RE100 Leadership Awards 2026
Category: RE100 Changemaker

Princeton Digital Group

Going Beyond RE100: Our Sustainability Commitments

PDG's sustainability ambition extends well beyond our RE100 commitment. We have committed to achieving 100% renewable electricity across all operations under our operational control by 2026, alongside a Net Zero target for Scope 1 and Scope 2 emissions by 2030. These are not parallel targets, but an integrated strategy: decarbonizing electricity, our largest source of emissions, is the most direct and scalable lever to reduce our overall carbon footprint and achieve Net Zero.

While we are progressing toward our RE100 goal, PDG is not limiting our ambition to annual renewable energy matching. Through our 24/7 Carbon-Free Energy (CFE) roadmap, we are advancing toward matching every megawatt-hour of electricity consumption with clean energy in real time, with a clear pathway to hourly matching by 2036.

This approach goes significantly beyond RE100 requirements and reflects our commitment to driving system-level decarbonization. We believe 24/7 CFE represents the future standard for data center operators. By pursuing this ambition across Asia's most complex and constrained energy markets, PDG is demonstrating both the feasibility and the urgency of moving beyond annual accounting toward true, time-based decarbonization.

What Is Driving Us to Go Beyond

Three forces are driving PDG to go beyond our RE100 target. First, the nature of our business: data centers are among the most energy-intensive assets on the planet, and as demand for digital infrastructure, and AI compute, in particular, accelerates across Asia, the sector's energy footprint will only grow. We believe operators at our scale have a responsibility to lead, not follow, on clean energy.

Second, the hyperscalers we serve have made their own 100% renewable commitments and expect their infrastructure partners to match that ambition. Annual REC matching is increasingly insufficient, customers are beginning to ask about 24/7 CFE. PDG's RE100 commitment, and our 24/7 CFE roadmap, position us to meet that demand.

Third, our conviction that the markets we operate in tend to look for a first mover. Asia lacks the mature renewable energy procurement infrastructure that exists in Europe or North America. By implementing 24/7 CFE at scale, engaging in policy advocacy, and openly sharing our experience, including at forums like Climate Week NYC 2025 and Climate Group Asia Action Summit 2026, PDG is helping build the market that others can follow.

> *"PDG operates at the intersection of two of Asia's most powerful growth forces: digital infrastructure and the clean energy transition. Joining RE100 is our commitment to lead on both, building the region's digital backbone while helping to build its clean energy future."*
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> **— Rangu Salgame, Chairman, CEO and Co-founder, Princeton Digital Group**

How We Are Achieving Our Targets: Innovative Approaches

PDG's approach to achieving our sustainability targets is built on four dimensions: procurement, grid support, emerging technologies, and advocacy.

On procurement, we follow a deliberate hierarchy: long-term PPAs with renewable developers to add new capacity to the grid, on-site solar installations at 100% of feasible data centers by 2027, and energy attribute certificates. This includes time-matched energy attribute certificates (TEACs) to cover remaining consumption. In India, this approach has driven significant growth: renewable energy capacity under contract expanded from 12.5MW to approximately 65MW by early 2026 through new long-term and short-term solar and wind PPAs.

On grid support, we engage with grid operators across our markets on interconnection, explore battery energy storage system (BESS) opportunities to support grid stability, and participate in demand response programs where available.

On emerging technologies, we actively monitor advanced geothermal, green hydrogen, and small modular reactors, technologies that may prove critical in markets where solar and wind alone cannot meet round-the-clock demand.

On advocacy, we engage with policymakers and energy regulators across Asia to support the development of open-access renewable energy frameworks, recognizing that the barriers our teams navigate today can only be permanently removed through better market design.

Impactful Procurement: A First-of-Its-Kind Milestone

India has been a proving ground for PDG's most ambitious clean energy work: the pursuit of 24/7 carbon-free energy (CFE). In September 2025, PDG partnered with Flexidao and Tata Power Renewable Energy Limited (TPREL) to implement time-matched, CFE at our 150MW MU1 data center in Mumbai, the first initiative of its kind in India's data center sector. Flexidao's platform enables hourly matching of consumption against renewable generation from our solar PPA, going significantly beyond standard REC procurement. This milestone demonstrates that granular, time-based matching is not only technically feasible, but operationally viable in Asia's data center markets. Importantly, it establishes a replicable model for 24/7 CFE implementation, helping to lower barriers for wider adoption and accelerate the shift toward true, system-wide decarbonization.

> *"The implementation of time-matched carbon-free energy at our Mumbai campus marks an important step forward for PDG and for sustainable digital infrastructure in India. Through our collaboration with Flexidao, we're proud to be among the early adopters of time-matched clean energy at scale."*
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> **— Varoon Raghavan, Chief Operating Officer and Co-founder, Princeton Digital Group**

Benefits for the Grid, the Market, and the Sector

PDG's sustainability strategy is designed to deliver impact beyond our own operations, across the grid, the market, and the broader data center sector.

Our PPA-first procurement approach prioritizes additionality, bringing new renewable capacity onto regional grids rather than claiming existing supply. At the same time, our advocacy engages directly with the policy frameworks that determine whether clean energy is accessible to all corporate buyers in Asia Pacific, not just those with the scale and resources to navigate complex markets. By openly sharing our progress, including showcasing our 24/7 CFE work at Climate Week NYC 2025, we are helping to lower the information barrier and accelerate adoption across the sector.

Setting ambitious targets also delivers tangible internal and market benefits. It strengthens accountability, sharpens procurement discipline, and sends a clear demand signal to developers, utilities, and policymakers that sustained investment in clean energy infrastructure in Asia is both necessary and viable. For a sector that will consume an increasing share of the region’s electricity, that signal is critical, and PDG is committed to making it both strong and credible.

PDG is less than twelve months into our RE100 journey. In that time, we have reached 78% renewable energy coverage, launched Asia's first hourly-matched clean energy initiative in the data center sector, and begun building the policy and procurement foundations needed to reach, and go beyond 100%. There is more work ahead, particularly in markets where enabling frameworks remain limited and technologies are still evolving. However, our progress to date reinforces a clear conviction: ambitious clean energy targets and high-performance digital infrastructure are not in conflict, they are mutually reinforcing. PDG remains committed to raising the bar for what sustainable data center operations can achieve in Asia.