

Nomination: 20595

## STT GDC Philippines: Leading the Future of Sustainable Digital Infrastructure

### Page: General Information

#### Name of Organization / Company

ST Telemedia Global Data Centres (Philippines)

#### Logo

Download File ([https://asiastevieawards.secure-platform.com/file/32424/eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJtZWRpYUlkIjozMjQyNCwiYWxsY3dOb3RtaWduZWRVcmwiOiJGYWxzZSIsImInbnUiaUJ9VC6j6ceZEYyZme8QeTK-tfC-5J1A0HpZdoQ?STT\\_GDC\\_Logo\\_Full\\_Color%20%283%29.png](https://asiastevieawards.secure-platform.com/file/32424/eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJtZWRpYUlkIjozMjQyNCwiYWxsY3dOb3RtaWduZWRVcmwiOiJGYWxzZSIsImInbnUiaUJ9VC6j6ceZEYyZme8QeTK-tfC-5J1A0HpZdoQ?STT_GDC_Logo_Full_Color%20%283%29.png))

#### Web Site Address

<https://www.sttelemediagdc.com/ph-en> (<https://www.sttelemediagdc.com/ph-en>)

### Page: Entry Information

#### Entry Title

STT GDC Philippines: Leading the Future of Sustainable Digital Infrastructure

#### Category

U01 - U11 - Award for Innovation in Sustainability > U06. Saving Energy

#### Submission Format

An Essay of up to 625 Words

## Essay

At STT GDC Philippines, we are pioneering a sustainable future in the data center industry through innovative energy-saving initiatives that drive operational excellence while minimizing environmental impact. STT GDC Philippines leads in sustainability through renewable energy, energy-efficient innovations, waste reduction, community engagement, and a commitment to carbon neutrality. Through these efforts, we are setting new benchmarks for energy conservation, reinforcing our role as an industry leader in sustainable digital infrastructure.

### Description of Sustainability Initiatives:

#### 1. Renewable Energy Integration:

- **100% Renewable Energy:** All our data centers operate exclusively on renewable energy sources, dramatically reducing our carbon footprint and reinforcing our commitment to sustainable operations.
- **Electric Vehicle Fleet:** We have transitioned our corporate fleet to 100% electric vehicles (EVs) to minimize our reliance on fossil fuels and reduce greenhouse gas emissions associated with our operational activities.
- **Solar-Powered EV Charging:** Our EV charging stations are powered by solar panels installed at our facilities, ensuring that our fleet operations are supported by clean, renewable energy. This integration not only enhances our energy independence but also sets a benchmark in ecological corporate practices.

#### 2. Green Building Certifications:

- Our flagship project, STT Fairview, has achieved LEED Gold pre-certification, exemplifying our commitment to building sustainable and energy-efficient infrastructure.
- The design and construction incorporate eco-friendly materials and systems that minimize energy consumption and environmental impact.

#### 3. Energy Efficiency and PUE Reduction:

- We have successfully improved our Power Usage Effectiveness (PUE) by optimizing cooling technologies and employing advanced AI-driven management systems that enhance operational efficiencies.
- These innovations have led to a PUE rating that significantly outperforms the industry average, demonstrating our leadership in energy management.

#### 4. Waste Reduction and Recycling Programs:

- STT GDC Philippines has instituted comprehensive waste management protocols that prioritize reduction, reuse, and recycling.
- Our data centers utilize modular designs that not only reduce construction waste but also allow for the recycling of components and materials in data center upgrades and expansions.

#### 5. Community Engagement and Education:

- We engage with local communities to raise awareness about the importance of sustainability and support educational programs that promote environmental stewardship.
- Initiatives include partnerships with educational institutions to develop curriculum focused on green technologies and sustainability practices in the IT sector.

#### 6. Carbon Reduction Initiatives:

- Beyond our shift to renewable energy, we have implemented measures to reduce greenhouse gas emissions in every aspect of our operations, from transportation and logistics to cooling and airflow optimization.
- We are committed to a long-term goal of achieving carbon neutrality, with ongoing investments in carbon offset programs and technologies that mitigate environmental impact.

### Impact of Sustainability Initiatives:

The sustainability initiatives undertaken by STT GDC Philippines have not only resulted in significant environmental benefits but also enhanced operational efficiencies, reduced operating costs, and improved our market competitiveness. Our efforts have contributed to a broader corporate commitment to social responsibility, positively influencing our stakeholders and inspiring similar actions in the industry.

### Recognition and Future Goals:

STT GDC Philippines has been recognized for its sustainability leadership, including awards such as the Data Centre Sustainable Transformation Strategy from W.Media. Looking ahead, we aim to further reduce our PUE, expand AI and machine learning use for energy management, and set new benchmarks for sustainability in the data center sector.

### Conclusion :

STT GDC Philippines is redefining sustainability in the data center industry through a combination of AI-driven energy optimization, 100% renewable energy adoption, and cutting-edge infrastructure design. Our results speak for themselves—lower energy consumption, reduced emissions, and industry-leading efficiency. As we continue to drive impactful change, we remain focused on scaling sustainable innovation and setting new benchmarks for environmental responsibility in digital infrastructure.

## For this category please provide

An essay of up to 625 words describing the nominated innovative achievements since July 1 2022, **OR** a video of up to five (5) minutes in length illustrating the same.

Optional (but highly recommended), a collection of supporting files and web addresses that you may upload to our server to support your entry and provide more background information to the judges.

## Credits

STT GDC Philippines: Driving Sustainability in the Data Center Industry –  
Supporting Essay

At STT GDC Philippines, we integrate sustainability into every aspect of our operations, focusing on energy efficiency, renewable energy adoption, and environmental engagement. Our data-driven approach ensures that every sustainability initiative is backed by measurable impact, demonstrating our commitment to reducing environmental footprints while maintaining operational excellence.

Through renewable energy transitions, green building certifications, energy efficiency improvements, and employee-driven initiatives, we are pioneering a sustainable future for the data center industry.

### 1. Energy Efficiency & Power Usage Effectiveness (PUE) Optimization

In September 2024, we optimized PUE levels across our data center sites, reinforcing our commitment to energy efficiency.

Key Results:

- Implemented measures to lower and optimize PUE, ensuring increased energy efficiency.
- Enhanced cooling technology to improve energy conservation.
- Reduced overall energy consumption while maintaining top-tier data center performance.

By continuously refining our energy efficiency strategies, we are ensuring reduced operational costs and a lower environmental footprint.

### 2. Renewable Energy & Carbon Footprint Reduction

In June 2024, we expanded our electric vehicle (EV) initiative and integrated solar-powered charging stations, reinforcing our shift toward clean energy transportation.

Key Results:

- Introduced BYD's fully electric vehicles as part of our fleet.
- Solar-powered EV charging stations reduced reliance on fossil fuels, lowering transportation-related emissions.

By embracing sustainable transportation, we are minimizing carbon emissions while reducing long-term energy dependence on non-renewable sources.

### 3. Industry Leadership in Green Building & Certifications

Our STT Fairview data center achieved LEED Gold precertification in June 2024, marking a significant milestone in sustainable infrastructure.

Key Results:

- First and only LEED Gold pre-certified data center project in the Philippines.
- Integrated ESG (Environmental, Social, and Governance) goals into design and construction, ensuring adherence to sustainability best practices.

With this internationally recognized certification, we set a benchmark for sustainable data center development in the region.

### 4. Global Sustainability Commitments: Earth Hour Participation

In March 2024, we actively participated in Earth Hour, switching off non-essential lighting at our offices and data centers to support global climate awareness efforts.

Key Results:

- Demonstrated a commitment to global climate action through energy conservation.
  - Encouraged employees and partners to adopt energy-saving habits beyond Earth Hour.
- By taking part in global sustainability initiatives, we reinforce our role as an environmentally responsible industry leader.

### 5. Employee Engagement & Sustainability Awareness

Sustainability is embedded not only in our operations but also in our corporate culture, ensuring that employees actively contribute to green initiatives.

Key Initiatives & Results:

- Sustainability Art Contest (October 2024):
  - o Employees creatively repurposed scrap materials from data centers into artwork, promoting waste reduction and innovation.
- La Mesa Tree Planting Engagement Program (October 2024):
  - o Dedicated land for biodiversity conservation, emphasizing reforestation and ecological balance.
  - o Committed to planting at least two seedlings of native forest species to contribute to long-term environmental preservation.

By engaging employees in sustainability projects, we foster a culture of environmental responsibility and innovation.

**Do You Have Supporting Files You Would Like to Upload?**

Yes

Audio (Mp3), Documents (PDFs, Word, PowerPoints), Images (PNG, JPG, TIF), and Video (Mp4)

200 MB Max per File

**File 1**

[Redacted]

[Redacted]

**File 3**

No File Uploaded

**File 4**

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**File 5**

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**File 9**

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**File 10**

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**Do You Have Website URLs you would like to link to**

Yes

**URL 1**

[Redacted]

**URL 2**

**URL 3**

**URL 4**

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**URL 9**

**URL 10**

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