

Your Europe-Asia route

Our Turkish connectivity

The future is exciting.
Ready?



Vodafone East West Turkey Connect Fiber Cable System

Until now, there has been a limited choice of options for providing capacity between Europe and the Middle East and beyond. Vodafone has invested in new fibre infrastructure across Turkey, enabling connectivity between the Eastern and Western borders.

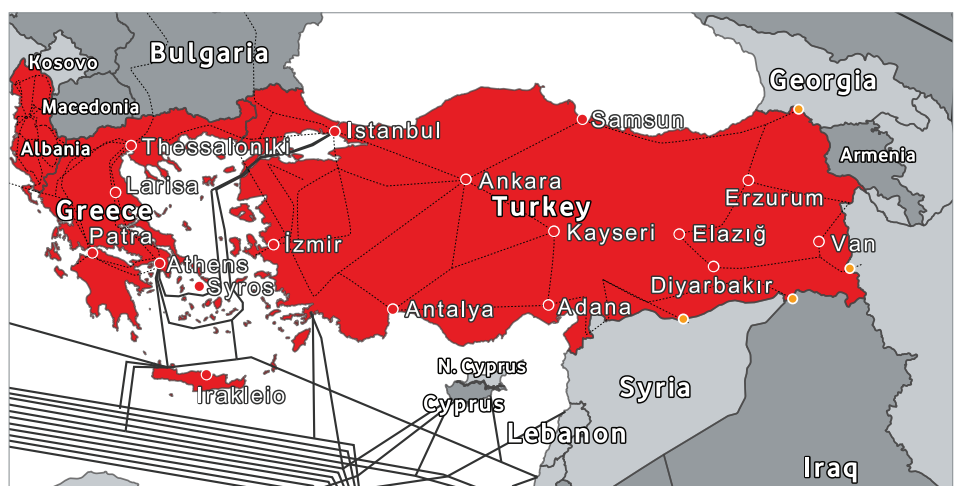
Linking countries, continents and cultures

This new fibre infrastructure, Vodafone East West Turkey Connect (EWTC), enables a viable and cost-effective alternative for carriers and global enterprises demanding high-speed connectivity between Europe, the Middle East and Asia. The International Monetary Fund in its Regional Economic Outlook, April 2016, predicted that the Arab World, made up of Algeria, Bahrain, Djibouti, Egypt, Iraq, Jordan, Kuwait, Lebanon, Libya, Mauritania, Morocco, Oman, Qatar, Saudi Arabia, Sudan, Syria, Tunisia, United Arab Emirates and Yemen are on average forecasting growth of 3.2% with economic activity starting to strengthen, albeit gradually and unevenly.

We have invested 3.7B Turkish Lira (\$1.7B) over the past three and a half years including Vodafone East West Turkey Connect, which extends our total fibre coverage in Turkey by 2.5 times via terrestrial cables from one side of the country to the other.

How will Carriers and Operators benefit from Vodafone East West Turkey Connect?

- Global carriers can better serve their enterprise customers in the Middle East.
- Middle East and Asian carriers can experience a shorter, more reliable terrestrial route to Europe.
- CIS carriers can take advantage of an alternative to their current route, providing redundancy.
- Middle East and Asian operators can more readily access European content and visa-versa.



■ Vodafone Operating Company
 ■ Vodafone Partner Presence and/or Operator Licence
 - Submarine cable network
 National & International terrestrial network
 ● Point of Presence (PoP)*
 ● Border connectivity points

Key features and benefits

Vodafone East West Turkey Connect is ideally positioned as a natural bridge between East and West, enabling connectivity between Europe, the Middle East and Asia.

Benefits	What it means for carriers and operators
High speed	Enables a shorter, direct terrestrial route with low latency and RTD (Round-Trip Delay).
Reliability	Terrestrial route with less hops, resulting in fewer points of failure and higher reliability
Capacity	Capacity to meet increasing demand is readily available without constraints now and in the future
Cost-effectiveness	Market leading cost base

International bandwidth usage in the Middle East increased at a compound annual rate of 43% between 2011 and 2015. (Telegeography Regional Analysis: Middle East 2016)

Why Vodafone Carrier Services?

- **Market position** – Vodafone is a leading wholesale provider of local access in Turkey, providing internet and leased line carrier services in the country since 2000.
- **Network investment** – our extensive fibre network enables a fast, reliable and cost-effective IP terrestrial route between East and West, with the capacity to meet your current and future requirements.
- **Extensive global connectivity** – our Global IP Backbone (AS1273) is connected to major internet backbones and content distribution networks, including our PoPs located in Istanbul, Oman and Dubai. It carries an average of 12 Tbps of customer traffic at any point in time with a total capacity of 28 Tbps. This makes us one of the Top 10 Tier 1 IP network providers worldwide
- **Innovation and expertise** – our IP backbone was one of the first to support IPv6 addressing, Distributed Denial of Service (DDoS) protection and multicast traffic.
- **Excellent service experience** – our customers benefit from sub 28-day delivery times and 24/7 incident management support. We proactively monitor our IP backbone for critical events and operate a stringent capacity planning procedure.

Next steps

To discover more about how Vodafone East West Turkey Connect can grow your business and extend your reach please contact your Account Manager or get in touch at: carrierservices@vodafone.com.

For more information, please visit: www.vodafone.com/business/carrier-services

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