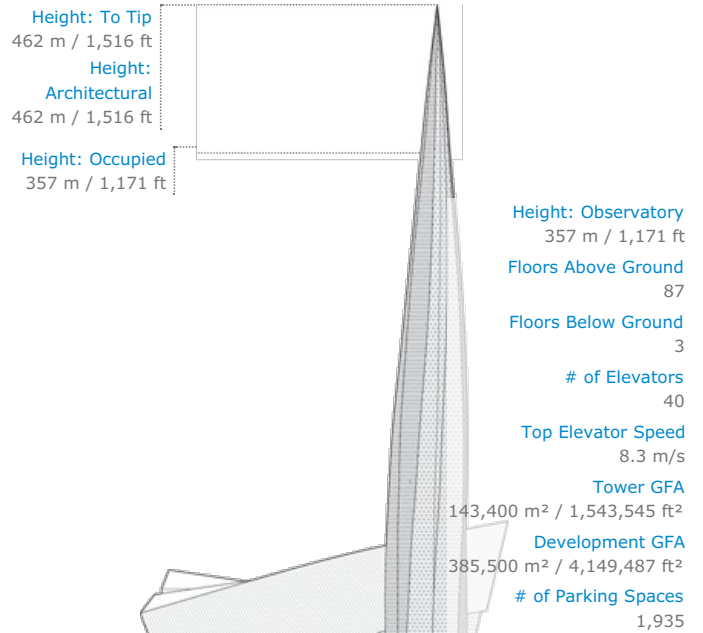


Lakhta Center



Click an image to view larger version.



Facts

Official Name	Lakhta Center
Other Names	Gazprom Tower
Structure Type	Building
Status	COM
Country	Russia
City	St. Petersburg
Street Address & Map	Lakhtinskij Prospekt 2
Building Function	office
Structural Material	composite <ul style="list-style-type: none"> • Core: Reinforced Concrete • Columns: Concrete Encased Steel • Floor Spanning: Steel

Energy Label	LEED Platinum
Proposed	2011
Construction Start	2012
Completion	2019
Official Website	Lakhta Center

Rankings

Global Ranking	#13 Tallest in the World	Click arrows to view the next taller/shorter buildings ▲ ▼ ▼ ▼ ▼ ▼
Regional Ranking	#1 Tallest in Europe	
National Ranking	#1 Tallest in Russia	
City Ranking	#1 Tallest in St. Petersburg	

Companies Involved

Owner	Gazprom
Developer	Joint Stock Company Gazpromneft Eastern European Projects
Architect	<ul style="list-style-type: none"> • Concept RMJM • Design Gorproject; Samsung C&T Corporation
Structural Engineer	<ul style="list-style-type: none"> • Design Gorproject; Inforceproject • Peer Review WSP
MEP Engineer	<ul style="list-style-type: none"> • Design Setec Bâtiment; Samsung C&T Corporation • Peer Review Environmental Systems Design, Inc.
Project Manager	AECOM ; Samsung C&T Corporation
Main Contractor	Renaissance Construction Company
Other Consultant	<ul style="list-style-type: none"> • Acoustics Threshold Acoustics, LLC; Ultima Pro Group • Building Monitoring SODIS LAB • Façade Arup; Priedemann Facade Experts; United Façade Company; Permasteelisa Group • Foundation Arabtec; BAUER Group; Geostroy • Geotechnical NIIOSP • Interiors Exclusiva Design • LEED ALAN Architecture and Project Management; Mîmta EkoYapı • Lighting Lichtvision; Schuler Shook • Parking Wohn Parking Systems Pvt. Ltd • Planning RMJM • Property Management Joint Stock Company Gazpromneft Eastern European Projects • Vertical Transportation Schindler; MovvéO Ltd. • Wind BMT; RWDI
Material Supplier	

• Cladding	AGC Flat Glass; Saint-Gobain Glass Facade; POHL Group ; Waagner Biro; Lindner Group ; Hilti AG
• Concrete	Beaton; Betomix
• Crane	Liebherr
• Electrical	ABB Group
• Elevator	thyssenkrupp ; Schindler
• Façade Maintenance Equipment	Alimak Hek
• Fire Suppression	Marioff Corporation Oy
• HVAC	ENGIE; FläktGroup Holding GmbH
• Plumbing	Puzer-keskuspölynimureita
• Sealants	Sika Services AG
• Solar Panels	FAFCO SA
• Steel	EVRAZ plc; Mechel; Belenergomash-BZEM LLC; Kurganstalmost; Cimolai; ArcelorMittal

About Lakhta Center

The Lakhta Center constitutes the epicenter of St. Petersburg's Primorsky District, employing a wide range of public functions alongside transportation infrastructure in an effort to anchor a sustainable economic zone. Originally planned for the historic center of the city, the project – then named [Okhta Centre](#) – garnered widespread media attention as stakeholders contended with the various impacts it would have on the image of the city. Ultimately, the tower was moved to its present location, adopting a new name and a fresh context to inform the master planned development. The tower will provide space for offices, as well as several public resources, including a planetarium, medical center, performance hall, and a bank.

The theme of the tower's design is that of a lonely spire in a horizontal landscape, with a unique shape informed by concepts of extrusion, torsion, and tension. The building's designers sought to create an optimal balance between office and public areas, ultimately conceiving a complete community within the building's walls. Outside of the building, the plan for the surrounding area incorporates greened and landscaped spaces. An open 2,000-seat amphitheater and green promenade with fountains, paths, and benches are all integrated into the design.

Lakhta Center incorporates a number of innovative energy-saving technologies into its design. A double-glazed façade increases the level of thermal insulation, leading to a reduction in heating and air-conditioning costs. Similarly, the premises will be heated using excess heat generated from working technical equipment. To combat the dual effects of extreme height and a harsh winter, an ice formation control system will be implemented to protect the building's façade and passers-by below from the dangers of falling ice.

Lakhta Center

CTBUH Initiatives

[2019 Tall Building Predictions for the Year to Come](#)

22 Jan 2019 – CTBUH News

[2018 Tall Building Predictions](#)

17 Jan 2018 – CTBUH News

[CTBUH Supports High-Rise Conference at Samara State University](#)

4-7 Sep 2017 – Event Report

[More Initiatives](#) →

Research Papers

[The Challenges of Delivering Iconic Tall Buildings Across the World: A Global Technology Transfer](#)

26 Oct 2015 – Global Interchanges: Resurgence of the Skyscraper City

[From "O" to "L" Design Challenges, Gazprom Tower](#)

16 Sep 2014 – CTBUH 2014 Shanghai Conference Proceedings

[Debating Tall: Gazprom Tower](#)

29 Apr 2011 – CTBUH Journal, 2011 Issue II

CTBUH Awards

[Best Tall Building 400 meters and above 2020 Award of Excellence](#)

CTBUH Awards 2020

[Construction Award 2020 Award of Excellence](#)

CTBUH Awards 2020

[Structural Engineering Award 2020 Award of Excellence](#)

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