RE100 Leadership Awards 2026
Category: RE100 enterprising leader

Princeton Digital Group

Our RE100 Target and What Makes It Ambitious

PDG's RE100 target is to achieve 100% renewable electricity for all consumption under our operational control by 2026. For a data center operator spanning Singapore, Japan, India, Indonesia, China, Malaysia, and South Korea, markets that include some of the world's most constrained renewable energy procurement environments, this represents a deliberate and challenging commitment. Access to renewable energy across these markets is uneven, with limitations in grid capacity, policy frameworks, and availability of compliant instruments. Delivering against this target therefore requires a combination of long-term procurement, local market development, and sustained engagement with stakeholders across the energy ecosystem.

Our ambition extends beyond achieving 100% renewable electricity on an annual basis. We established a 24/7 Carbon-Free Energy (CFE) roadmap to progressively match electricity consumption and under our operational control with clean generation in real time, progressing from annual CFE matching by end of 2026, through monthly, quarterly, weekly, and ultimately hourly matching by 2036. This goes significantly beyond what RE100 requires and reflects our conviction that annual matching alone does not guarantee clean energy is available when our data centers actually need it.

The Value of RE100 Membership

The benefits of RE100 membership have been tangible for PDG. It has strengthened our credibility with hyperscaler customers that have their own 100% renewable commitments, sharpened our internal discipline around procurement rigor and carbon accounting, and positioned us as a sustainability leader in a sector often scrutinized for its energy footprint. Beyond PDG, RE100's value lies in the collective demand signal its members send to governments and markets. This signal strengthens with each new member and plays an important role in accelerating the development of more accessible and affordable renewable energy. For corporates operating across Asia Pacific navigating the same constrained grids, limited certificate markets, and evolving policy frameworks, RE100 provides a consistent and credible framework for action. It offers public commitment, access to a global peer network, and a mechanism for collective advocacy on the market reforms thatare difficult for any single company to drive independently.

Challenges in Our Home Market and How We Are Addressing Them

Singapore, where PDG is headquartered, presents our most significant sourcing challenge. The supply of RE100-compliant renewable energy certificates remains limited and carries a cost premium, making full compliance a structural constraint rather than solely a procurement issue.

PDG's approach is to engage actively in developing viable solutions. In September 2025, we signed an agreement with our utility provider to match 25% of electricity consumption at one

of our Singapore data centers with Singapore-originated, RE100-compliant renewable energy certificates, an initial step toward increasing compliant coverage in this market. Beyond this, we engage actively with policymakers and energy regulators to support the development of open-access renewable energy frameworks and the expansion of Singapore's domestic renewable energy market. We also participate in RE100's policy advocacy efforts, adding our voice to the collective push for market reform across the region.

Our Strategy for 100% Renewable Electricity

PDG's strategy for achieving 100% renewable electricity is based on a defined procurement hierarchy. We prioritize long-term PPAs directly with renewable developers wherever feasible, ensuring we add new capacity to the grid rather than purchasing from existing assets. In India, this approach has supported the expansion of contracted renewable capacity from 12.5MW to approximately 65MW by early 2026, through a combination of solar and wind PPAs. Where PPAs are not feasible, we deploy on-site renewable installations, with a target to have solar at 100% of feasible data centers by 2027. Where demand cannot be fully met through PPAs or on-site generation, we use energy attribute certificates, including time-matched energy attribute certificates (TEACs), to match remaining electricity consumption with verified renewable generation. Beyond procurement, we engage with grid operators on interconnection and resilience, explore energy storage opportunities, and monitor emerging technologies including advanced geothermal and green hydrogen as potential future sources of firm, clean power across our markets.

Impactful and Innovative Sourcing

India has served as a key market for advancing PDG's more innovative clean energy initiatives, particularly in 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, carbon-free energy at our 150MW MU1 data center in Mumbai, marking the first initiative of its kind in India's data center sector. Using Flexidao's platform, we are able to match electricity consumption with renewable generation from our solar PPA on an hourly basis, moving beyond conventional annual REC-based approaches. We have also expanded our renewable energy capacity in India to approximately 65MW through a combination of long-term and short-term solar and wind PPAs, contributing new capacity to the grid. The MU1 initiative was showcased at Climate Week NYC 2025 as a replicable approach for advancing time-based clean energy procurement in the region.

> *"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**

In less than 12 months as an RE100 member, PDG has reached 78% renewable energy coverage across our portfolio, expanded our renewable energy capacity in India to approximately 65MW, and launched the country's first hourly-matched clean energy initiative in the data center sector. These milestones demonstrate the feasibility of advancing clean energy procurement in complex markets and provide a foundation for further scaling across Asia.