Quantcom

About Quantcom

Quantcom is a nationwide telecommunications operator. It has been active in the telecommunications market under the name Dial Telecom for almost 25 years. During this time, the company has built – and is further developing – a robust backbone optical network that connects the Czech Republic with other countries. Quantcom provides voice, data, internet and hosting services with guaranteed quality, primarily through its own optical infrastructure.

The network, which is continuously monitored from Quantcom's own monitoring center, is connected to all major international exchanges and includes hundreds of direct connections to the largest providers of information and search services, as well as to global operators.

Quantcom operates extensive metropolitan optical networks in Prague and Brno, and smaller networks in Ostrava, Pilsen and Hradec Králové. The company has connected more than 4,000 buildings, including a significant number of both existing and newly constructed business centers, as well as separate branches in industrial zones, corporate facilities, government institutions, and schools.

Company key history milestones

- **2024** The upgrade of the Quantcom long-distance fiber network with a lenght of 350 km.
- **2023** The merger of Telemetry Services, s. r. o. and SOFTLINK, s. r. o. The successor company is SOFTLINK, s. r. o.
- **2022** The establishment of a new brand and the change of the company name to Quantcom, a. s. Strategic focus of the comany on the B2B and Wholesale.
  The acquisition of SOFTLINK, s. r. o.
- **2019** Massive investments in metropolitan optical networks in Prague and Brno.
- **2018** The acquisition of Matrigo.
- **2016** The acquisition of Pe3ny net.
- **2015–2016** A strategic share in ČD Telematika.
- **2013** The merger of Dial Telecom and MAXPROGRES Telco. The establishment of a daughter company Telemetry Services by purchasing Nowire.
- **2012** The establishment of ET Telekomunikace by purchasing a part of ETT ENERGETIKA and IMMOENERGETIKA enterprises.
- **2011** The establishment of a sister company named Fiber Services. The purchase of a 100% share of MobilKom and STAR 21 Networks.
- **2010** The purchase of a division of the wholesale of telecommunications services Master Internet. The merger with a branch enterprise of VOLNÝ.
- **2008** The purchase of a 100% share in Telekom Austria Czech Republic as well as in eTel Slovakia.
- **2007** The merger with net4net (TransgasNet, a former daughter company of Transgas).
- **2005** The acquisition of InWay, a. s.
- **2000** The establishment of Dial Telecom, s. r. o. The beginning of building the metropolitan, national and international networks in the Czech Republic and in Slovakia.

Quantcom a. s.
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Quantcom is directly connected to the Czech peering exchange NIX.CZ and is also a member of several leading international peering centers, including:

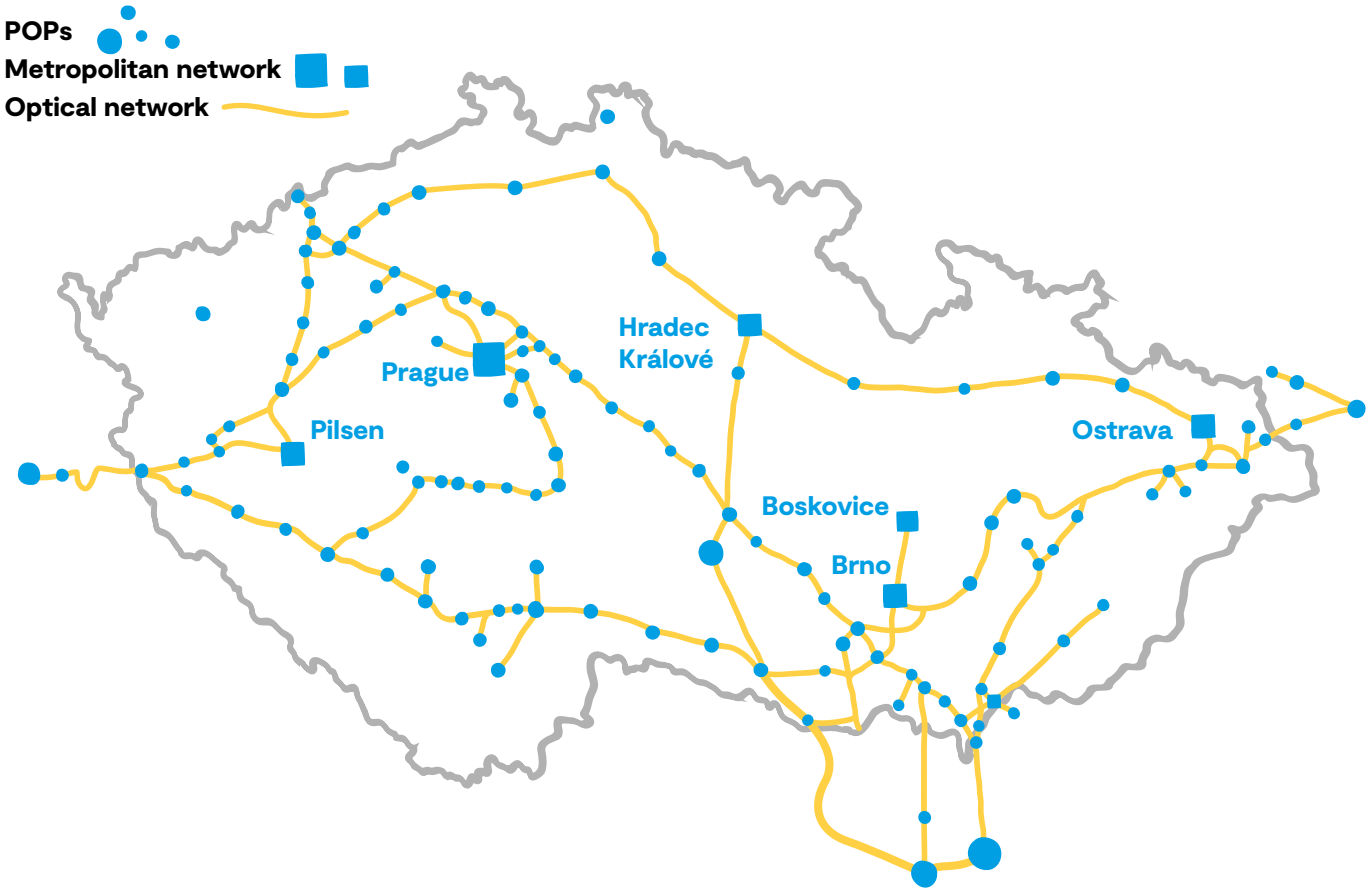
- **DE-CIX** (Germany)
- **AMS-IX** (Netherlands)
- **VIX** (Austria)
- **SIX** (Slovakia)
- **NIX** (Slovakia)

For access to international exchanges, Quantcom uses its own optical networks with a minimum number of active elements along the entire route. This allows the company to offer exceptionally low latency and minimal latency variation on routes to the world's most important exchanges. For instance, the latency on the Prague–Frankfurt route via Quantcom's network is just 3.3 ms. Even regular end users with international connectivity from Quantcom benefit from noticeably faster response times when using the internet.

Quantcom is a member of the Fenix Project, which is focused on strengthening network security. Since its founding in 2000, the company has completed a number of successful acquisitions. Today, Quantcom ranks as the fourth largest operator in the Czech Republic and holds a strong and stable position on the international telecommunications market as well.

National network

The national network is built in a topology of several overlapping circles with several hundreds of access points with the presence in all regional towns and in most smaller towns (or in their vicinity). Technologically, the optical networks are equipped with the DWDM system enabling the efficient use of capacities, typical transmission speed of n x 400 Gbps while keeping low latency, which is important particularly for transit and backbone capacities.



International network

The international, national and metropolitan networks of Quantcom are built on the infrastructure of the company's own optical cables and fibers, combined with leased optical routes. In addition to terrestrial optical networks, Quantcom also operates an extensive radio network across the Czech Republic, consisting of hundreds of transmission points. This wireless infrastructure complements the coverage in areas where a direct optical connection is not available.

Key international exchange points – Frankfurt, Vienna, Bratislava, Prague and Krakow – are interconnected in a circular topology with multiple 100 Gbps-capacity links, including branches to major global peering centers. This architecture ensures excellent availability of internet resources and, in cooperation with global operators, enables Quantcom to provide guaranteed data service capacities.

LATENCY

- Frankfurt – Vienna 5.8 ms
- Frankfurt – Prague 3.3 ms
- Frankfurt – Kraków 6.5 ms
- Frankfurt – Bratislava 5.9 ms
- Frankfurt – Katowice 7.3 ms
- Prague – Vienna 2.6 ms
- Prague – Bratislava 2.2 ms
- Prague – Kraków 4.0 ms
- Vienna – Bratislava 0.6 ms

Product porfolio

INTERNET

- **Internet Profi** – a complex service for company connection to the Internet with a guaranteed symmetrical speed
- **Internet Transit** – an Internet connection service for operators, ISP and large companies

DATA

- **SD-WAN** – a data connection of two or more points into a virtual private network
- **Ethernet Line** – a data connection of two points by a dedicated circuit with a fixed transmission speed of 2 Mbps up to 10 and 400 Gbps
- **Lambda** – a data connection of two points with a predefined course and a typical capacity 10, 100 and 400 Gbps
- **Cloud Connect** – a direct secured connection to the largest cloud services: AWS (Amazon), Google, Azure Microsoft, IBM, Alibaba, Oracle, and others

SECURITY

- **Firewall** – securing Internet communication of the customer, its users, server, LAN network
- **Anti DDoS** – protecting the customer from Internet attacks
- **Backup** – a backup line to the Internet or SD-WAN service

INFRASTRUCTURE

- **Dark Fiber** – lease of dark fibers in the backbone and metropolitan network terminated on optical connectors in the optical distribution box
- **Building Net** – comprehensive construction and management of data networks in office buildings
- **Housing** – placing your technology in our network
- **Duct** – lease of HDPE ducts in the backbone network
- **Micro Duct** – lease of a micro duct

CLOUD

- **Cloud Compute** – a guaranteed infrastructure in the form of a service for the operation of your applications
- **Private Cloud** – a dedicated infrastructure in the form of a service with high availability
- **DevOps a Kubernetes** – tools and consultations for the DevOps strategy using Kubernetes technologies
- **S3 Storage** – a modern data storage with geographical redundancy

VOICE

- **Phone** – a basic Internet telephone service – an IP telephone in the fixed network
- **Virtual PBX** – an extended Internet telephone service – a virtual exchange
- **Trunk** – a connection of the customer's virtual telephone exchange
- **800 numbers** – a single telephone number for zero or a discounted price for your customers
- **900 numbers** – numbers intended for the operation of paid information, entertainment or erotic services for both Czech and Slovak market
- **International numbers** – international numbers routed to the Czech Republic from more than 110 countries around the world (for one or more telephone numbers)

Interesting facts

4 000+ buildings connected to the metropolitan optical network
5 500+ active devices in our own network
30 000+ active ports
900+ radio connections in our own backbone infrastructure – in the last mile sections with unavailable fiber optical network
3.3 ms which is unrivalled lowest latency in our optical network on the Prague–Frankfurt route
3 out of 4 largest technology companies on NASDAQ use Quantcom's infrastructure
9 out of 10 customers are connected through our own optical infrastructure

The quality of services is essential for us, which is why we are the holders of:
ISO 9001:2009 Quality Management,
ISO 14001:2005 Environmental Management,
ISO 27001:2006 Information Security Management, i.e. protection of sensitive information from unauthorized access,
ISO 45001:2018 Occupational Health and Safety Management.