



Adam Tas Corridor Energy

Bulgaria Fiber Optic Cable Upgrade Project





Overview

Laying works were completed in July 2008 by the American cable ship CS Tyco Decisive, just a couple of weeks prior to the South Ossetia War. The submarine cable was manufactured and laid by and consists of two fiber pairs each carrying 96 wavelengths with a bandwidth of 100 Gbit/s providing a total bandwidth of 12. Bulgaria has officially joined the implementation of Kardesa, a large-scale project for an underwater optical cable across the Black Sea that will connect Europe with the Caspian region and Asia. The 100 million euro investment has been secured by telecommunications giant Vodafone. The optical fibers will be connected on land at Aheloy, after which the existing infrastructure of Bulgartransgaz will be used. An official event organized by the British Embassy in Bulgaria marked the official launch of one of the most significant technological projects in the region - the construction of 7,000 kilometers of fiber optic networks across Bulgaria were signed on Tuesday, marking a major step forward in the country's digital transformation. Nearly 400,000 Bulgarians and 140 municipalities in remote areas where connectivity is not well developed will have access to high-speed internet at 1 Gbps over a fibre-optic network and will be covered by a 5G mobile network.



Bulgaria Fiber Optic Cable Upgrade Project



Bulgaria's Rail Upgrade: Alstom Coradia Stream EMUs

The project represents not only a technological upgrade but also a strategic partnership between Alstom and Bulgaria, aligning with broader

Home []

EVO.bg has built over 1000 kilometers of fibre optic cable across Bulgaria and has pioneered industry-changing technologies along the way. Since our first project in 2003, we have been committed to



Bulgaria joins mega project for underwater cable across

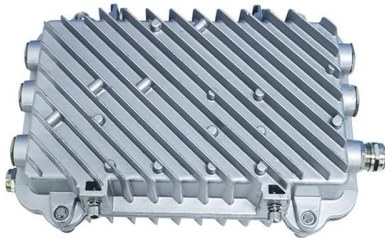
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Caucasus Cable System

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couple of weeks prior to the South Ossetia War. The submarine cable was manufactured and laid by TE Connectivity and consists of two fiber pairs each carrying 96 wavelengths with a bandwidth of 100 Gbit/s providing a total bandwidth of 12.8 Tbit/s (originally 64×10 Gbit/s and a total of 1.2 Tbit/s). In 2011 an upgrade implemented by TE Connectivity enabled the addition of further wavelengths.



General information about C7.I1 Large-scale deployment

As indicated in the Connected Bulgaria - Updated National Broadband Infrastructure Plan for Next Generation Access, there are many regions that are not connected

ComstroyGroup

Installation and measurement of Optical line direction Stara Zagora - Haskovo 96 fibers for Mtel 65 km November 18, 2015 Sofia South Ring Mall - building fiber



Bulgaria to build 7,000 km fiber optic networks in poorly connected

The project aims to improve digital connectivity in 140 municipalities currently facing poor or nonexistent internet access. The construction is expected to be completed in over a year.



Vodafone is building a new Black Sea cable to link

First look: Vodafone Group and its Ukrainian subsidiary are building a new submarine cable across the Black Sea to connect Europe and Asia while



An updated National Broadband Infrastructure Plan for Next

By Decision No 555 and Decision No 556 of the Council of Ministers of 6 August 2020, an updated National Broadband Infrastructure Plan for Next Generation Access "Connected Bulgaria"

Digital connectivity in Bulgaria

The National Development Programme Bulgaria 2030 introduced "Priority 8 Digital connectivity" aiming at building a modern and secure digital infrastructure as a basis for offering more digital services.



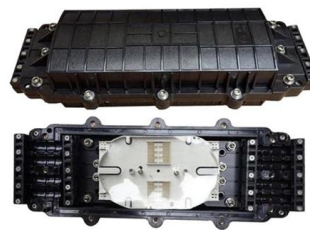
Plovdiv-Burgas Railway Line Phase Two Rehabilitation Project, Bulgaria

A train communication device global system for mobile communications-railway (GSM-R) and fibre optic cable will be installed. The project also includes the construction of overpasses and



Fiber optics

Fiber optics. System Integration in Eastern Europe. Leading IT/Telecom system integrator in Bulgaria, focusing on design, delivery and implementation of intelligent transport systems, cyber and physical

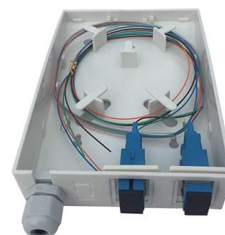


USTDA Supports Increased Internet Connectivity in

The USTDA-funded feasibility study will include design, engineering and planning to support the replacement and expansion of existing cables across

Fiber Optics

"Fiber Optics Bulgaria" or FOBUL, is a company providing services for network service providers and alternative telecom operators. Fobul owns and operates a fiber-optic backbone to serve major





400 000 more Bulgarians in remote areas will have access to high

Nearly 400,000 Bulgarians and 140 municipalities in remote areas where connectivity is not well developed will have access to high-speed internet at 1 Gbps over a fibre-optic network and will be

Bulgaria joins mega project for underwater cable across

It will build and operate the digital infrastructure in the Aheloy area, as well as two independent optical routes to Sofia. The role of Bulgartransgaz, a



Neterra Invests EUR12 Million in Next-Generation Data

Neterra is launching a large-scale modernization of its Bulgarian backbone network. The company will invest EUR12 million, utilizing technological



Caucasus Online and SubCom to upgrade Caucasus undersea fiber-optic

In operation since the end of 2008, the Caucasus Cable System has successfully served Georgian markets by providing direct access to Western Europe via an undersea fiber-optic link.



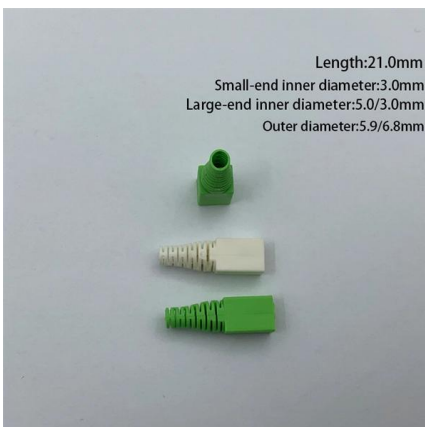
Network

CETIN Bulgaria also runs its own Fiber Optic infrastructure with 2 optical rings across Bulgaria, ensuring reliable protection between all PoPs. In Sofia, after the acquisition of Sofia Communications (2021)



Bulgaria's Transport Connectivity Programme adopted

EC adopted the Transport Connectivity Programme, the first Bulgarian major infrastructure programme for the period 2021-2027.



Novatel to Connect Bulgaria to Asia via Kardesa

Novatel, a leading Bulgarian ICT infrastructure company and part of Deutsche Telekom Group, has been selected to construct and operate Bulgaria's



Fiber optic cables

Discover high-performance fiber optic cables from Cimler - engineered for speed, durability, and reliable data transmission in any network

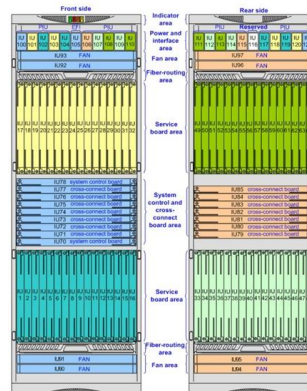


Caucasus Cable System

The project involved further investments for terrestrial fibre optic infrastructure from and to the landing stations worth \$22 million. On the Bulgarian side a fibre optic link to Varna was built while on the

Telecom group to build new \$116m undersea cable in

The Vodafone Group and Vodafone Ukraine are set to work together in building a new undersea cable in the Black Sea that will connect Europe and



5G Corridor project- 5G Balkans

The project includes 25 km fiber optic upgrade along Sofia's inner-city roads, 110 km new fiber optic coverage from Sofia to Dimitrovgrad and fiber coverage to the existing 15 base stations in Bulgaria



Telecom group to build new \$116m undersea cable in

At the moment, the Submarine Cable Map only shows a single undersea cable crossing the entirety of the Black Sea, connecting Georgia to



Underwater optical cable across the Black Sea turns

Bulgaria has officially joined the implementation of Kardesa, a large-scale project for an underwater optical cable across the Black Sea that will

News

News from the connectivity and digital infrastructure sectors, including telecoms, data centres, tower and wireless, subsea and more.





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