

Your Energy Transition Partner

Sustainability
Report 2021



قطر للطاقة
QatarEnergy



2021 Highlights

Corporate Developments

- QatarEnergy announces its new sustainability strategy.
- Successful completion of QatarEnergy's new corporate headquarters which is designed in accordance with GSAS (Global Sustainability Assessment System) and envisaged to become a true icon of Qatar's architectural landscape.
- Successful completion of a new Main Fire and Rescue Station and Satellite Fire Station in Mesaieed Industrial City (MIC).

Climate Change & Environmental Action

- QatarEnergy takes the final investment decision for developing the North Field East Project (NFE), the world's largest LNG project, which will raise Qatar's LNG production capacity from 77 to 110 million tons per annum (MTPA) (more than 40% increase).
- Through Carbon Capture and Storage (CCS) QatarEnergy has successfully captured 3.8 million tons of Carbon Dioxide since the inception of various CCS projects.
- QatarEnergy and Shell signed an agreement to pursue joint investments in blue and green hydrogen projects in the United Kingdom.
- QatarEnergy and Korea's Hydrogen Convergence Alliance (H2Korea) signed an agreement for cooperation in the field of hydrogen energy.
- Jointly with Pavilion Energy Trading & Supply Pte. Ltd. and Chevron U.S.A. Inc (Singapore branch), QatarEnergy published a quantification and reporting methodology, the SGE Methodology, to produce a statement of greenhouse gas emissions for delivered LNG cargoes.
- Monitored and conserved Qatar's Hawksbill turtles in eight sites, resulting in 268 nests which is the highest recorded number in the last seven years.

Operational Responsibility

- Successfully introduced "In Vehicle Monitoring System" (IVMS) to all QatarEnergy company vehicles enabling detailed visibility and understanding of driving performance to enhance our ability to positively influence drivers' behavior across our entire fleet.

Collaborations & Partnerships

- QatarEnergy joined the Oil & Gas Methane Partnership (OGMP 2.0).
- QatarEnergy joined the World Bank-led Global Gas Flaring Reduction Partnership (GGFR).
- QatarEnergy teamed up with FIFA as an official partner for the FIFA Arab Cup Qatar 2021™.

Social & Economic Development

- Enabling virtual learning through the delivery of more than 200 thousand training hours, reaching pre-Covid levels of an average of 24 hours of training per employee.
- A five-year workforce plan in place dedicated towards recruitment and development for Qatari nationals.
- As part of our efforts to integrate human rights requirements into our ways of working, we developed and adopted our QatarEnergy Human Rights policy.
- We work closely with our contractors to define, establish, and maintain a working environment where all workers are respected and governance is ensured.
- Majority of our employees strongly agreed that QatarEnergy is committed to doing business ethically and in accordance with our Code of Conduct (CoC).
- We continued to promote the local economy directly through a 5% increase in local procurement spending. To enhance the resilience and competitiveness of the energy sector, we worked with our partners in Qatar to implement a dedicated supplier development program and incentivize In-Country Value (ICV) investments. Key milestones include creation of 46 new investment opportunities, 20 Energy Companies monitoring ICV and 800 suppliers becoming ICV certified.
- Our social investment of more than QAR 20 million made a positive contribution to local communities and Qatar society.



Ensuring holistic management of our environmental impact in the development of QatarEnergy Headquarters at West Bay, Doha

Demonstrating true environmental stewardship, QatarEnergy has integrated climate conscious measures throughout its business operations by building its headquarters as a sustainable facility receiving a 3-Star green building certification under the Global Sustainability Assessment System (GSAS).

Located at the heart of Doha, the facility is highly connected to existing infrastructure with access to utilities including water, electricity and fiber optics. Surrounded by pedestrian walkways and a metro station in proximity, occupants of the facility enjoy convenient access to public transport, thereby reducing the emissions linked with transportation. To safeguard the health and wellbeing of occupants, spaces inside the facility avoid the use of harmful chemicals in paints, finishes and furniture. For improved indoor environment, the buildings are designed to receive ample sunlight throughout the day. Resonating the region's cultural identity, facades within the development feature Mashrabiya pattern.

sustainability strategy that establishes the organization's environmental targets, in line with Qatar National Vision 2030 and the Paris Agreement.



QatarEnergy headquarters has joined the list of sustainable developments worldwide. Embracing green building practices for its facilities contribute to QatarEnergy's

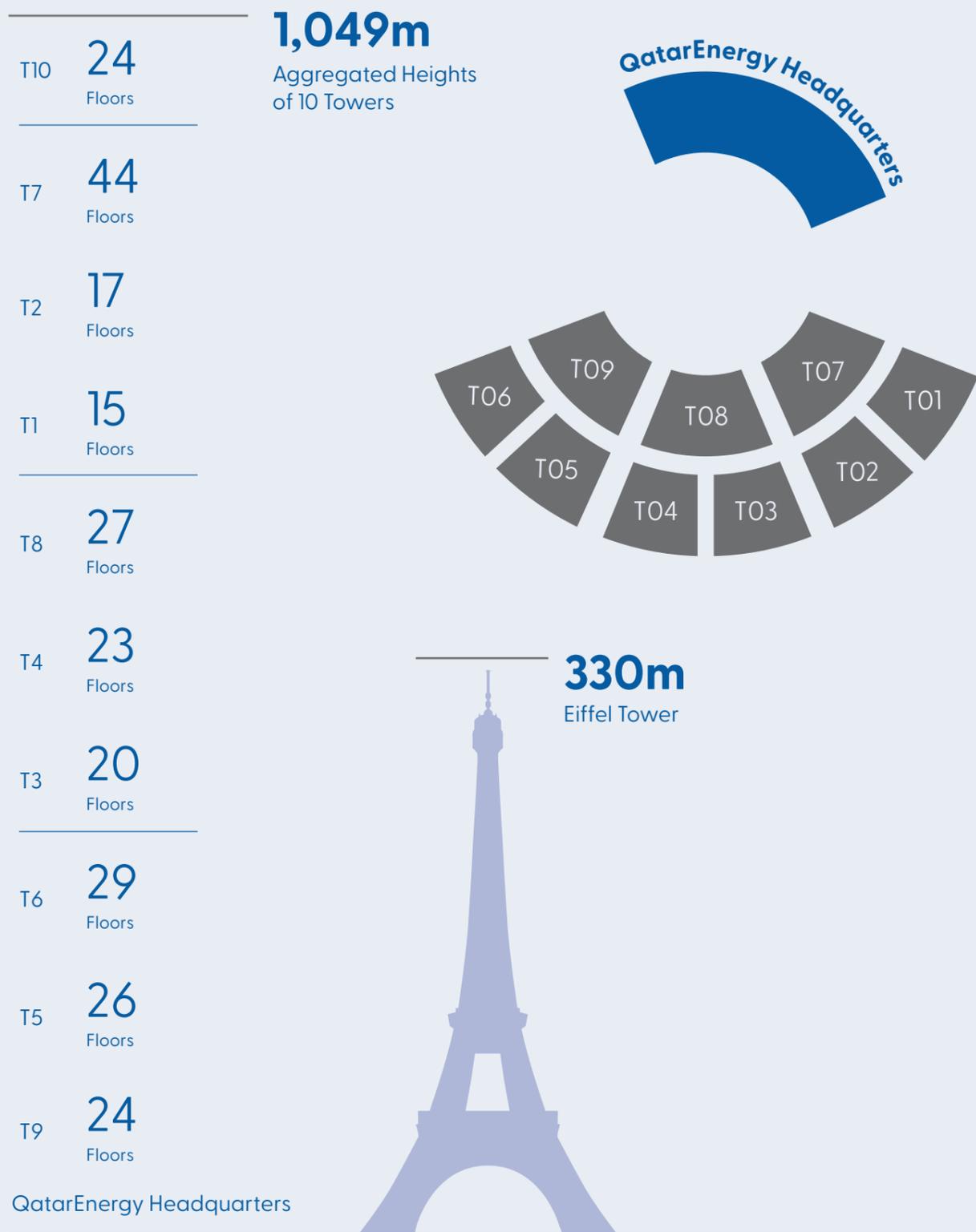
With sustainability incorporated right from the planning and design stage, the masterplan of QatarEnergy headquarters was developed as per green buildings standards.

In line with QatarEnergy's commitment to support regional businesses and to reduce its overall carbon footprint, QatarEnergy headquarters utilized locally available construction materials such as steel rebars, concrete and finishes for the exterior and the parking area. In the same vein, local consultants, contractors and suppliers were intentionally sourced and hired to work on the development.

The facility incorporates a wide range of sustainability measures aimed at preserving the environment and protecting biodiversity. Adopting a holistic approach to water conservation, the development benefits from the use of sensor faucets and low-flow fixtures, increased water reuse through treated sewage effluent systems and landscaping with native and adaptive plants that require minimal amount of water.

The development boasts its own district cooling plant serving all the facilities. To mitigate its energy footprint, the facility features high-efficiency walls and roofs. For enhanced insulation, glazing across all buildings has been done using double tinted glass with spacing inside. To ensure energy is efficient, fans provide fresh and exhaust air to the building, while LED lighting fixtures are optimized with sensor technology. Similarly, MEP (mechanical, electrical and plumbing) systems within the buildings are continuously monitored to ensure enhanced energy efficiency. Furthermore, the facility houses a smart system to control curtains in public spaces and lower the solar load. Benefiting from passive design techniques, the project also employs smart architectural solutions to minimize solar exposure of the glazed surfaces.

QatarEnergy Headquarters



Built Up Area
700,000m²
 Larger than Hamad International Airport

Regional Materials Sourced
40%

Sustainability Rating
3 Stars

Recycled Materials Content
25%

Construction Man Hours
140 Millions

Energy & Water Saving
20%
 Equivalent to Operating a Fifty-Storey Tower

Demountable Partitions
70 Km
 Equivalent to the distance from Doha to Ras Laffan

Tallest Building Height
200m
 46 Levels

Car Parking
4,700
 Parking Slots

Aggregated Levels
254 Levels
 3X Taller than Eiffel Tower

Fully Automated Building Management System

Water

Air Conditioning

Building Envelope

Life Safety

Electricity

Lighting

3,800 Staff Occupancy

2 Restaurants

250 persons capacity

3 Gymnasiums

2750 m2

QatarEnergy Health Center

14000 m2

Northfield Hall

400 Persons Capacity

Ras Abu Abboud Hall

725 Persons Capacity

Metro Station Link

16 Commercial Outlets

62



63

