Libyan fiber optic cable factory



Overview

LFON (Libyan Fiber Optic Network) is a domestic submarine cable network spanning approximately 1639 km and connecting 13 coastal locations in Libya.

Key Takeaways

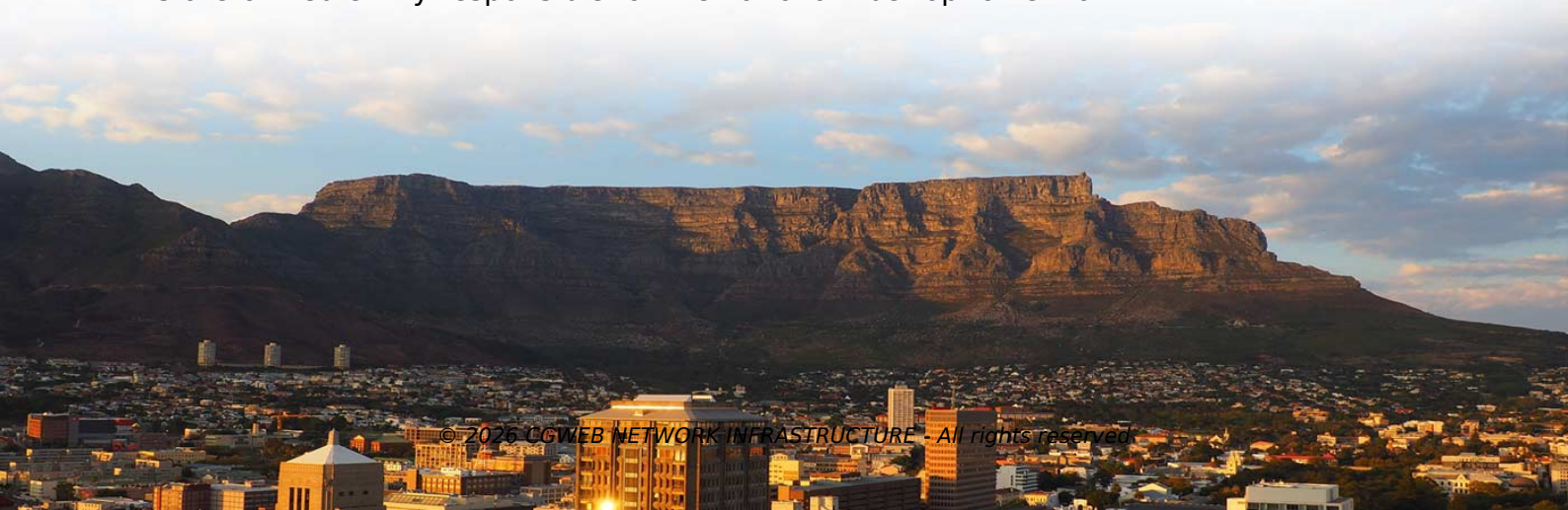
Libya's fiber optic infrastructure is supported by companies like TECO and LPTIC, which handle cable supply, installation, and network management, though large-scale domestic manufacturing is limited.

Key Companies and Capabilities

Technical Engineering Company (TECO), based in Benghazi, is a major player in Libya's fiber optic sector. Established in 2015, TECO specializes in electrical and mechanical engineering projects, including the supply and installation of fiber optic cables. The company has collaborated with international firms like Alcatel-Lucent and local telecom operators such as Madar and Connect, providing both project execution and supply chain services for fiber optic networks.

TEC

O also supports solar energy projects and plans to expand into low-voltage markets. Libyan Post, Telecommunications and Information Technology Company (LPTIC) is the state-owned entity responsible for the national fiber optic network.



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LPTI

C has implemented the Next Generation Broadband Network (NGBN), connecting cities and villages across Libya with over 12,000 km of fiber optic cables. This network underpins digital transformation initiatives, including e-government, e-health, and e-education services.

Domestic and Submarine Fiber Optic Networks

Libya operates the Libyan Fiber Optic Network (LFON), a domestic submarine cable system spanning 1,639 km and connecting 13 coastal locations.

LFO

N, operational since 1999, is owned by LPTIC and serves as a backbone for domestic communications. In addition, Libya has international submarine cables such as Silphium, connecting Darnah to Chania, Greece, which is owned by the Libyan International Telecom Company (LITC) and enhances international connectivity.

Manufacturing Status

While Libya has companies like TECO that supply and install fiber optic cables, there is no publicly documented large-scale domestic fiber optic cable manufacturing facility. Most fiber optic cables are likely imported and then deployed locally. TECO's role in the supply chain and project management indicates that Libya's fiber optic industry is currently focused on network construction and integration rather than full-scale cable production.

SummaryLibya's fiber optic sector is growing, with TECO and LPTIC leading domestic deployment and network management. The country has a robust domestic and international fiber optic infrastructure, including LFON and Silphium, but local manufacturing of fiber optic cables is limited, with most cables imported and installed by local engineering firms. This infrastructure supports Libya's digital transformation goals and connectivity expansion.

Article Content

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The company offers a wide range of services, including fiber optic network design, installation, and maintenance, as well as fiber optic cable testing and certification.

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