TTC TELEPORT

We are changing the world of Data Centers

Data Center – DC1

Tiskařská 10, 108 00 Prague 10 – Malešice

Location

- useful floor area of the building: 10,000 m^2, office space rental possible
- floor area of customer data rooms: 1,450 m^2
- in a light-industrial zone in Malešice, no-fly zone, no seismic activity, without flood risk
- easily accessible by public transport
- easily accessible by passenger cars and trucks
- parking space on site
- freight lifts with the maximum 500 kg load capacity

Data Halls

- 6 data halls
- standard cabinets and racks
- raised floor with a maximum load capacity of 750 kg/m^2
- raised floor height 50 cm

Electric power supply

- two dedicated MV cables 22 kV from two different HV substations
- 22 kV switching substation on TTC premises, switching in case of feed outage
- maximum input power of 10 MW
- 3 transformers in 2+1 configuration, 1 250 kVA/each
- 4 diesel generators in N+1 configuration, combined output 5.4 MVA
- diesel generators start providing power within 55 seconds after a grid outage
- 4 independent LV substations
- static UPS sources, N+1 configuration,
- at least 10 minutes backup time
- independent power feeds can be installed in each cabinet

Cooling

- independent cooling for each data room in N+1 configuration
- room cooling units use direct evaporation or a water cooling system with free cooling
- critical non-IT technologies are powered by an independent UPS
- temperature and humidity control pursuant to ASHRAE TC 9.9 – 2011 Thermal Guideline for Data Processing Environments
- central air cooling through raised floor, or closed cold aisle with in-row cooling units
- prevalent cooling power up to 8 kW per rack

Security

- fenced facility
- perimeter is secured with infra barriers
- security agency personnel present 24/7
- Data Center premises are separated from the office building
- Data Center technology is located outside data rooms
- Fire Detection System with independent controllers
- fixed Fire Suppression System using inert agent FM-200 or Novec 1230
- fire-resistant door and inner walls, certified firestop cable and pipeline penetration systems
- Electronic Access Control System
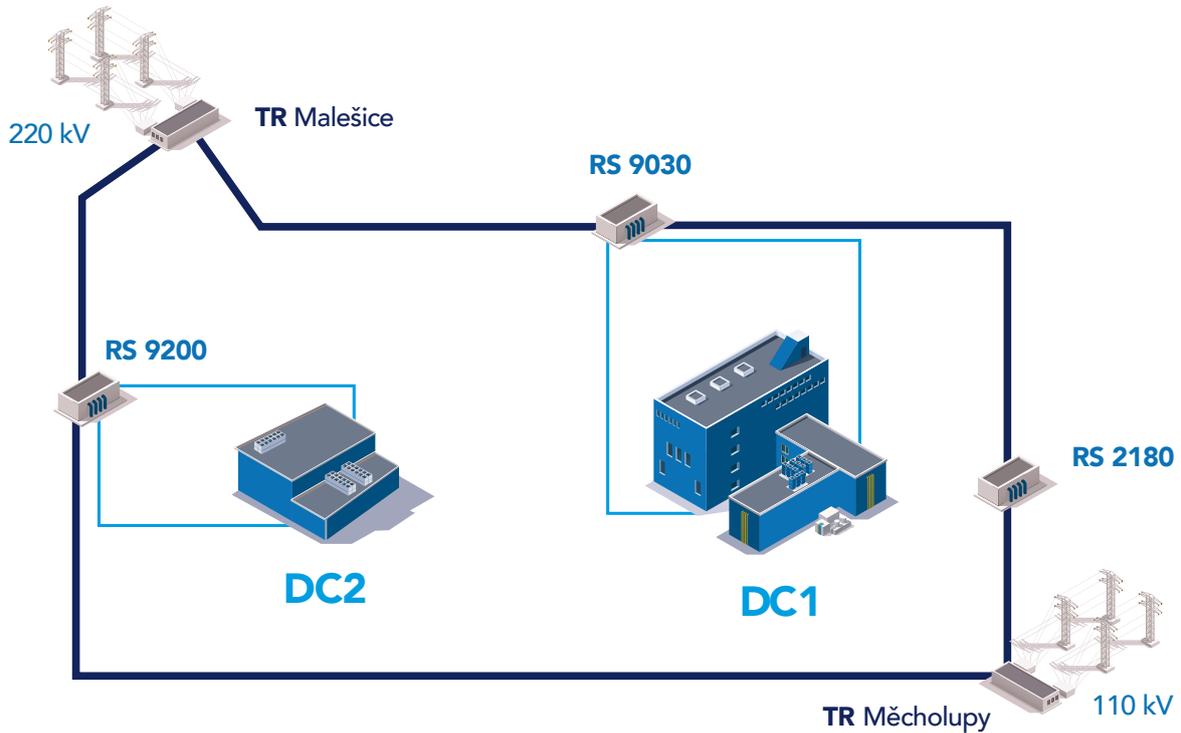- record-keeping CCTV system

Monitoring

- 24/7 in-house highly qualified engineer
- 24/7 customer support
- Data Center infrastructure monitoring system (DCIM) with online customer access
- liquid leakage detection
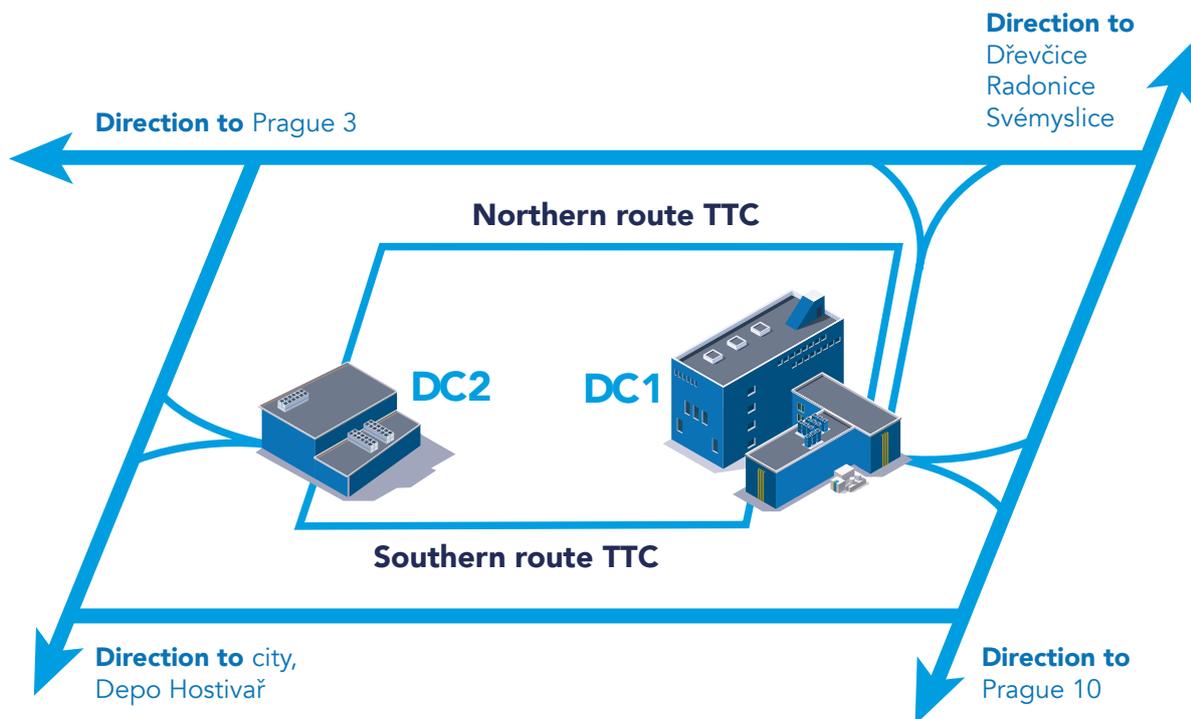- security sensors

Connectivity

- rapid fiber optic cable deployment
- Data Center features three independent and physically separated cable routes
- 3 optical cable rooms allowing interconnection and/or transition to indoor fiber cables
- antenna poles at the height of 30 m above the terrain
- Data Center is connected to optical routes of all carriers operating in Prague
- redundant optical routes between DC1 and DC2

ELECTRICITY NETWORK 22 kV

220 kV — **TR** Malešice

RS 9030

RS 9200

RS 2180

DC2

DC1

TR Měcholupy — 110 kV

- Both TTC DC1 and TTC DC2 Data Centers are connected with two independent 22 kV feeds from 2 geo-redundant high-voltage distribution substations Malešice and Měcholupy.
- Switching substations facilitate the transfer between incoming feeds from high-voltage distribution substations. Furthermore, the RS 9200 is equipped with automatic transfer switching (ATS).

FIBER OPTIC ROUTES

Direction to Dřevčice Radonice Svémyslice

Direction to Prague 3

Northern route TTC

DC2

DC1

Southern route TTC

Direction to city, Depo Hostivař

Direction to Prague 10

- Both TTC DC1 and TTC DC2 offer direct connectivity to the optical routes of every carrier that operates their dedicated optical network in Prague.
- TTC Teleport also operates its own inter-DC optical routes, where optical fibers can be leased, and entire HDPE ducts can be rented or purchased.

Data Center – DC2

Sazečská 10, 108 00 Prague – Malešice

Location

- floor area: 8,000 m², office space rental possible
- data room floor area: 4,000 m²
- in a light-industrial zone in Malešice, no-fly zone, no seismic activity, without flood risk
- easily accessible by public transport
- easily accessible by passenger cars and trucks
- parking space on site
- freight lift with the maximum 2,700 kg load capacity

Data rooms

- 34 customer data rooms
- no data room wall forms an external wall of the building
- data and technology rooms are separated from the offices in the building
- the walls and doors of the data rooms are RC3 certified according to EN 1627-1630
- possibility of installing cabinet type/manufacturer upon the customer request
- closed hot/cold aisle
- maximum load of the raised floor 1,000 kg per cabinet, raised floor height 100 cm
- cable trays above cabinets

Electric power supply

- two dedicated MV cables 22 kV from two different HV substations
- in the event of a failure, automatic transfer to a backup 22 kV power feed within 5 seconds
- maximum input power of 10 MW
- medium voltage substation in the facility
- 8 + 1 dry transformers, 1,600 kVA each
- 8 + 1 diesel generators, 1,650 kVA each
- 8 + 1 independent power blocks with an output of 1 MW each, 9 MW in total
- each block contains all the features recommended by TIER III certification
- each block incorporates dual independent sub-circuits, allowing for in-service maintenance
- each power block contains UPS sources
- critical non-IT technologies are powered by an independent UPS
- Data Center technology is powered by at least two electrical feeds
- we offer to power the customer technology in TIER IV [System (N+1) + System (N+1)]
- central diesel tank containing 50,000 l of diesel with redundant pipelines to the generators

Cooling

- 8+1 independent blocks of cooling sources
- chiller and dry cooler in each block
- free cooling mode
- backup coolant tanks
- redundant coolant water/glycol pipeline, redundant pumps
- redundant in-row cooling units in customer rooms
- prevalent cooling power up to 15 kW per rack
- possibility of adjusting the temperature of the cold aisle in each room
- temperature and humidity control pursuant to ASHRAE TC 9.9 – 2011 Thermal Guideline for Data Processing Environments

Security

- fenced facility secured with a barrier at the entrance
- perimeter secured with infrared barriers
- security agency personnel present 24/7
- access provided through a 24/7 staffed reception equipped with a secure anti-tailgating turnstile Gunnebo
- CCTV system with 30-day retention period
- electronic fire alarm system
- VESDA Aspirating Smoke Detectors
- Fixed Fire Suppression System with FK-5-1-12 agent (Novec 1230)
- fire-resistant doors and inner walls, certified firestop cable and pipeline penetration systems, fire resistance up to 90 minutes
- Electronic Access Control System

Monitoring

- 24/7 in-house highly qualified engineer
- 24/7 customer support
- Data Center infrastructure monitoring system (DCIM) with online customer access
- liquid leakage detection
- security sensors

Connectivity

- rapid fiber optic cable deployment
- two cable rooms for optical cable duct termination
- two meet-me rooms
- redundant optical routes inside and outside the Data Center
- redundant optical connection between DC1 and DC2

SERVICES

Rackhousing

TTC TELEPORT provides comprehensive colocation services, offering flexible options from individual racks to private cages and dedicated data rooms within our purpose-built, state-of-the-art Data Center. You will benefit from our secure infrastructure and scalable solutions tailored to meet your specific technological requirements. Our core colocation service provides highly secured rack space, fully backed-up power and cooling infrastructure, alongside continuous 24/7 environment monitoring. Our Data Centers are fortified with advanced security systems, including electronic fire alarms, gaseous fire suppression, electronic access control, and comprehensive CCTV surveillance, ensuring the utmost protection for your critical equipment.

Cross-connect

TTC TELEPORT is a carrier-neutral provider. We empower our customers to select their preferred network operators for their specific service requirements. Our primary connectivity offering consists of optical Dark Fibers, exceptionally of metallic connections.

Long-hands

TTC TELEPORT provides basic operations and minor changes on customer's equipment upon customer request. We offer the following:

- takeover and temporary storage of customer's deliveries
- hardware installation and deinstallation
- replacement of hardware components
- in-rack cabling
- in-rack air-flow optimization
- equipment restart

Monitoring and customer portal

We empower you with online access to a comprehensive range of real-time non-IT operational values including temperature, humidity, power consumption, systems load and many more. Our monitoring processes hundreds of thousands distinct data points to ensure proactive management and optimal performance of your deployed equipment. Data points related to your service are available online using both graphical portal and API.

Office and storage space rental

We offer both long-term and short-term space rental in and/or near our Data Centers. Short-term conference room rental in our DC2 facility is also available.

Waste disposal

Committed to sustainability, we ensure environmentally responsible packaging disposal. Additionally, we provide certified disposal of ICT equipment, securing the complete and confidential destruction of sensitive data.

Who we are

Established in 2001, TTC TELEPORT has become synonymous with the highest standards of quality and exceptional, first-class support within the industry. Our Data Centers are equipped with innovative and cutting-edge technology, ensuring a superior hosting environment. The development of TTC DC2, one of the largest Data Centers in Czechia and across Central and Eastern Europe, has positioned TTC TELEPORT among the foremost providers of Data Center services in Europe, offering unparalleled scale and capacity.

TTC Data Centers are distinguished by their state-of-the-art technology and unwavering commitment to top-tier customer support, all within a framework of sophisticated security and an open, transparent business model. Renowned for our high level of professionalism and adaptable services tailored to meet the practical requirements of our clients, our open and fair approach underscores our dedication to building lasting, quality partnerships.

Contact details

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