

# Capability Statement

---





# 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



- Ultimo



- SY3 – Alexandria,
- Y4/5 – Alexandria,
- SY1/2 – Mascot



- Ultimo,
- Artarmon



- DC – Alexandria,
- Sydney



- St Leonards



- SYD2 – Lane Cove



- North Ryde



- S1 – Macquarie Park,
- S2 – Macquarie Park



- North Ryde



- Sydney













- Haymarket

18 Data Centres



# Melbourne

	• MDC – Melbourne
	• Port Melbourne
	• ME1/2 – Port Melbourne • ME5 – West Melbourne • ME4 – Derrimut
	• Melbourne
	• Melbourne
	• South Melbourne
	• MEL1 – Derrimut
	• Deer Park
	• M1 – Port Melbourne
	• Port Melbourne



12 Data Centres



# Brisbane



• BDC – Fortitude Valley



• (Primus) – Brisbane



• BR1 – Fortitude Valley



• Brisbane  
• Brisbane



• Fortitude Valley



• Fortitude Valley



• Brisbane



• Brisbane



• B2 – Fortitude Valley  
• B1 – Brisbane



• Brisbane

12 Data Centres



KEY



5G Data Centres



Activated Centre



Fibre Network



# Adelaide



• ADC/KPDC – Kidman Park



• DC3 – Adelaide  
• DC1 – Adelaide



• AE1 – Adelaide



• Adelaide



• Adelaide



• TPG – Adelaide

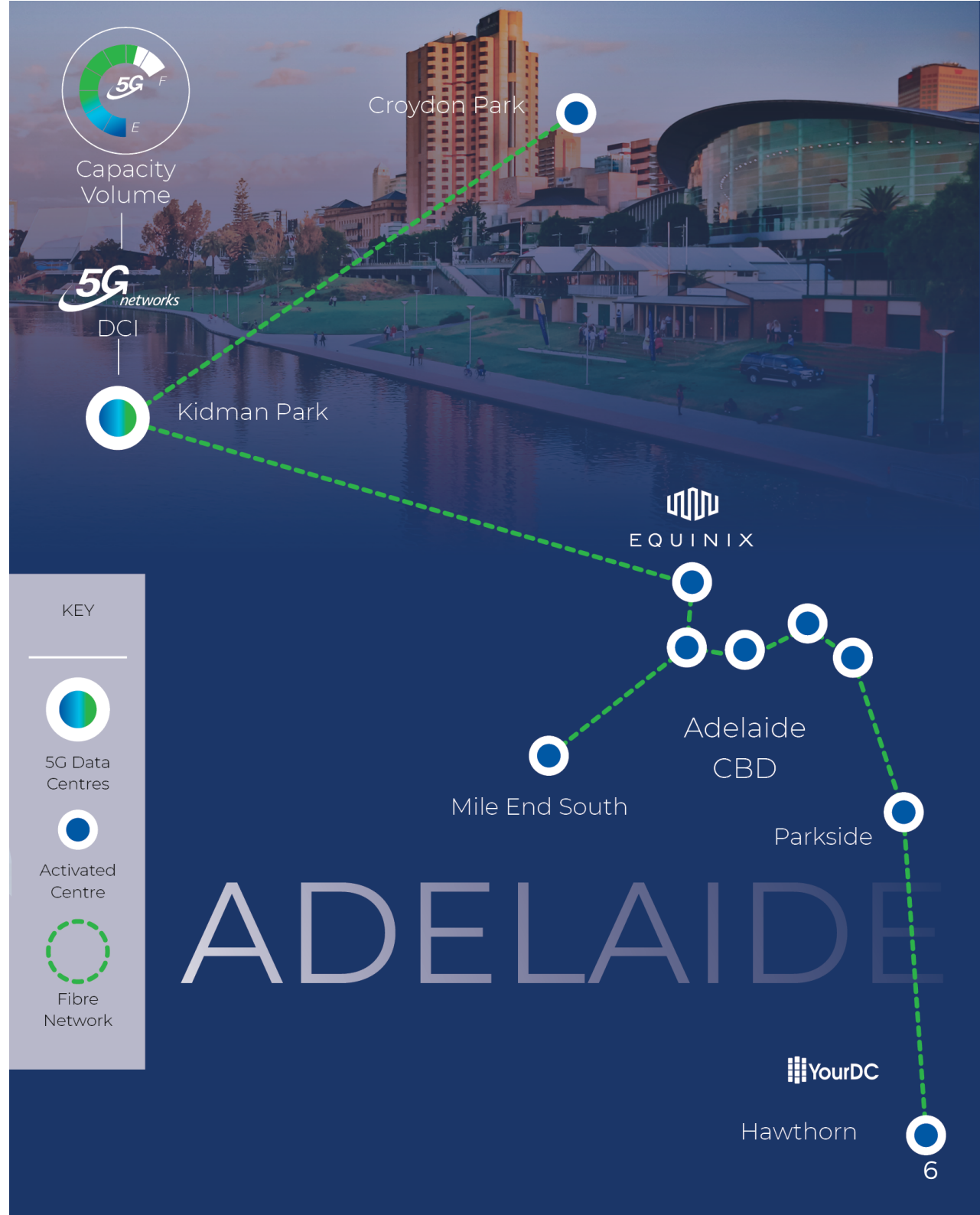


• DC2 – Hawthorn



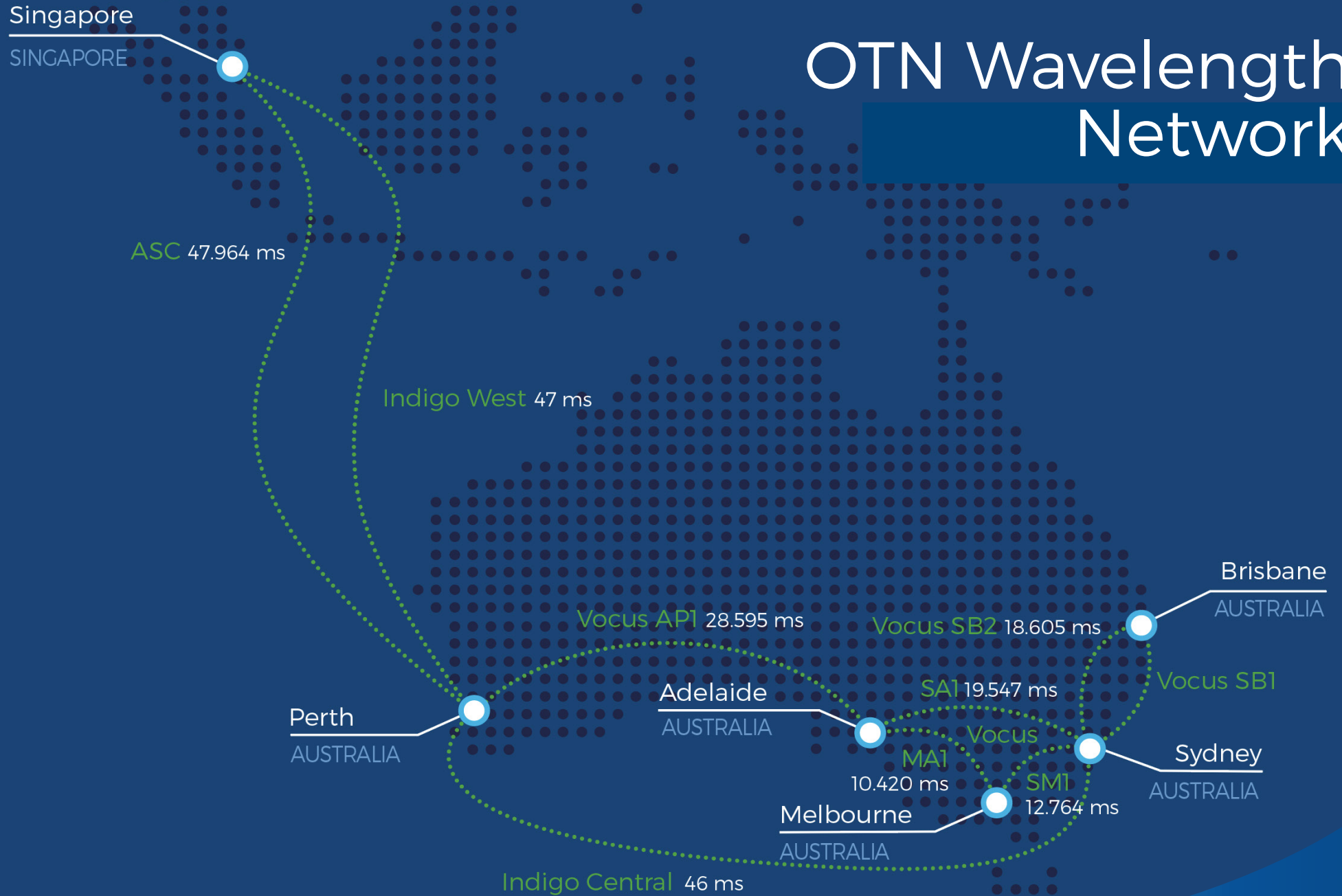
• Dudley Park

9 Data Centres





# OTN Wavelength Network







# 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

## 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

Los Angeles  
UNITED STATES

Singapore  
SINGAPORE

Brisbane  
AUSTRALIA

Perth  
AUSTRALIA

Sydney  
AUSTRALIA

Adelaide  
AUSTRALIA

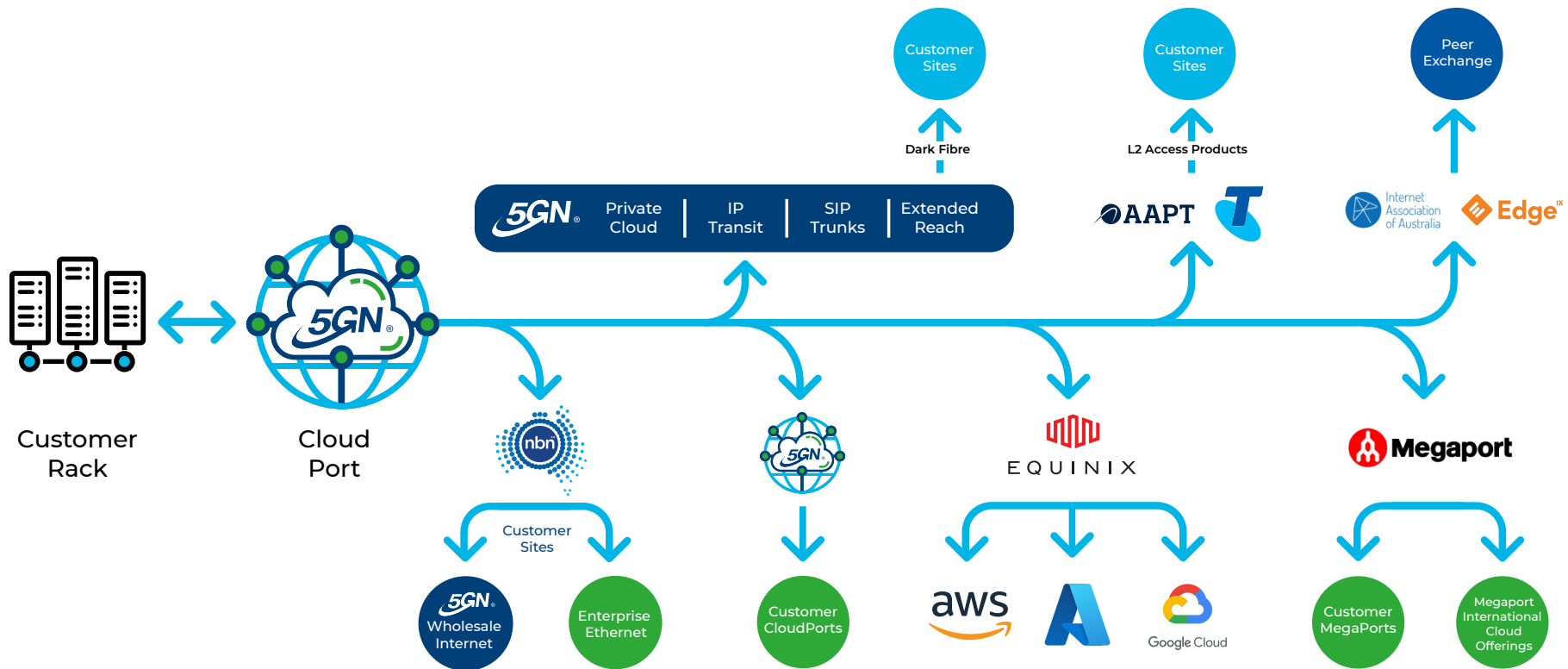
Melbourne  
AUSTRALIA

Auckland  
NEW ZEALAND





# CloudPort – Your Gateway to a world of digital technologies





# Our CloudPort Network

---

NSW	SDC, NSDC, S1, SY1, SY2, SY3, SY4, SY5
VIC	MDC, M1, ME1
QLD	BDC, B1, B2
SA	ADC, DC3, DCI, YDCH
WA	P1, P2, PE2
Singapore	SG3, SG1
Auckland, NZ	220Q
LA, USA	1WIL

## 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

---

- 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

---

- 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+1 Data Centre rating
- Automated User Portal





# Security Shift

---

## 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

---

Our range of services include:

## • 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



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

1300 368 404