



Discover the power  
of global connectivity.



## President's Message

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

Transworld launched its operations in 2006 in Pakistan and owns the submarine cable TW1. It is a consortium member of SE-ME-WE-5 connecting Pakistan to the Asia Pacific, Middle East, and Europe. 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 and tailor-made products ensuring resilient and 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.

Kamran Malik  
President

# About Transworld

Transworld is a joint venture of Orascom Telecom Media and Technology Holding S.A.E, Orastar and His Excellency Dr Omar Abdul Mone'm Yousuf Al Zawawi of Sultanate of Oman. Transworld is Pakistan's only private sector organization with exclusive ownership to 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. Due to 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 20,000KM fiber optic cable system SEA-ME-WE 5 which is a multiregional data superhighway connecting Pakistan to Asia Pacific, Middle East and Europe. TWA has also obtained capacities on other regional cables, both on eastern and western sides, for creating route diversity and resilience. The company has peering in Middle East, Europe, US and Far East with Tier-1 operators to provide lowest latency connections for Internet and data traffic. Our points of presence in international markets like Germany, France and Singapore ensures 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 this makes us win their belief in us. We are entirely dedicated to turn this amazing relationship into a never-ending one.

### **INTEGRITY:**

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

### **RESPECT FOR PEOPLE:**

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 actually believe and follow the saying "In order 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 teamwork makes our dream work. The unity among us is the fuel to drive our brand to an untouchable height of success.

# Private Submarine Cable Systems

Being a highly reliable and globally connected network, Transworld provides end-to-end connectivity all around the world. 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 select the specific bandwidth that meets your particular requirements.

Merging a revolutionary network with DWDM technology, Transworld's (TW1) cable system has an ultimate capacity of 3.8Tbps with an installed capacity of 480 Gbps. 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, TGN Gulf / Seacom. It is able to 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 highly redundant DPLC network.



- TW1 Cable System (Self Owned)
- SeaMeWe5 (Consortium Cable)



## Total Connectivity

Transworld's 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 is the only operator in Pakistan which owns its submarine cable system called TW1. We are also the consortium partner of the information superhighway SEA-ME-WE 5. TW has ample restoration capacity on SWM4 and AAE-1 cables for route diversity. To further improve resilience,

Transworld is already engaged with 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 POP's in the United States and the Far East for world-class quality and resilience.

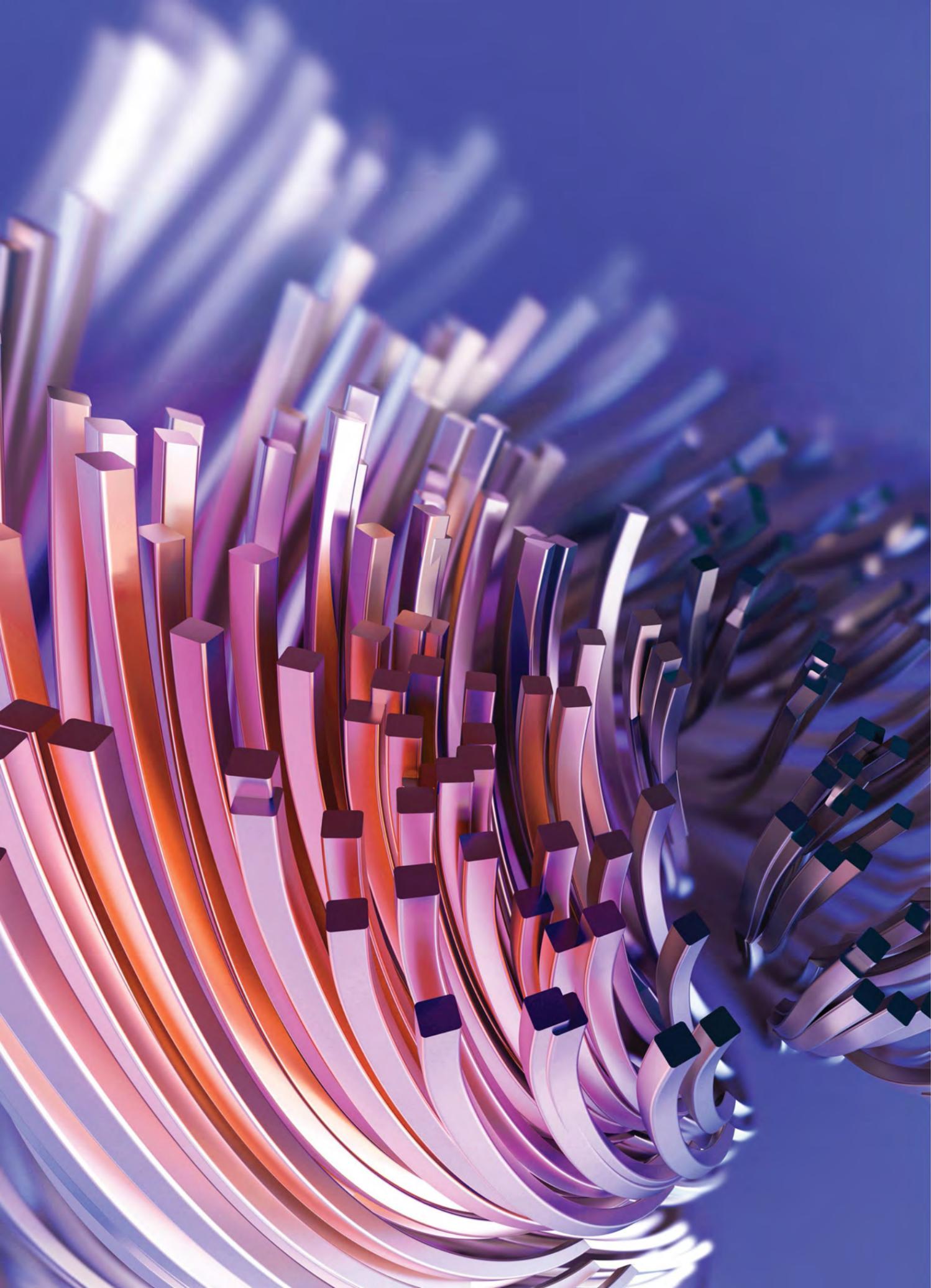
With its state-of-the-art landing station in Karachi, Transworld has its POPs established in all major cities of Pakistan. It has arrangements with multiple long hauls and local loop operators for the provision of seamless connectivity across the country to its local and global customers. TWA has also deployed its state of the art WSON based nationwide long haul network in Pakistan which will become operational in 3rd quarter 2019.

By the virtue of 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 Landing Station

FEATURES	BENEFITS
An Orascom Telecom Company	Transworld utilizes Orascom's huge telecom infrastructure and professional expertise to deliver unmatched communication services in Pakistan.
State-of-the-art Network	Transworld's highly redundant network of global standards and our latest technology provides you with matchless reliability, availability, and performance.
Single-window Operation	With end-to-end connectivity solutions, Transworld successfully provides what you require.
Highly Responsive Customer Service	Provision of dedicated customer support with zero delays, whenever needed, wherever needed.
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 monitor our network 24x7x365 to detect and rectify problems before even they're reported.
Flexible Bandwidth Options	We offer flexible connectivity options ranging from 2Mbps to Gig level with our customers having the leverage of upgrading or downgrading.
Restoration	We have restoration agreements with global and local operators on both the 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, public and private peering contracts with major international internet exchanges, we provide you high-speed access to internet content with no latency and hops.
Premium IP Services	Our standard offering of IP Transit is entirely committed with the information rate of 100%.





## 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 in the industry for the provision of SLAs for uptime, latency and packet drop.
- Dual PFEs (Power Feed Equipment), redundant DC rectifiers, redundant power generators, FM-200 firefighting & suppression system make Transworld's landing station the most advanced in the country.
- Transworld's proactive customer service is dedicated 24x7x365 to ensure hassle-free connectivity for the users.
- Transworld has multiple international and local agreements to ensure seamless connectivity in any kind of 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. Content on the internet is delivered to you via a secure, low latency and low packet loss carrier grade networks, ensuring information flow like never before. 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 with the latest.





## 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 the maximum security and the minimum delays.

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

# 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 the customers who want to transit internationally among traditional packet-based, premises-based and a powerful network-based IP VPN solution.





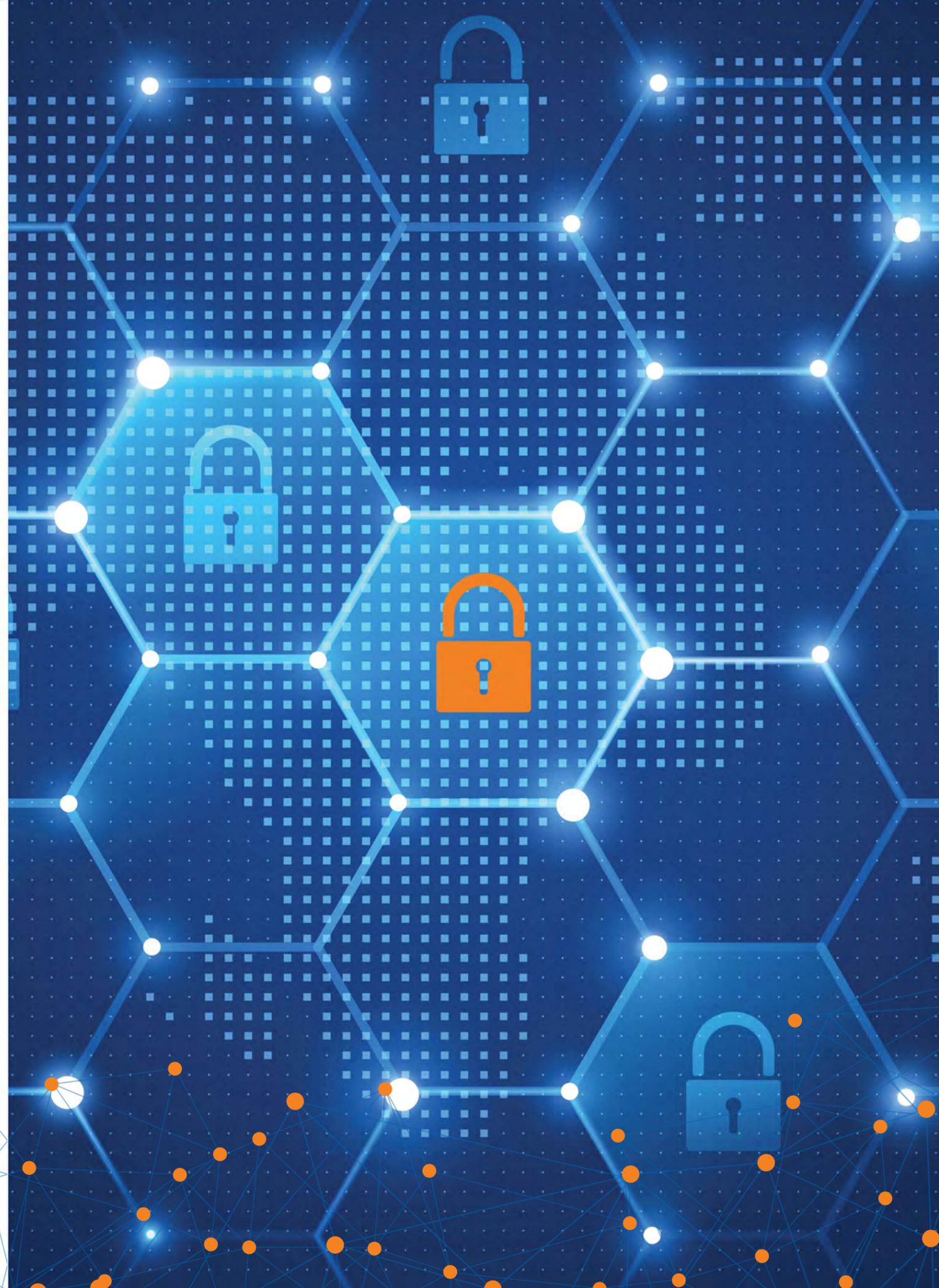
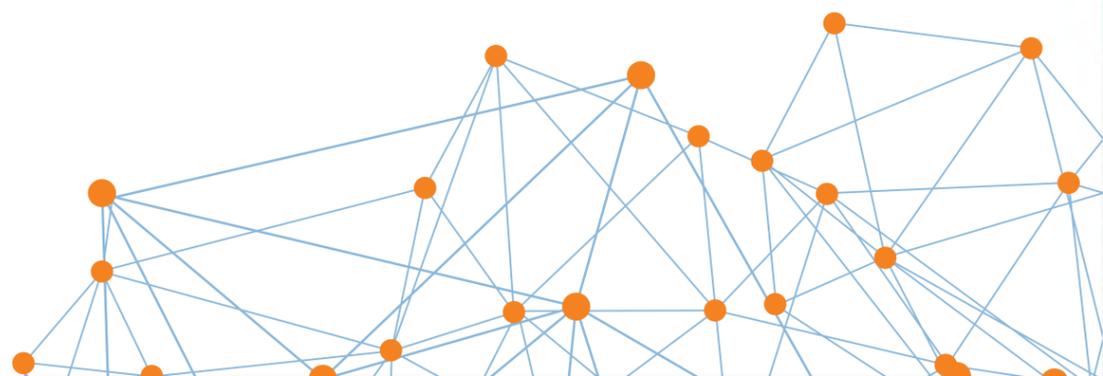
## Data Centre

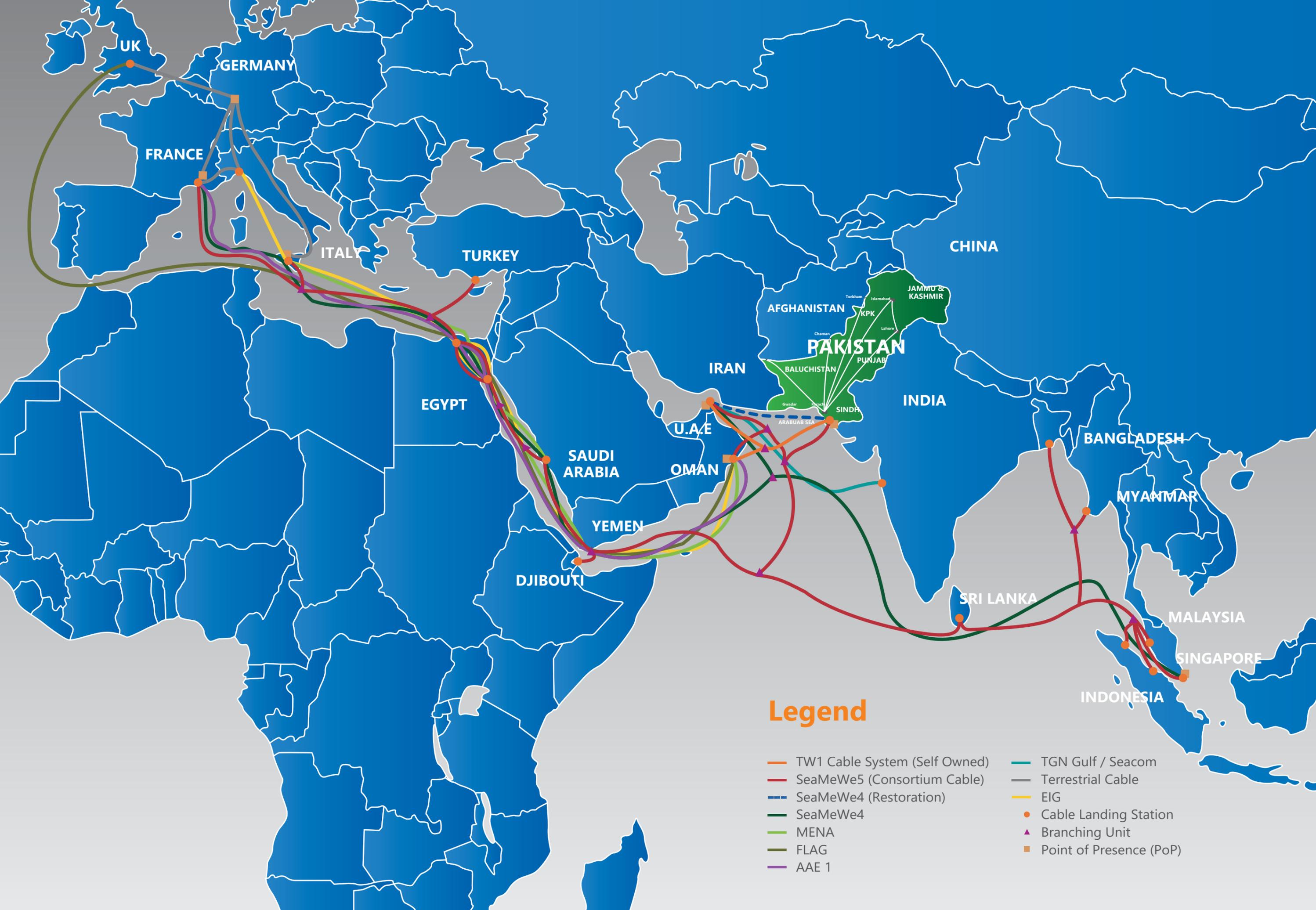
Transworld Data Centre is one of its kind co-location service for disaster recovery, business continuity, virtual POPs, mobile commerce, online media content, and backup & dump servers. Get what you need on the go with our telco Grade Tier III data center, built at the hub of entire local and international data traffic. With zero downtime, 99.995% SLA and adequate security, Transworld Data Center is an absolute solution for your co-location needs.

# DDoS Mitigation

Transworld's DDoS Mitigation Service is a managed service that provides our customers with internet connections and internet facing hosts with mitigation against the threat of DDoS attacks. During such an attack a customer's internet traffic is redirected through our DDoS Mitigation platform which intelligently identifies and defends malicious attack traffic in our core network before it reaches a customer port where it will cause the most damage.

The DDoS service uses Attack Detection and Attack Mitigation Systems located at our Internet Gateway, to analyze, identify and discard malicious DDoS attack traffic generating from the web before it reaches a customer's port. By filtering the malicious traffic in our backbone we ensure that our customers' Internet connection and hosts do not become saturated with DDoS attack traffic and remain operational. Our service is currently focusing the country's financial institutions and CDN (Content Delivery Network) to ensure their highest availability for their high uptime dependent business.





### Legend

- TW1 Cable System (Self Owned)
- SeaMeWe5 (Consortium Cable)
- SeaMeWe4 (Restoration)
- SeaMeWe4
- MENA
- FLAG
- AAE 1
- TGN Gulf / Seacom
- Terrestrial Cable
- EIG
- Cable Landing Station
- ▲ Branching Unit
- Point of Presence (PoP)