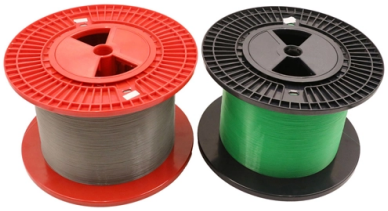
Libyan surveillance fiber optic cable company



Overview

TiFAN Telecom & Technology | Tripoli, LibyaTiFAN is Libya's leading telecom & IT infrastructure systems company since 2016. Specializing in FTTX fiber opti.

Key Takeaways

Libya's fiber optic infrastructure, including LFON and the Medusa subsea cable, is primarily state-owned and strategically positioned, making it capable of supporting national surveillance and data monitoring. Libyan Fiber Optic Network (LFON)The Libyan Fiber Optic Network (LFON) is an unrepeatered submarine cable system operational since 1999, connecting 13 landing stations along the Libyan coast. It is privately owned by the Libyan Post Telecommunications and Information Technology Company (LPTIC Holding), which also controls major telecom operators such as Libyana, Al-Madar, and Libya Telecom and Technology (LITC).

LFO

N provides Libya with domestic and international connectivity, and its centralized ownership allows the state to potentially monitor or control data traffic passing through these cables.

Medusa Subsea Cable Integration



© 2026 CGWEB NETWORK INFRASTRUCTURE - All rights reserved

Libya has recently integrated into the Medusa subsea cable system, an 8,700 km fiber optic network connecting 11 Mediterranean countries, including Morocco, Spain, France, Algeria, Tunisia, Italy, Greece, Cyprus, and Egypt. The Medusa cable lands in Tripoli and Benghazi, with a design capacity of 20 Tbps per fiber pair across 24 pairs. This integration diversifies Libya's international data routes, reduces congestion on LFON, and enhances connectivity to Europe and North Africa.

The landing stations are managed by the Libyan United International Company for Telecommunication and Technology (LUIC), a subsidiary of LPTIC.

Surveillance and Strategic Implications

Given that LFON and Medusa landing stations are controlled by state-owned entities, the Libyan government has the technical capability to monitor, filter, or intercept data traffic for national security purposes. Centralized control over both domestic and international fiber optic routes allows for: Traffic inspection and monitoring of internet and telecommunications data. Control over international connectivity, including routing and bandwidth allocation.

Potential interception of cross-border communications, given the landing points in Tripoli and Benghazi. The combination of LFON's domestic reach and Medusa's international links provides Libya with a robust infrastructure that could support both economic development and state surveillance objectives. ConclusionLibya's fiber optic networks, particularly LFON and the Medusa subsea cable, are state-controlled and strategically positioned, giving the government significant oversight over domestic and international data flows.

While primarily designed to improve connectivity and economic integration, these networks inherently provide the technical means for surveillance and monitoring of communications within and across Libya's borders.

Article Content

TiFAN Telecom & Technology | Tripoli, Libya

TiFAN is Libya''s leading telecom & IT infrastructure systems company since 2016. Specializing in FTTX fiber optics, structured cabling, CCTV, smart buildings, data centers, access control, and fire

Fiber Optic – AFAQ ICT | Information Communication Technology

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.

Technology Leaders Telecom Company (TLT) – specializes in

© 2026 CGWEB NETWORK INFRASTRUCTURE - All rights reserved

We deliver comprehensive solutions that connect communities, power businesses, and drive national progress. From telecom tower construction to advanced fiber optic networks, from surveillance

Home Page

We provide projects support and services to many international companies. TGS is committed to the growth and retention of loyal partners while enhancing our position as the preferred choice.

Services – Technology Leaders Telecom Company (TLT)

Technology Leaders Telecom Company (TLT) specializes in implementing telecommunication networks and technology projects across Libya. Based in Sebha, we deliver solutions that meet the highest

ATC LIBYA – Advanced technology construction

With a globalized and environmental degradation world, we are proud to be a Libyan company having the potential and confidence in our abilities to conduct and provide a qualitative

Libya National Fiber Network Build

In strategic partnership with the General Electricity Company of Libya (GECOL), Global Technology Company is deploying a 14,000 km nationwide optical fiber backbone to power the next decade of

Libya Fibre Optic Cables Market (2025-2031) | Companies & Share

6Wresearch actively monitors the Libya Fibre Optic Cables Market and publishes its comprehensive annual report, highlighting emerging trends, growth drivers, revenue analysis, and forecast outlook.

Cetel – Telecom & Technology

Satellite VSAT networks in Cetel Company we provide full installa- tion and alignments to vast resources and service tuning operation monitoring and interventions all over Libya.

Submarine Cable Map

TeleGeography''s comprehensive and regularly updated interactive map of the world''s major submarine cable systems and landing stations.

Libyan fibre deployments aid modernisation | Lightwave Online

When it lands in Libya, the EIG will provide the country with its second international undersea fibre-optic link. Libya is currently connected to Sicily via a fibre-optic cable supplied by Pirelli ...

© 2026 CGWEB NETWORK INFRASTRUCTURE - All rights reserved

Libya''s Optical Fibers, Bundles and Cables Market Report 2026

Libya - Optical Fibers, Bundles and Cables - Market Analysis, Forecast, Size, Trends and Insights Ends in 2d 23h 59m $2,000 $4,000 -50% promo · auto-applied at checkout

Prysmian to Supply Optical Cable to Libya

Prysmian Cables & Systems, based in Milan, Italy, has secured a contract to supply 6300 km of fiber optic cable to Libya. The cable will form the backbone of the new telecommunications network of the

Fiber Optic – AFAQ ICT | Information Communication Technology

Afaq ICT provider telecom Libya, with a strong focus on fiber optic technology. The company offers a wide range of services, including fiber optic network design, installation, and maintenance, as well as

Libya''s Digital Leap Forward with Medusa Cable

Libya has formally integrated into the Medusa subsea cable system, marking a pivotal advancement in its telecommunications infrastructure. This

Silphium

Silphium is the third Libyan international submarine cable system, in addition to Europe India Gateway (EIG) and Italy-Libya. There is also a domestic submarine cable system in Libyan, the Libyan Fiber

LFON (1639 km, 1999 RFS | Libyan Fiber Optic Network)

About the LFON (Libyan Fiber Optic Network) Cable System Overview LFON (Libyan Fiber Optic Network) is a domestic submarine cable network spanning approximately 1639 km and connecting

Libyan Fiber Optic Network (LFON) submarine cable system

Description Libyan Fiber Optic Network (LFON) is a unrepeatered submarine cable system that is connected to 13 cable landing stations. It is operational since 1999 and privately

© 2026 CGWEB NETWORK INFRASTRUCTURE - All rights reserved

Contact Us

Continue your research online:

Website: https://cgweb.co.za
Technical inquiry: https://cgweb.co.za/project-enquiry.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 CGWEB NETWORK INFRASTRUCTURE - All rights reserved