



Discover the power of global connectivity

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CEO's Message

In today's world, it is hard to imagine a business running its operations efficiently without a high-speed and secure connection.

The Internet plays a critical role in the growth of any business venture. It won't be an overstatement to say that in the current aggressive business environment, reliable connectivity is essential to stay competitive. We assure you of that reliability.

Transworld launched its operations in 2006 in Pakistan. It owns a submarine cable TW1 and is a consortium member of SEA-ME-WE 5 and SEA-ME-WE 6 connecting Pakistan to the Asia Pacific, Middle East, and Europe. The 2Africa cable will land at Transworld's Cable Landing Station in Karachi, Pakistan. Transworld has an established state-of-the-art network that covers all major metros in Pakistan and connects them to the world.

Backed by the best-in-class multi-homed optic-fiber submarine cable and industry-leading SLAs, Transworld offers cost-effective, tailor-made products ensuring resilient, high-speed connectivity and reliability.

While maintaining a strong foothold in the corporate segment, Transworld also decided to reach out to consumers via GPON services to unleash the untapped market potential. Transworld's mission is to become a 'long-haul international bandwidth provider' of choice for the corporate sector and to be a household name in Pakistan as the most credible internet provider. With a customer-centric approach, we always strive to offer the best experience.

Junaid Iqbal

Junaid Iqbal Khan
CEO



About Transworld

Transworld is a joint venture of Orastar Limited and OMZEST Group of His Excellency Dr. Omar Abdul Mone'm Yousuf Al Zawawi of the Sultanate of Oman.

Transworld is Pakistan's only private sector organization with exclusive ownership of the Submarine Fiber Optic Cable Networks, which makes it the leading connectivity provider in Pakistan. We are a TIER-1 network operator delivering internet bandwidth to Pakistan's top cellular mobile operators, ISPs, corporate organizations, and thousands of small and medium enterprises. With our extensive footprint of Fiber Optic Networks, we connect the people of Pakistan to the digital world.

Transworld commenced operations in 2006 and is the only operator in Pakistan which owns its 1,300 KM submarine cable system TW1 and is also the consortium member of the latest 20,000 KM fiber optic cable system SEA-ME-WE 5, which is a multi-regional data superhighway connecting Pakistan to Asia Pacific, Middle East, and

Europe. TWA has also obtained capacities on other regional cables, both on the eastern and western sides, for creating route diversity and resilience. The company has to peer in the Middle East, Europe, the US, and the Far East with Tier-1 operators to provide the lowest latency connections for Internet and data traffic. Our points of presence in international markets like Germany, France, and Singapore ensure the lowest latency for our customers.

TWA is perfectly synchronized to the global Internet peering ecosystem via direct connectivity to content providers such as Google, Facebook, Akamai, Netflix, Amazon, and several others, which makes the customer experience a faster internet.





Our Values

Strive to Thrive

Inspired by our mission to provide the best, we plan and execute with an ultimate commitment every moment of every day.

Customer Centric

Our belief in customer centricity helps us deliver a better world to them and win their belief in us. We are entirely dedicated to turning this amazing relationship into a never-ending one.

Reliability

We endorse our reputation for our virtue in the marketplace and retain it by providing our customers with what's promised.

Integrity

Respect for people is one of our principles too. We listen to each other and our communities of interest and incorporate feedback into the approaches we take. We believe and follow the saying, "To gain respect, you must start giving it."

Teamwork

None of us is as smart as all of us. So, together we form a team, and our team makes our dream work. The unity among us is the fuel to drive our brand to an untouchable height of success.



TW1 Cable System

Transworld provides route diversity by obtaining capacities on regional cables.

It supports simultaneous cross-transmission of voice, data, video, and signals that can be encoded digitally over dedicated terrestrial or satellite channels.

The wide range of data speeds we provide allows you to connect to the world anytime, anywhere. We also have extension agreements for specific bandwidth that meets your particular requirements.

Merging a revolutionary network with DWDM technology, Transworld's (TW1) cable system has an ultimate capacity of 3x3.8 Tbps (KHI-FUJ, FUJ-SEEB, SEEB-KHI). The cable covers about

1,272 KMs of the area with its landing station in Karachi (Pakistan), Fujairah (UAE) and Seeb (Oman).

It operates as a bridge among enormous international submarine cable networks, including MENA, EIG, AAE-1, and TGN Gulf/Seacom. It can connect customers around the world anytime, anywhere. We also have extension agreements for the enhancement of our network capacity to any destination in Pakistan via a highly redundant DPLC network.



● TW1 Cable System (Self Owned)



SEA-ME-WE 5: Multi regional Data Superhighway

Being a highly reliable and globally connected network, Transworld provides end-to-end connectivity all around the world.

South East Asia–Middle East–Western Europe (SEA-ME-WE 5) submarine cable system is the latest, state-of-the-art, matchless, PoP to PoP, multi-regional data superhighway, which covers a 20,000 km area, connecting 17 countries from Singapore to the Middle East to France and Italy in Western Europe, with an initial system design capacity of 24Tbps over three fiber pairs. Designed with the latest upgradable 100Gbps technology enabling an initial system capacity of 24Tbps, it provides the lowest latency, further enhancing the diversity and resilience of the heavily loaded Asia to Europe route.

The SEA-ME-WE 5 consortium consists of 19 leading telecom operators, including BSCCL,

China Mobile International, China Telecom Global, China Unicom, Djibouti Telecom, Du, Myanmar Post and Telecom, Orange, Ooredoo, Telin, Saudi Telecom, SingTel, Sri Lanka Telecom, Telecom Italia Sparkle, Telecom Egypt, Telekom Malaysia, Telecom Yemen, Turk Telecom and Transworld.

The SMW5 cable system was ready for service on December 18, 2016. In Dec 2021, SMW5 Cable System completed its third upgrade with Ciena’s Wave logic 5e 500G DWDM Technology, increasing SMW5 design capacity to 39.6Tbps.

Transworld offers the lowest latency from Karachi to Singapore & Marseilles on this Cable System.



● SEA-ME-WE 5 (Consortium Cable)

SEA-ME-WE 6: The Future of Global Connectivity

The state-of-the-art system supports the rising demands of digital transformation, innovation, and economic growth.

South East Asia–Middle East–Western Europe 6 (SEA-ME-WE 6) is a 19,200 km long submarine cable system connecting Pakistan with multiple countries between Singapore and France. SEA-ME-WE 6 will offer one of the lowest latencies available between Southeast Asia, the Middle East, and Western Europe, transferring more than 100 Tbps over 8 Fibre pairs with a capacity of 13.2 Tbps per fiber pair, the equivalent of 40,000 high-definition videos each second.

The consortium includes Transworld Associates, Bangladesh Submarine Cable Company, Bharti Airtel Ltd. (India), Dhiraagu (Maldives), Djibouti Telecom, Mobily (Saudi Arabia), Orange

(France), Singtel (Singapore), Sri Lanka Telecom, Telecom Egypt, Telekom Malaysia and Telin (Indonesia).

SEA-ME-WE 6 provides an additional layer of diversity and resilience for the high-traffic density route between Asia and Europe, strengthening the overall network of each consortium partner through trans-Egypt's new geo-diversified crossings and landing points.

The added flexibility means service providers in the consortium can rapidly scale capacity, protect traffic from faults, and lower the total cost of network ownership.

The SEA-ME-WE 6 will be ready for service in Pakistan in Q4 by 2025.



- SEA-ME-WE 6 (Upcoming Cable)
- TRUNK
- BRANCH
- - OPTION



● 2Africa (Upcoming Cable)

2AFRICA - The Largest Sub Sea Cable Project

180Tbps cable system spanning 45000 KMs, connecting 33 countries in Africa, Asia, and Europe via 46 cable landing stations.

2Africa cable system was announced in May 2020 with an initial plan for connecting 23 countries including 21 landings in 16 countries in Africa. Later in September 2021, 2Africa announced the extension of 2Africa Pearls; extending to the Gulf, Pakistan, and India.

2Africa cable system is going to implement a new technology, SDM1 from ASN, incorporating optical switching technology to enable flexible management of bandwidth. Cable burial depth has also been increased by 50% compared to older systems, and cable routing will avoid locations of known subsea disturbance, all helping to ensure the highest levels of availability.

The 2Africa consortium comprises China Mobile International, Djibouti Telecom,

Meta (Facebook), MTN GlobalConnect, Orange, Saudi Telecom Company (STC), Telecom Egypt, Vodafone, and West Indian Ocean Cable Company (WIOCC). Alcatel Submarine Networks (ASN) is the main supplier to building the 2Africa cable system.

The cable will land at Transworld's Cable Landing Station in Karachi, Pakistan. Transworld will also facilitate 2Africa to extend capacity from its cable landing station across Pakistan.

2Africa will be ready for service in Q4 2024.



Total Connectivity

The transworld global network is one of the most resilient networks in Pakistan.

We have peering agreements with Tier 1 operators on both Eastern and Western routes through multiple submarine cables, which ensures unmatched redundancy and zero downtime.

Transworld provides connectivity in all major cities of Pakistan.

We are also the consortium partner of the information superhighway SEA-ME-WE 5.

TW has ample restoration capacity on SEA-ME-WE 4 and AAE-1 cables for route diversity. To further improve resilience, Transworld is engaged with the SEA-ME-WE 6 submarine cable system, which will further enhance the connectivity of Pakistan.

Transworld has a matchless footprint across the globe through special capacity arrangements with its international partners.

Leading organizations like Cogent, Telecom Italia, Omantel, and others make our connectivity reach both east and west of Pakistan with the lowest latency. Our peering arrangements with Google, Facebook, DE-CIX, Equinix, and local Content Delivery networks from Google, Facebook, Akamai, Netflix, and Cloud flare provide an unmatched user experience.

The company is all set to establish its own POPs in the United States and the Far East for world-class quality and resilience.

It has arrangements with multiple long hauls and local loop operators for the provision of seamless connectivity across the country to its local and global customers. TWA deployed its state-of-the-art ASON-based nationwide long-haul network in Pakistan, which has been operational since 3rd quarter of 2019.

With its ultra-modern network, own private cable, international peering with Tier 1 operators, and strong local presence, Transworld gives inimitable SLAs to its local and international customers.



Biggest Purpose Built Landing Station in Pakistan

Advance Cable Landing Station

Built on telco-grade standards, Transworld owns and operates the largest and most technologically advanced purpose-built cable landing station in Pakistan.

State-of-the-art Network

Transworld's highly redundant network of global standards and the latest technology provides matchless reliability, availability, and performance.

Submarine cable

Transworld is Pakistan's first privately owned submarine fiber optic cable operator.

Advance Infrastructure

The purpose-built landing station is housed in telco-grade buildings equipped with a certified FM 200 industry-leading automatic fire fighting system.

Leading SLA in the Industry

The confidence we have in our network's reliability and performance management can be experienced through our industry-leading Service Level Agreements (SLA).

Highly Qualified Technical Team

Transworld's team of experts monitors our network 24/7, 365 days a year to detect and rectify problems even before they're reported.

Redundant power feed equipment

Our advanced power equipment ensures submarine cables observe no outage. Generators and battery banks provide a backup power supply for smooth operation.

Restoration

We have restoration agreements with global and local operators on both routes, therefore we can switch you over to a backup system in case of any connectivity failure.

Fast Access to IP Cloud

Through our effective routing and public and private peering contracts with major international internet exchanges, we provide you high-speed access to internet content with no latency and hops.

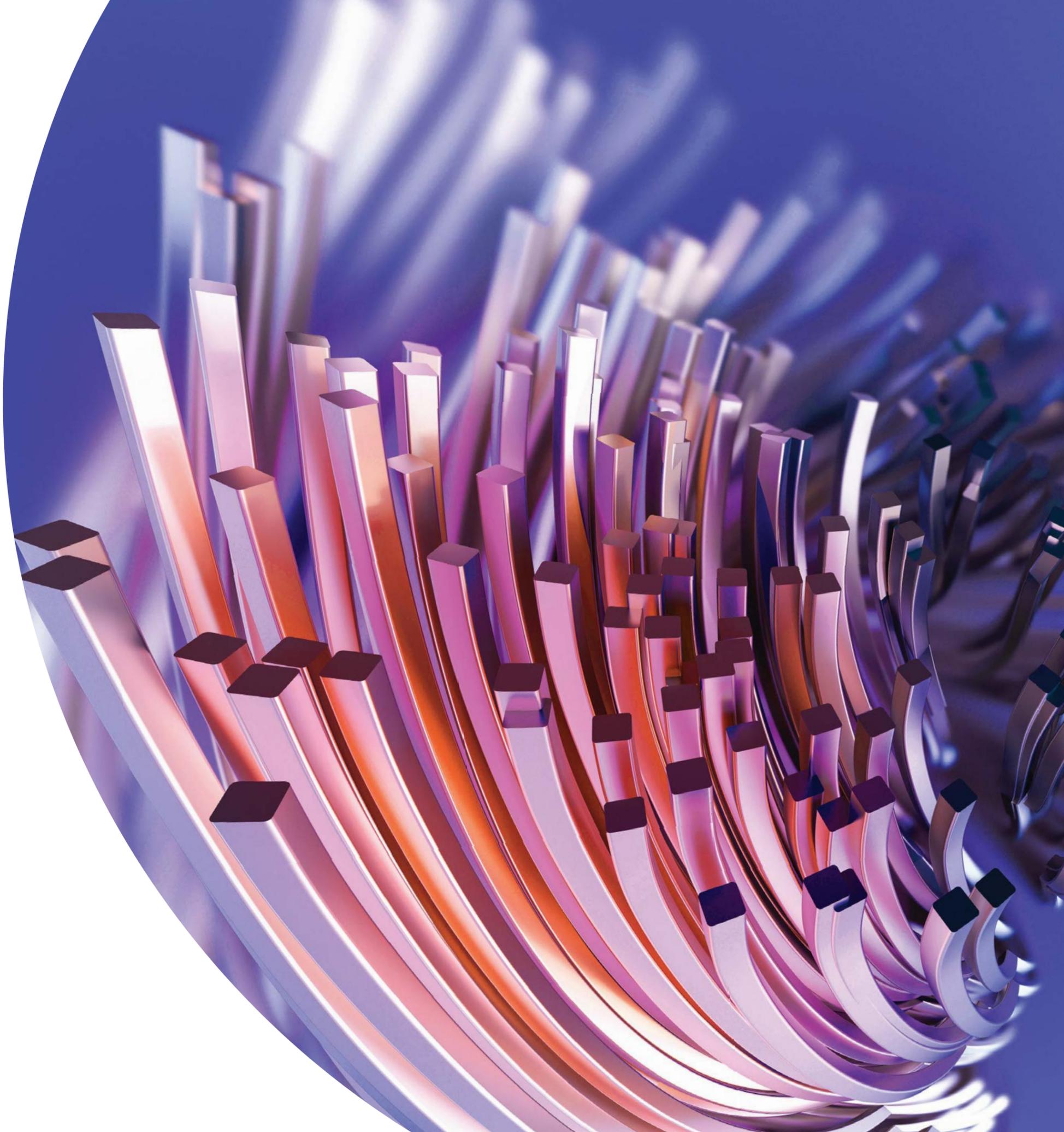
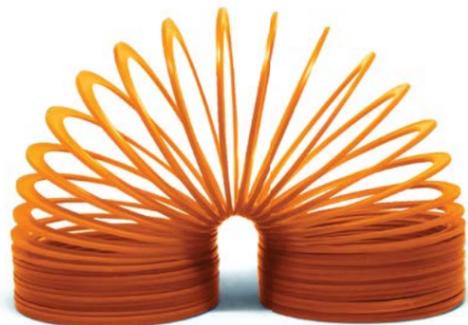
Temperature controlled chillers

The systems are kept at optimum temperatures using temperature-controlled chillers that provide precision cooling using the most advanced APC in-row cooling mechanism.



Flexible and Reliable

- Being the pioneer of private submarine fiber-optic cable in Pakistan, we aim to provide restorable international bandwidth services to telecom operators, ISPs, and corporate customers.
- Transworld has transformed the industry with the provision of world-class and dedicated customer service.
- The tactical use of MPLS-based traffic engineering makes Transworld an avant-garde network with a redundant internet gateway.
- Transworld leads the industry in the provision of SLAs for uptime, latency, and packet drop.
- Dual PFEs (Power Feed Equipment), redundant DC rectifiers, redundant power generators, and FM-200 firefighting and suppression system make Transworld's landing station the most advanced in the country.
- Transworld's proactive customer service is dedicated 24/7, 365 days a year, to ensure hassle-free connectivity for the users.
- Transworld has multiple international and local agreements to ensure seamless connectivity in emergency or mishap.
- Through our specially designed SOPs, our valued customers can get international connectivity with reduced lead time anytime, anywhere.
- Our Customer Loyalty Program is a perfect example to elaborate our devotion towards our customers.





IP Transit

Transworld's IP Transit service offers a seamless communication channel that can satisfy all your local connectivity needs.

We offer high-performance premium CIR Internet connectivity with no traffic congestion and guaranteed performance.

Our IP Transit service offers short-hop internet access via the internet cloud through our private and public peering contracts with major internet traffic exchanges.

Our state-of-the-art DWDM/SDH network enables rapid access to global content so that in the rapidly changing information scenario, you are always up-to-date.



IPLC

Supported by our technically advanced core network, Transworld IPLC service provides clear channel bandwidth for global communications.

It is a dedicated point-to-point bandwidth solution that can carry voice, data, internet, or video traffic to virtually any place in the world.

It enables an organization to communicate with its POPs, offices, partners, and customers who are geographically dispersed throughout the world with maximum security and minimum delays.

IPLC users can securely transmit and receive large volumes of data at high data rates and high speeds and face no traffic congestion due to dedicated circuits. IPLC can be used for voice traffic, internet access, business data exchange, video conferencing, and any other form of communication.

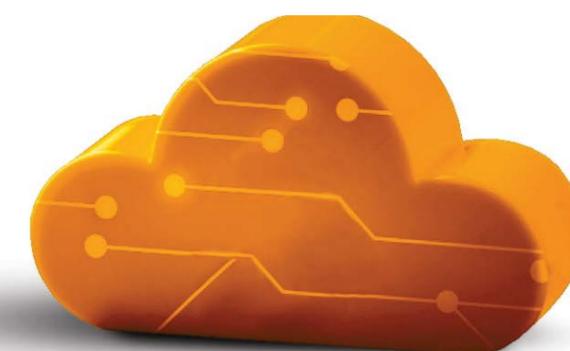




Global MPLS

MPLS (Multi-Protocol Label Switching) service is an all-for-one, one-for-all solution by Transworld that directly links all your international and domestic sites to a single IP network.

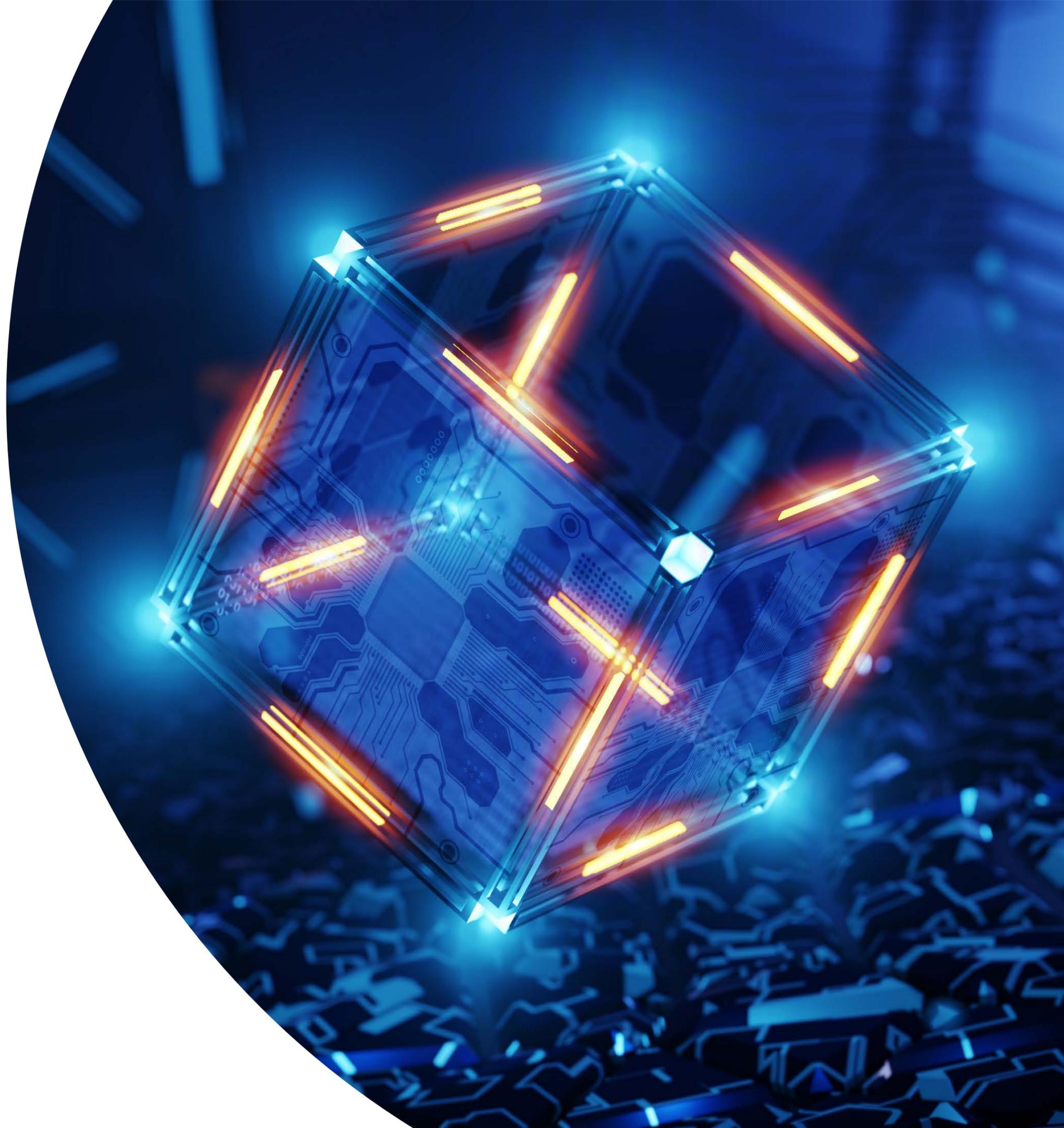
It's a perfect solution for customers who want to transit internationally among traditional packet-based, premises-based, and powerful network-based IP VPN solutions.



i-Connect

i-Connect provides our customers with a managed, secure, and cost-effective network solution.

Transworld's 'i-Connect' is a domestic data connectivity service offering from its suite of global products. i-Connect provides our customers with a managed, secure, and cost-effective network solution. By subscribing to 'i-Connect' services, customers can leverage Transworld's wide area IP network. This translates into lower costs for the customer along with simplified networking requirements.



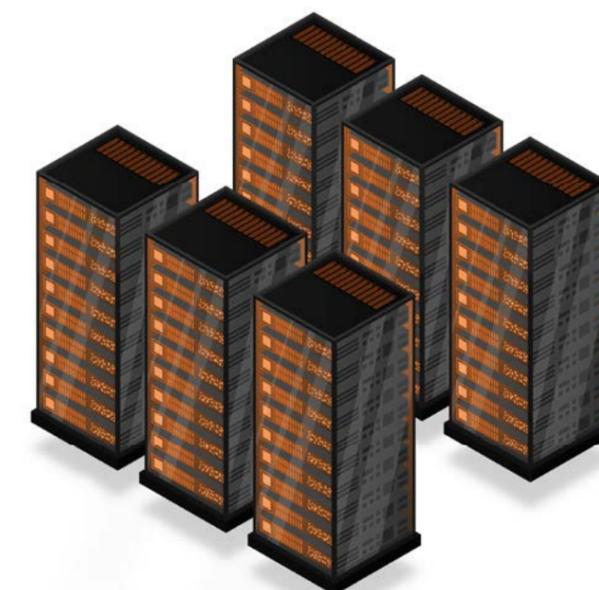


Data Centre

Transworld Data Centre is one of its kind co-location service for disaster recovery, business continuity, virtual POPs, mobile commerce, online media content, and backup and dump servers.

Get what you need on the go with our telco-grade Tier III data center, built at the hub of entirely local and international data traffic.

With zero downtime, 99.995% SLA, and adequate security, Transworld Data Centre is an absolute solution for your co-location needs.



DDoS Protection

Transworld's DDoS Protection Service is a managed service that provides our customers with internet connections and internet-facing hosts with protection against the threat of DDoS attacks.

During such an attack, the best practice for effective DDoS protection is to thwart attacks as close to the source as possible, typically at the edge of the network.

TWA's DDoS Mitigation platform intelligently identifies and defends malicious attack traffic at the internet gateway site before it reaches our core network and customer port, where it will cause the most damage.

The DDoS service combines the benefits of inspecting traffic at the packet level with the power of infrastructure-based enforcement to analyze, identify and discard malicious DDoS attacks.

By filtering the malicious traffic at our internet gateway site, we ensure that our customers' internet connection and hosts do not become saturated with DDoS attack traffic and remain operational. Our service is currently focused on the country's financial institutions, data centers, and hosting service providers to ensure their highest availability for their high uptime-dependent business.



