TECHNICAL SPECIFICATION

POWER SUPPLY

- 2N power supply system with SLA availability of 99.999%.
- Dual supply from electrical grid.
  Data center's external power supply is provided by two different municipal distribution substations via two cables with diverse routing.
- Backup for external power supply onsite: UPS + Diesel Generators (DGS).
- Uninterruptable power supply of racks is distributed through a diverse routes scheme (line A and line B for each rack, allowing 100% redundancy).

COOLING

- The design of the cooling system has been created with the flexibility in mind, which allows the configuration to be altered to meet customer requirements. Facility cooling system is based on a combination of chilled water and DX units, which can accommodate peripheral (tradition CRAH), in-row or in-rack, chilled water cooling.
- The redundancy of the CRAC units is based on N+1 with one additional unit available for every five deployed.
- The Phase 3 cooling supply is based on chillers, enhanced by additional adiabatic cooling with internal water supply and storage container. The cooling capacity is flexibly designed to be expandable by 13.7 MW by adding Precision Air Conditioning units with Freon free-cooling. The coolant is supplied via the latest lightweight technology pipeline, which guarantees longer service time, reduced failure rate and improved maintenance.
- In addition, to balance the temperature across the halls, the system incorporates customized perforated false floor tiles with variable air flows, that are supplied into the cold isles.

MONITORING AND CONTROL SYSTEMS

- The datacentre integrated monitoring and control system is based on a Computrols BMS solution.
- More than 200 parameters of equipment, energy usage and climate control are being registered and monitored 24/7.
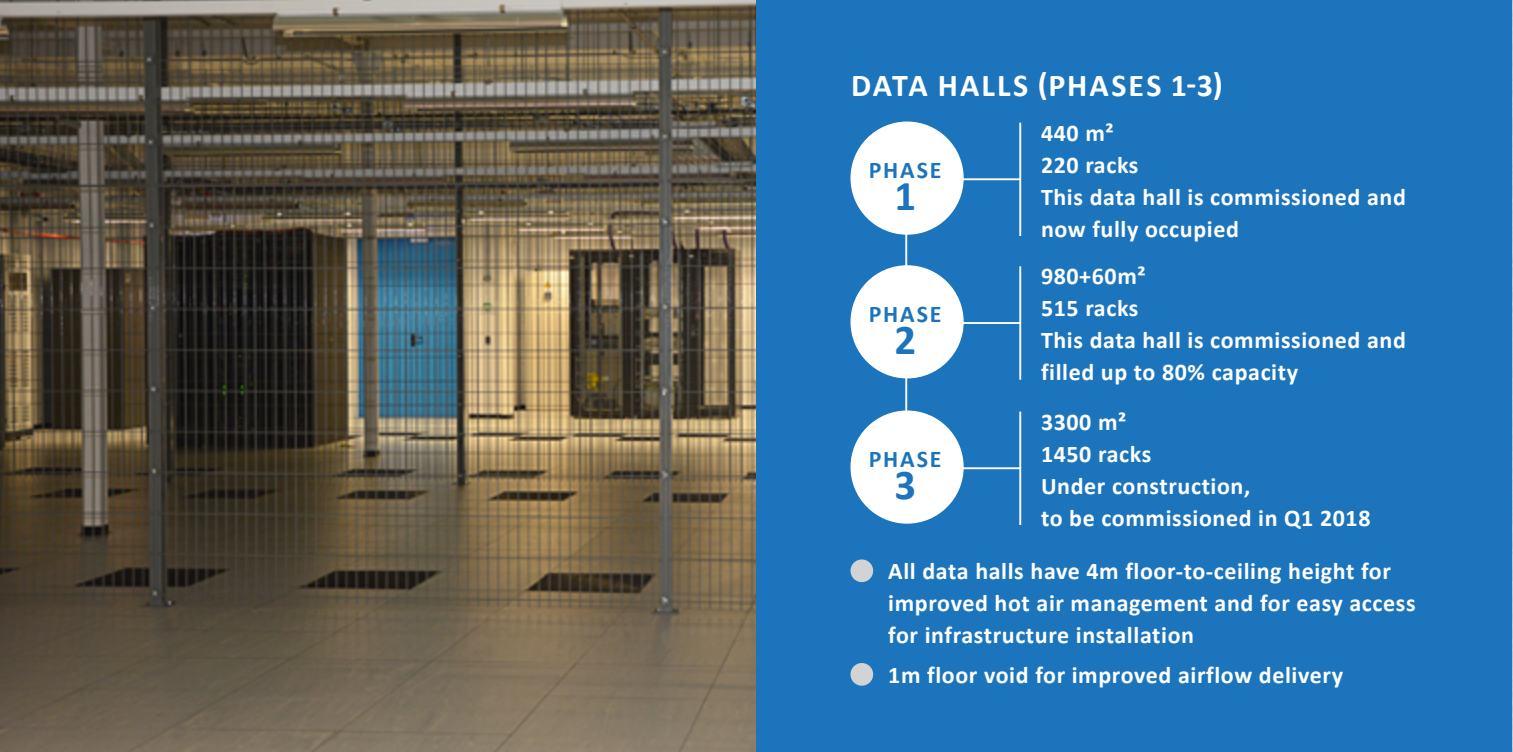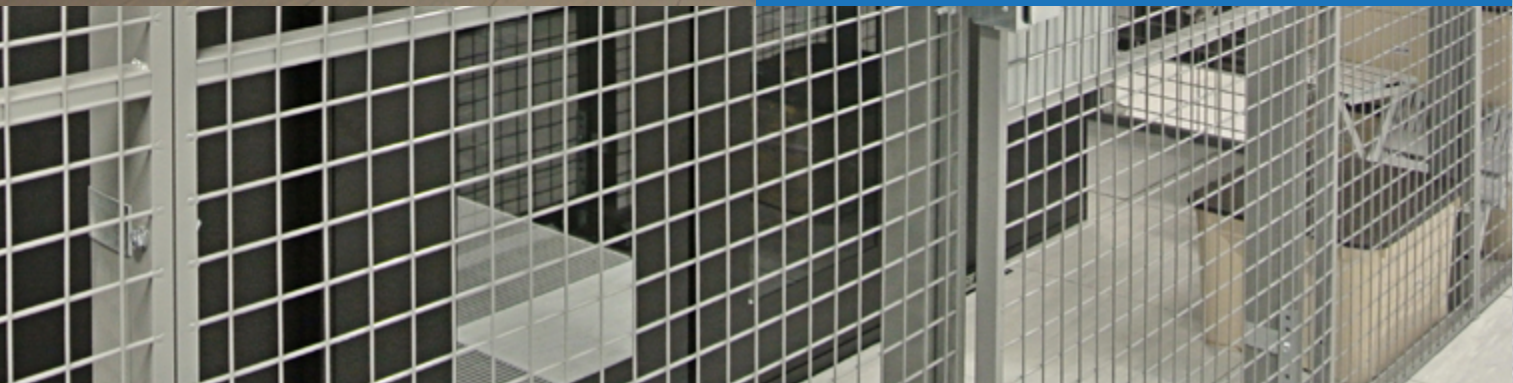
PHYSICAL SECURITY

Five levels of physical security — site periphery, building entrance, data hall entrance, cage, rack with the access control systems and biometric sensors available down to rack level if required.

DATA HALLS (PHASES 1-3)

PHASE 1
440 m²
220 racks
This data hall is commissioned and now fully occupied

PHASE 2
980+60m²
515 racks
This data hall is commissioned and filled up to 80% capacity

PHASE 3
3300 m²
1450 racks
Under construction,
to be commissioned in Q1 2018

- All data halls have 4m floor-to-ceiling height for improved hot air management and for easy access for infrastructure installation
- 1m floor void for improved airflow delivery

FIRE SAFETY

- The data center utilizes a five-level fire detection and fire suppression system, consisting of very early smoke detection apparatus "Vesda, standard building fire alarm and annunciation system, portable gasfire extinguisher system and the automatic HI-FOG water mist system, capable for local fire suppression (fire localization 4x4 sq.m).
- Integrated fire line with distilled water mist is supplied through a dry-pipe system to discharge heads located within the room and floor void and also can be distributed through manual suppression using 60m fire hose reel.
- HI-FOG system is designed for both single and multiple consequent activation of not less than 250 times without recharging.

GET CONNECTED AND ACCELERATE YOUR DIGITAL JOURNEY

IXcellerate – is one of the leading Russian data center operators (IDC), based in Moscow. The founding member of the IDC-G and member of the EU Data Center Association and D-Infinitum, both international alliances of commercial data centers.

BRIEF DESCRIPTION

Total campus area
15 741 m²

6 000 m²
Data halls and engineering rooms

Colocation capacity — maximum
2 185 standard racks

600 m²
Warehouse

13,7 MW
Power capacity

Design PUE
at full load **1,4**

OUR FEATURES AND BENEFITS

IXCELLERATE IS A PREMIER CARRIER AND CLOUD NEUTRAL DATA CENTER. We are a pure colocation player and are not competing with carriers and cloud providers onsite. Every customer is free to select his partner or provider of choice. IXcellerate partner ecosystem is continuously growing and has open door policy upon customer request.

DATA CENTER'S MODULAR DESIGN, HUGE FLOOR SPACE AND VAST OUTSIDE premises as well as office desk capacity enable our customers to realize projects of any complexity, even create a "datacentre within a datacentre" of up to many hundreds of racks.

OUR FINANCIAL RELATIONSHIPS WITH THE CUSTOMERS AND PRICING POLICIES ARE ABSOLUTELY TRANSPARENT: all obligations to our customers are clearly stated in the SLA and additionally reinforced with financial penalties should the provider fail to deliver proper service.

OUTSTANDING LEVEL OF SERVICE. As soon as the customer's request clocks in, our response time is within 30 minutes, which is times faster than the market average. Actual response time over the last 24 months is six minutes.

RELIABILITY

Fully compliant with IBM Reliability Level 3 in "design", "construction" and "operation"

Uptime Institute audit — Tier III certification for the new data center modules **is expected in Q2 2018**

Service availability according to SLA — 99,999%

With zero downtime since commissioning in 2013.

True carrier and cloud neutral data center with the best level of connectivity (MMR in each data hall with 42 carriers present onsite, as per Feb.2018)

Certificates: PCI DSS v3.2, ISO 27000 (27001), ISO 9000 (9001), ISO 14001:2004
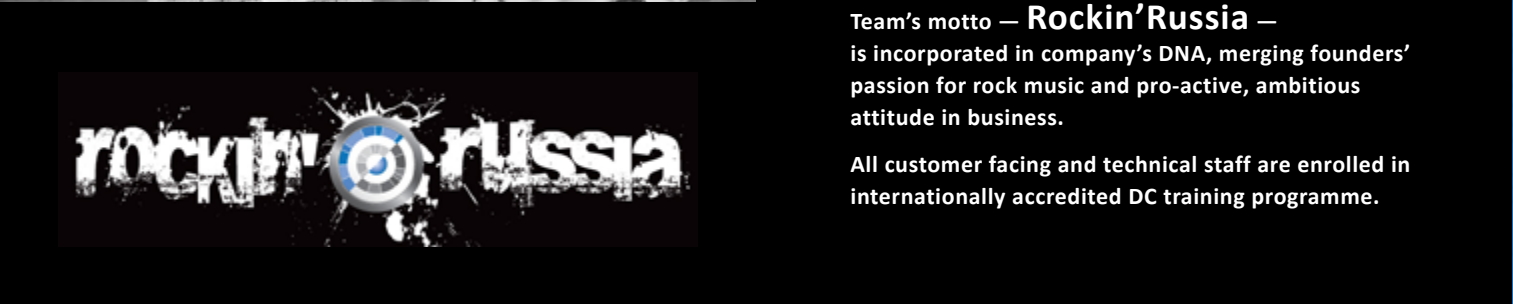

TEAM

IXcellerate employs over **50** of the best Russian and international specialists with the experience in design, construction and operation of data centers.

Guy Willner, the co-founder and CEO of the company, is one of the leading international experts in the industry and is regularly named among Top **50** Influencers In Data Centres, Cloud And Data in EMEA region.

Team's motto — **Rockin'Russia** — is incorporated in company's DNA, merging founders' passion for rock music and pro-active, ambitious attitude in business.

All customer facing and technical staff are enrolled in internationally accredited DC training programme.

SERVICES

Tailored colocation solutions to meet client's infrastructure requirements

All infrastructure installations in full compliance with Russian personal data legislation

All cloud services available (IaaS, PaaS, SaaS, etc) based upon fully-fledged ecosystem provided by our partners onsite

IT consulting services, including disaster recovery through the alliance with system integrators

Office space lease, warehousing

Cross-connection and traffic exchange through MSK-IX and Eurasia: Peering both located in-house

Finance industry services and access to low latency connectivity networks in cooperation with BSO, TMX Atrium, Avelacom, Thomson Reuters
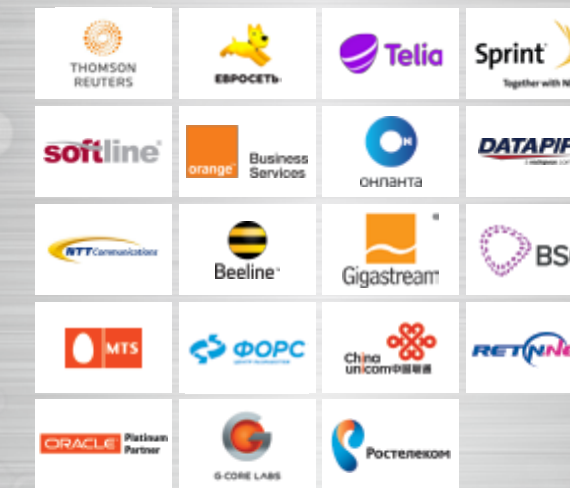
24x7x365 technical support (remote hands) in multiple languages

CLIENTS

Our customers include multinational corporations, international financial organizations, large retail networks, online services providers, IT companies, leading communications operators.

IXcellerate's public references include Thomson Reuters, Orange Business Services, RETN, Telia, NTT Communications, Datapipe, Agricultural Bank of China, Nestlé, Imperva, G-core, Evroset, Softline, Onlanta, FORS Distribution, as well as other global corporations, undisclosed due to confidentiality policies.

PARTNERS

More than 60 Russian and international vendors and service providers, including manufacturers, telecom operators, system integrators, content providers, cloud service providers and consulting organizations.

OUR ACHIEVEMENTS

Winner of Russian DC Awards 2015, 2016, 2017
For 3 consequent years, IXcellerate has been awarded 'The best DC' in the following categories: Best Integrated Solution Onsite in Power and Cooling, Total Cost of Ownership, Personal Data Localization.

Most customer friendly data center in Russia for international customers based on the results of allDC.ru survey
IXcellerate was recognized as the top Russian commercial data center, who is best prepared to address the colocation needs of international companies in Russia.

Fastest growing data center in Russia
As of 2016 IXcellerate was awarded the COMNEWS AWARDS in nomination "Most dynamically developing data center in terms of rack filling"

Finalist of the prestigious European DCS Awards
The only nominee from Russia to reach the finals of the prestigious DCS Awards in 4 nominations, including customer service.

INVESTORS