



ATU

ALBANIAN TELECOMMUNICATIONS UNION

meeting
the future

about us

Meeting the future

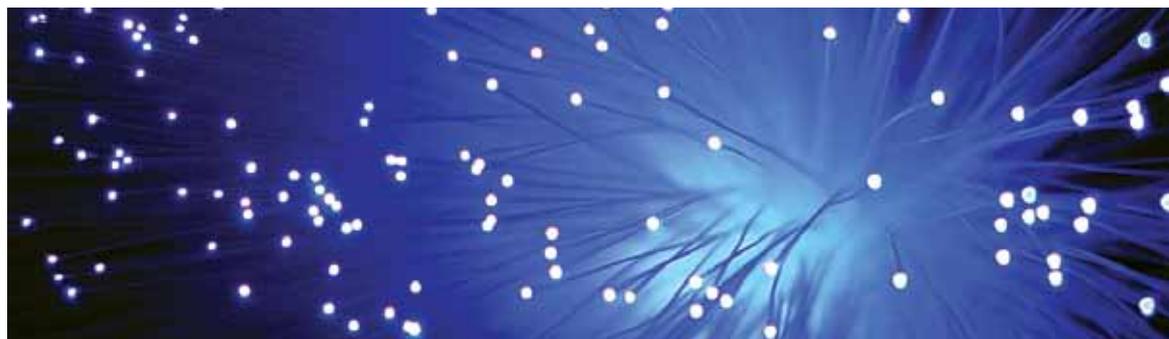
Established in September 2010, Albanian Telecommunications Union (ATU) is constructing its own, 750 km long, fiber optic network on the Albanian national highways, operating under a license granted by the Albanian Government.

The core business of the company is wholesale capacity provision, for data and internet within Albania and also for international transit. By interconnecting all the large cities of the country, as well as through the border points of all the neighboring countries, ATU can provide services to local and international markets while managing the growing volume of telecommunications data traffic from and to Albania.

Through a reliable fibre optic network, DWDM transmission technology, qualified and well trained personnel, ATU aims to satisfy all possible requirements of its customers for connectivity between major cities in the territory of Albania and to international destinations through its global partners.

ATU, offering a new level of services in the Albanian market, has as main priority customer care while applying the latest technological innovations in its network construction, operation and deployment. The company has a dynamic structure, primarily focused to pay attention to domestic and international customers, both regarding the quality of the services offered and the competitive prices applied.

ATU is establishing a new era in national and international data transmission for the country with a clear mission to position Albania as the main centre of Information Technology and Telecommunications in the region.



operational excellence

Network Coverage

Our network connects 20 major cities in Albania and provides international transit capacity as well, at every border point of all neighboring countries. Respectively: Kosovo, Macedonia (Qafe Thane and Tushemisht), Montenegro (Murriqan and Hani Hotit) and Greece (Kakavije and Kapshtice).

The network map shows the fiber optic route and the Points of Presence (PoPs), which are installed in all the major cities of Albania. Each PoP will serve as a mini data center in order to house ATU and customers' telecom and mission critical IT equipment, enabling thus each customer to create a main PoP for delivering service to each city of interest.

The deployment of the fiber optic network is performed by usage of the mini trenching method for the construction of the infrastructure, and the fiber blowing method for the installation of the fiber optic cable.



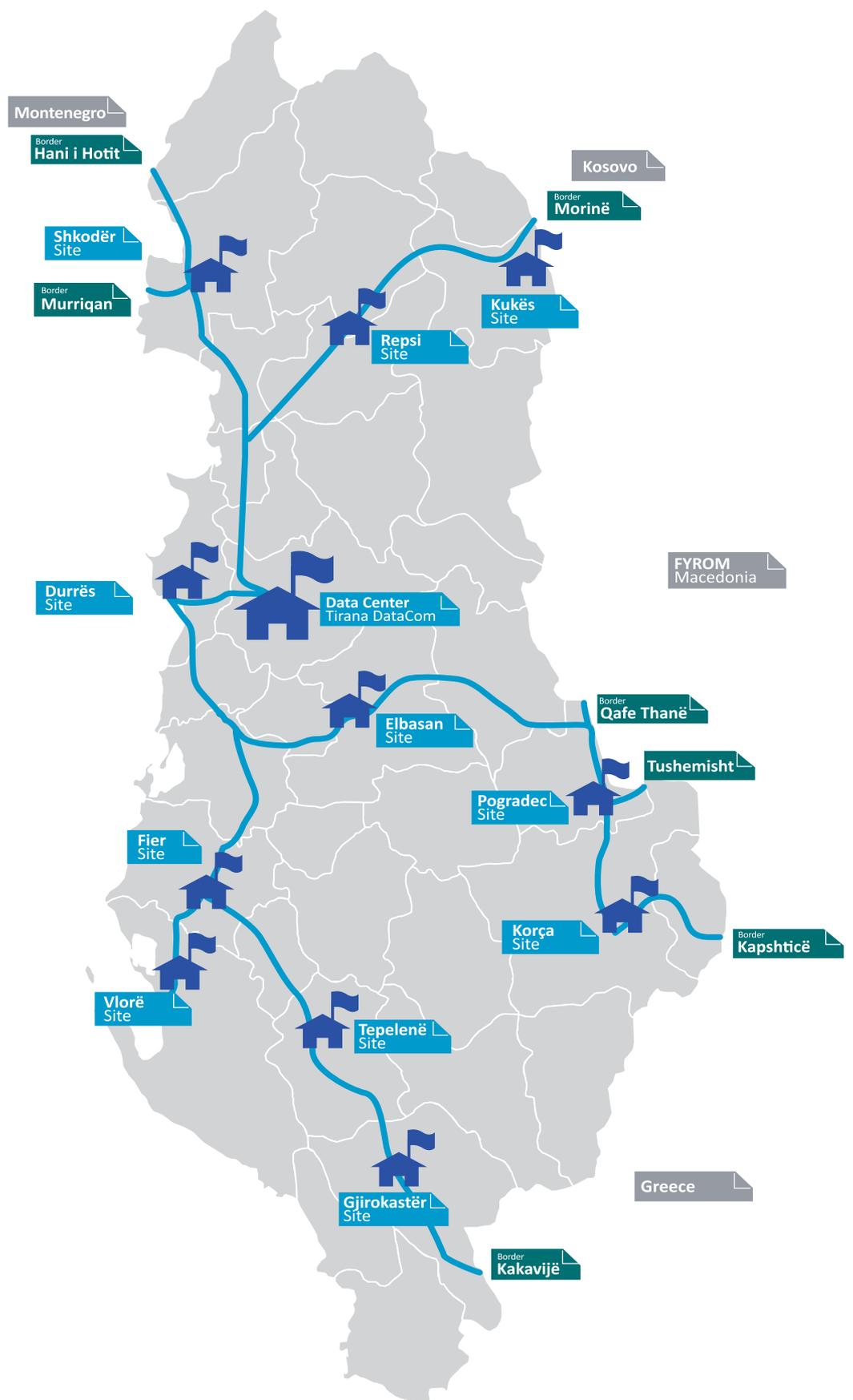
Network Operation Center (NOC)

ATU has deployed an optical fibre network that facilitates all data communications in Albania. In order to offer to our customers the most efficient services, we have established strong collaboration agreements with various vendors, such as OFS for the fiber optic cable, Huawei for the DWDM transmission technology and Cisco for Direct Internet Access routing and distribution.

Usage of the Network Management System (NMS) offers a high security level when it comes to alerting of faults, working fault management procedures and implementation of quick and effective response in case a fault in service operation occurs.

The operational activity is monitored and managed by our Network Operations Center (NOC) in Kashar, Tirana. To ensure its optimum performance, immediate response and attention to any network or service problem that might occur, customer service teams operate on a 24/7 basis.

our network



Network statistics

- ▶ 750 Km of fibre
- ▶ PoPs in 12 cities with active equipment. Namely: Tirana (Kashar), Durrës, Elbasan, Pogradec, Korçë, Shkodër, Reps, Kukës, Fier, Vlorë, Tepelenë, Gjirokastër.
- ▶ 20 cities with capability of direct connectivity to our network. Namely: Tirana, Durrës, Kavaja, Rrogozhinë, Peqin, Elbasan, Librazhd, Pogradec, Korçë, Krujë, Laç, Lezhë, Shkodër, Mirditë, Kukës, Lushnje, Fier, Vlorë, Tepelenë and Gjirokastër
- ▶ 4 bordering countries. Namely: Montenegro, Kosovo, Macedonia/FYROM and Greece

connecting you to the world

ATU Product portfolio

We offer our wholesale customers a broad portfolio of services based on our state-of-the-art network, meeting the following commercial agreements:

Leased lines Point-to-Point

ATU, through its DWDM transmission network, provides transparent leased lines at their protocol of origin. This includes SDH and Ethernet technology. Each leased line is provisioned point to point. This way, our customers can have a reliable connection knowing that their data will be transported without the need to make any protocol conversion.

Direct Internet Access - IP Transit Services

The quality of an IP service is only as good as the network upon which it rides. Finally, with ATU's state of the art network, Albania can now have the internet it deserves at the highest quality available, with competitive prices. Service Providers and ISPs can now obtain internet capacities to satisfy their customers.

Dark Fiber based on IRU agreement

ATU's Dark Fiber Services are designed to put a customer in full control of their network. Dark Fiber provides flexibility of choice for the service platforms that a customer may wish to deploy. Our clients are safe in the knowledge that expansion and full control lay firmly in their own hands.

Capacity based on IRU agreement

As a wholesale carrier operator ATU can also provide other forms of services for its customers. One of these is the aggregate capacity that allows the customers operating in a dynamic market environment to manage and adjust their bandwidth in any part of their network. ATU can realize this according to their specific demands, without having fixed bandwidths and locations that restrict their business from responding to true network demands.



Long term Leased Lines Point-to-Point

Long terms leased point to point service is yet another option for customers who know their long term business plans and can now have the required capacity for the period of time that will cater for the business that is foreseen. By providing this service, our customers will not have to spend their time requesting the capacity to be constantly adjusted, along with time consuming invoices that can eventually distract from core business issues.

All services rendered are transported over DWDM (Dense Wavelength Division Multiplexing) technology allowing for data transmission in very high capacities.

The aforementioned services include capacities that range from STM-1/4/16/64 on SDH technology, and from 10Mbps /100Mbps /1000Mbps /10 Gbps on Ethernet technology, according to customer requirements.

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