

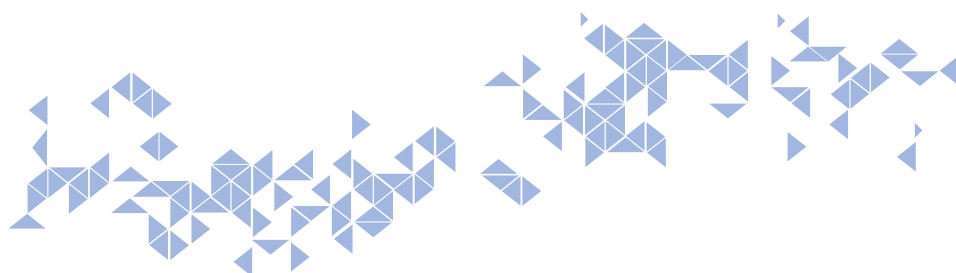
Tata Communications Exchange Internet Data Centre

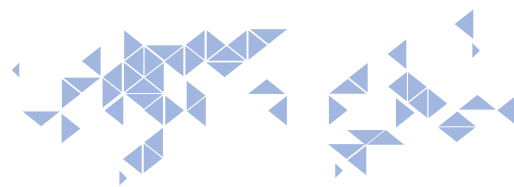
Tata Communications Exchange is a state-of-the-art facility which will house Tata Communications' Singapore-based Internet Data Centre. The six-story, nearly 170,000 square feet facility, will serve as Tata Communications' flagship data centre in the Asia-Pacific region.

All Tata Communications' internet data centres are fully integrated into its globe-spanning, high-capacity, fibre network and offer a wide variety of services including colocation, managed hosting, managed storage and backup and other value-added services. The facility is scheduled to open in 2010.



Exterior perspective view of Tata Communications Exchange





Tata Communications Exchange Internet Data Centre Specifications

Designation _ Tata Communications Exchange (ready for service in 2010)

Site Highlights

- _ Meets and exceeds, in many aspects, Telecommunications Industry Association (TIA) 942 Tier-3 standards.
- _ Built to the BCA Green Mark Gold certification standards and employs the best in Green IT practices.
- _ The data centre space supports close to 2,000 racks and offer rack colocation, caged and private server suites.

Power

- _ Multiple levels of redundant power supply systems, with onsite generators and dynamic UPS units.
- _ Conforms with and exceeds some Tier-3 engineering standards.

Cooling and Environmental

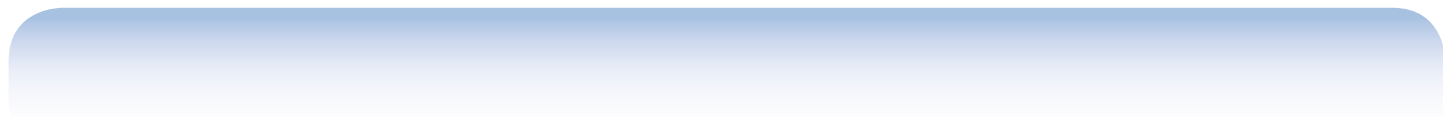
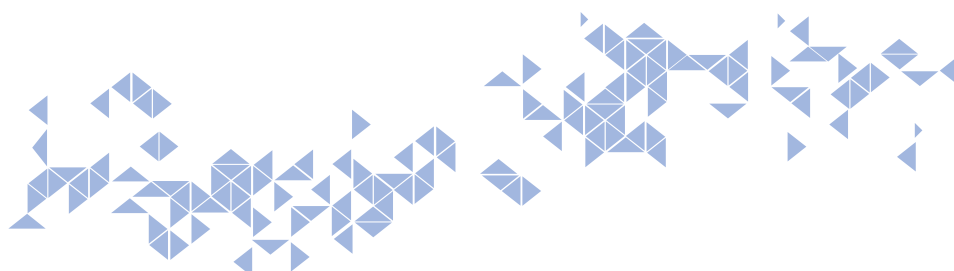
- _ Redundant HVAC/CRAC systems
- _ Fire protection system with pre-action sprinkler and smoke detection systems

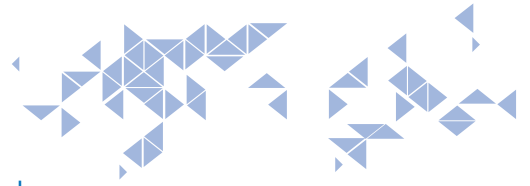
Security

- _ 24x7x365 security monitoring with closed circuit TV, remote and onsite physical and logical security personnel.
- _ Restricted physical access areas controlled through biometric and card reader mechanisms.

Connectivity

- _ Access to Tata Communications' Tier-1 IP backbone for dedicated Internet access, MPLS and Ethernet access services.
- _ Carrier diversity through multiple domestic and international carriers.





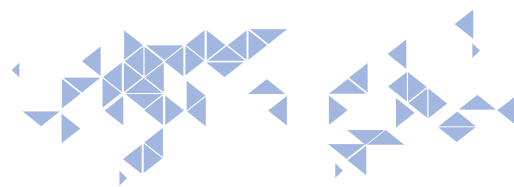
Global Internet Data Centre Footprint



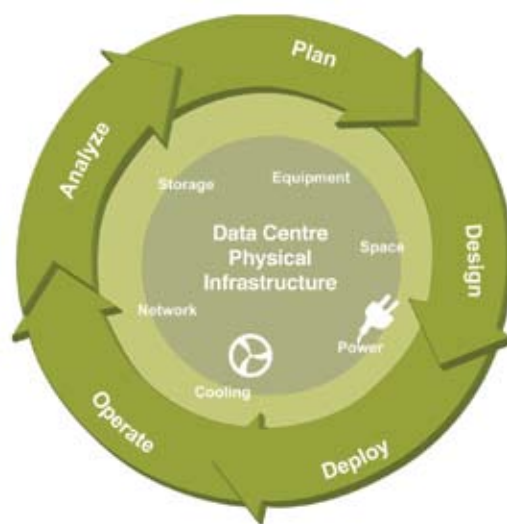
Global Services and Capabilities: Tata Communications' Internet Data Centres

- _ Incorporate the most sophisticated design methodologies and cutting-edge equipment combined with layered security across all sites and fully integrated environmental controls and monitoring systems to meet all of your data management requirements
- _ Centrally managed from the Managed Services Operations Centre (MSOC) to ensure global service consistency.
- _ Built and operated to the highest global standards to deliver a secure, reliable and resilient infrastructure for support of our client's data centre needs.
- _ Employ Green IT practices in all aspects to deliver its data centre services; from construction to maximizing operational efficiencies that can then be passed on to our clients.
- _ Benefit from Tata Communications' service delivery methods, based on ITIL and operational model that is ISO/IEC 14001, 20000, 27001 certified. Additionally, Tata Communications is SAS 70 Type 1 and 2 certified, providing validation of completion of the necessary audit of its control processes in delivering data centre services.





Tata Communications Exchange Data Centre Services



- **Colocation Services:** Reduce the cost and complexity involved in hosting your servers, networking and storage devices by collocating them at our secure, state-of-the-art global internet data centres. Always stay connected with our high capacity global Tier-1 IP network and extensive 3rd party carrier relationships that are all securely integrated as part of our global data centre footprint. Colocation services include remote-hands, IP and network services.
- **Managed Hosting Services:** Host your servers, systems and applications in the manner that best supports your business and customers. Improve the performance of your IT infrastructure by utilizing our managed hosting services which deliver maximum service availability, reduced system downtime and optimize your total cost of ownership. Managed Hosting services include virtualization and database management.
- **Managed Storage and Backup Services:** By providing advanced storage technologies and capacity, our suite of Managed Storage services offers a variety of on-demand storage, backup and recovery services to protect your data from loss and to ensure business continuity and disaster recovery. Managed Storage services include dual site replication and offsite tape backup and archiving services.
- **Value-added services:** Tata Communications will provide a suite of complementary services to its Data Centre customers, including Managed Security Services, Content Delivery Network services, application optimization, and Network services, including dedicated Internet access, MPLS and Ethernet and private line services.