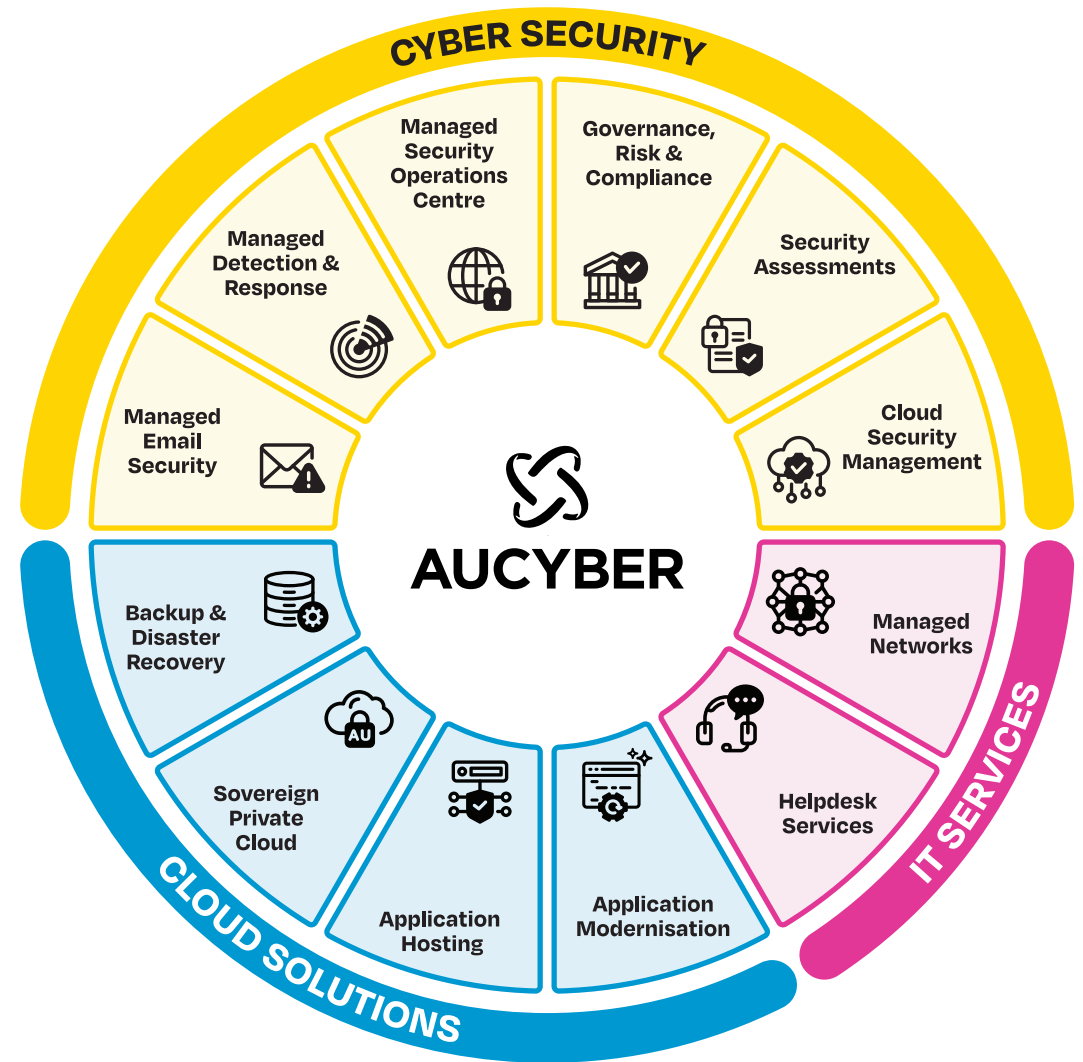
# Creditability

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- Over 50,000 cPanel hosting accounts
- 23,000 hosted email accounts
- 500,000 services
- 4 Private Cloud Zones – 1 Pb used storage
- International Peering LA, SGP and NZ
- 90 Field Technicians cover 80% of Australia including all capital cities
- Tier 1 Carrier Interconnections Domestically
- Peering with over 900 ISPs and content providers
- N+2 Data Centre rating
- Automated User Portal



# AUCyber





# AUCyber

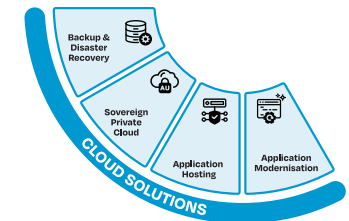
## Cyber Security

- Security Operations Centre (SOC)
- Managed End-point Detection & Response
- Governance, Risk and Compliance (GRC)
- Cyber Security Strategy
- Cyber Security Maturity Assessments
- Cyber Security Awareness & Phishing Simulation



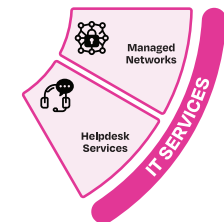
## Cloud Solutions

- Infrastructure as a Service (IaaS)
- Storage as a Service (STaaS)
- Managed back-up services (BaaS)
- Software & hardware licensing
- Sovereign cloud zones located across Sydney, Melbourne, Brisbane & Canberra
- Day-to-day management of customers' cloud and on-premises infrastructure and environments



## IT Services

- Helpdesk Services
- Managed Networks
- Managed Infrastructure
- Platform Services
- Managed Projects & Professionals Services
- Managed Cloud Services
- Managed Cyber Security





# Security Shift

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## A 5GN Cyber Security company

Security Shift provides cyber security outsourcing & consultancy, end-to-end managed services and outsource IT engineering & software development with a strong focus on public cloud, data centre, critical infrastructure, and Australian Government ISM compliance.

- Over 25 years pedigree designing, implementing, securing and operating critical infrastructure for various nations.
- Currently securely operating several critical infrastructure systems with ISM compliance up to PROTECTED level and other systems that are PCI-DSS service provider certified.
- Adept at operating mission critical systems, architecting them to, and then operating them with 100% uptime, 4+ years with no unplanned outages.
- Our 'stack' IaC framework is an IaC library consisting of terraform, ansible and more that allows us to rapidly deploy secure, ISM compliant environments in the public cloud.
- Staff hold mixture of baseline and NV1 security clearances.
- Strong focus on core Internet technologies
- ISO27001 certified.





# Security Shift

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## Cyber Security

Providing organisational cyber security services to serve as or to augment your in-house team.

- CISO as a Service / Virtual CISO
- Gap / Effectiveness Assessments
- ISMS, ERF & GRC consultancy
- ISMS & BCP Implementations
- Accreditation & Auditing (ISO27001, Essential 8, PCI-DSS etc)
- Security Awareness Training
- SOC as a service
- Managed Cyber Security
- Incident Response

## Managed Services

We can design, build and then operate, securely, IT solutions on public or private cloud, data centres or on-premise.

- Cloud (AWS / Azure)
- IT Operations as a Service
- Strong DevOps, Infrastructure as Code (IaC) and automation focus
- Mission critical, highly available, critical infrastructure
- Managed services delivered in Australian Government ISM compliant manner.

## Projects & Development

Designing, developing, and implementing tailored IT solutions inline with business and cyber security requirements.

- IT consultancy projects (operations, COBIT, ITIL, implementation etc)
- Architecture & Design
- Automation & DevOps
- Custom Software Development
- Secure by design



# Thank You



[sales@5gn.com.au](mailto:sales@5gn.com.au)

1300 10 11 12