

**METRO BRIEF**

# Australia-Sydney

Scaling Digital Business with data-centric architecture and a connected data community approach

## INSIGHTS

Data Gravity inhibits enterprise workflow performance, raises security concerns, and increases costs, all complicated by regulatory requirements and other artificial constraints. It requires a connected community approach between enterprises, connectivity, cloud and content providers integrating core, cloud and edge at centers of data exchange, implementing a secure, hybrid IT and data-centric architecture globally at points of business presence.

## CHALLENGES

Current backhaul architecture cannot address enterprise Data Gravity needs, including:

- Data exchange across multiple internal/external platforms
- Local data copies and ability to run performant analytics across each global point of presence

## SOLUTION

To enable the ever-changing data, control and networking demands of global enterprises, a purpose-built solution is required. The data-centric architecture of PlatformDIGITAL<sup>®</sup> offers tailored deployments at any size and scale and right-sized connectivity options. The Sydney metro enables a robust, diversified, neutral connectivity platform with connectivity to key ecosystems with best-in-class connectivity gateways and capabilities.

**Sydney, Australia** is a critical business hub for many industries including banking and financial services, and is on pace with the the data gravity growth expected in the entire APAC region.

# 159%

**CAGR through 2024**  
Data Gravity Intensity Growth

## DATA GRAVITY INDEX

**DGx<sup>™</sup>** quantifies and predicts the intensity and gravitational force of enterprise data growth across more than 50 metros globally. The patent-pending formula, measured in gigabytes per second, provides a relative proxy for measuring data creation, aggregation and processing.

[Download Full Report](#)

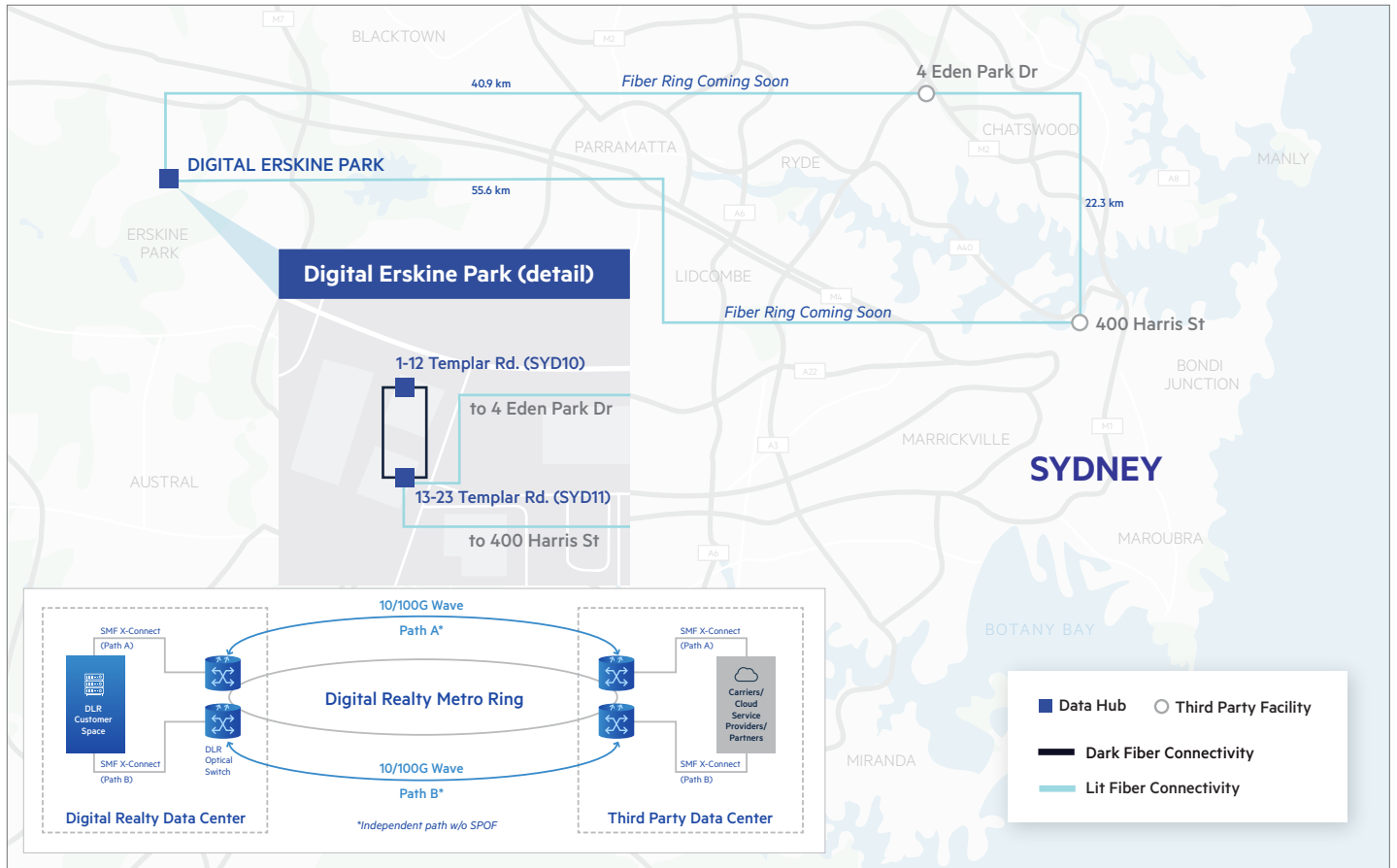
Data  
Gravity  
Index **DGx**

**The largest global provider of multi-tenant data center capacity.\***

\*451 Research, Market Forecast, Leased Datacenter Global Providers, 2020. Capacity measured in terms of both the number of datacenters and operational square footage.

# Sydney Connected Campus

## Connectivity gateway for global enterprises



### CONNECTIVITY ECOSYSTEM

Digital Realty's carrier neutral SYD data centers enable enterprise customers to easily connect to carriers and cloud providers on campus. Leveraging the Metro Connect service from Digital Realty, enterprises can further expand their connectivity ecosystem with access to 120+ service providers including all key global cloud service providers, global carriers, SDN and connectivity providers in 3rd party data centers in a simple and cost effective manner.

### TECHNICAL DETAILS

	Wave	Ethernet
<b>Speed</b>	10Gps/100Gbps	100Mbps/1Gps/10Gbps
<b>Optics</b>	1310nm SMF LR (10km)	1310nm SMF LR (10km)
<b>Optics (100G)</b>	1310nm SMF LR4 (10km)	NA
<b>Connector</b>	SC/LC	SC/LC
<b>Jumbo Frame Support</b>	Yes	Yes
<b>MTU</b>	9600 Bytes	9100 Bytes
<b>VLAN Tagging</b>	Yes	Yes
<b>Q-in-Q with multiple Ethertypes</b>	Yes	Yes
<b>Line side failover protection</b>	No but fully diverse paths can be ordered	Yes (<50ms)

## Request virtual or on-site tours

Learn more about PlatformDIGITAL® at [www.digitalrealty.com/platform-digital](http://www.digitalrealty.com/platform-digital)

Email [contact.APAC@digitalrealty.com](mailto:contact.APAC@digitalrealty.com)