

# PEAK ENERGY

## A Combination of Solar, Wind, and Storage Technologies for a Transition Towards Renewable Energy

Peak Energy is a renewable energy developer and independent power producer that generates 100% green energy by designing, funding, building, and operating both large (utility-scale) and small (corporate-sized) solar and wind farms. These farms generate electricity for corporates that want to power their operations with green electricity, ensuring no carbon release into the atmosphere.

Incorporated in Singapore in November 2023, Peak Energy serves as the APAC renewable energy arm of Stonepeak, one of the world's largest infrastructure asset managers.

Peak Energy has an active pipeline of more than 5.5GW of renewable energy projects throughout Asia Pacific. With 237MW already in operation, we have helped decarbonise more than 352,000,000 kWh of energy, representing over 245,000 kt of CO<sub>2</sub> avoided.

### DECARBONISING POWER SYSTEMS

Peak Energy, an Independent Power Producer (IPP), is dedicated to developing renewable energy systems to help decarbonise electricity grids and infrastructures across various markets. By leveraging cutting-edge renewable technologies, Peak Energy aims to transform the energy landscape, reduc-

ing reliance on fossil fuels and promoting a sustainable future.

A key aspect of Peak Energy's mission is to collaborate with corporate clients, particularly those in energy-intensive sectors such as big tech companies. By supplying these clients with clean energy, Peak Energy helps them decarbonise their operations and advance their sustainability goals. This partnership approach not only supports the environmental objectives of these corporations but also enhances their operational efficiency and corporate responsibility.

In a groundbreaking move, Peak Energy's team pioneered the first rooftop and on-site energy solutions in Southeast Asia, providing clients with access to cheaper and cleaner energy. This innovation underscores Peak Energy's dedication to making renewable energy accessible and cost-effective, thereby driving the transition to a greener energy future.

### A PARTNERSHIP WITH DIGITAL EDGE

In June 2024, Peak Energy announced a partnership with Digital Edge, one of Asia's largest data centre platforms. Through this partnership, Peak Energy and Digital Edge will jointly pursue an initial pipeline of 500 MW of operating capacity for both existing and planned data centres over a three-year period.

Peak Energy, which focusses on a combination of solar, wind, and storage technologies, will target renewable energy projects in countries where Digital Edge has existing deployments, including Japan, Korea, Indonesia, India, and the Philippines, as well as other fast-growing markets. These projects will support the decarbonisation of up to 1 GW of power and generate more than 1,300 GWh per year, equivalent to removing 216,000 cars from the road. This partnership allows both Digital Edge and Peak Energy to advance their respective business and sustainability objectives.

### AMBITIONS IN CORPORATE RENEWABLE ENERGY SOLUTIONS

Multinational corporations across various industries face significant challenges in securing renewable energy to power their operations, especially in the Asia-Pacific region. Regulatory constraints and physical limitations of the electric grid in several countries exacerbate this issue.

Peak Energy was established to facilitate access to renewable energy for corporate customers. The company installs and operates solar PV systems on their sites and provides access to solar and wind farms where feasible. Peak Energy's core business involves the installation and operation of zero-carbon electricity generation facilities,



ensuring that corporate customers receive 100% green energy.

Peak Energy has set an ambitious target to achieve 2 GW of solar and wind operating capacity across APAC by 2030. To put this into perspective, 2 GW can power approximately 1.5 million households for a year. The key performance indicator of Peak Energy's success is the number of megawatts of solar and wind power installed and operated annually. Through these efforts, Peak Energy is not only advancing corporate sustainability but also driving the transition to a greener energy future.

### THE NEED FOR NEW POWER PLANTS IN SOUTHEAST ASIA: PEAK ENERGY WILL MEET THE CHALLENGES

Southeast Asia is one of the world's fastest-growing regions and is quickly becoming a global manufacturing hub. However, it is also at the epicentre of the climate crisis, facing significant challenges such as air pollution, water scarcity, rising temperatures, and low-lying coastlines.

According to the 2023 IEA Report (International Energy Agency), Southeast Asia will need to invest USD 170-185 billion per year in renewable energy to meet climate targets, a substantial increase from USD 30 billion in 2022. Meanwhile, electricity demand in Southeast Asia is forecast to grow at an annual rate of 3.7%, double the global growth rate. This surge is driven by a growing middle class, urbanisation, and the electrification of transportation. Consequently, the region will require significant new power plants, with a pressing need to replace fossil fuel power plants with renewable energy sources, primarily solar and wind.



### Meeting the Urgency of Decarbonisation

Peak Energy is poised to meet these challenges head-on. By investing in and developing renewable energy infrastructure, Peak Energy is not only addressing the urgent need for sustainable power but also driving the transition to a greener future for Southeast Asia.

Peak Energy believes the energy transition is progressing too slowly, with the planet likely to experience a much greater temperature increase than the targeted 1.5°C by 2050. This pace is also insufficient for corporate companies aiming to decarbonise their operations.

In Japan and Korea, which have deregulated markets, Peak Energy already offers both onsite and off-site PPA solutions to its customers. In Thailand, the Philippines, Indonesia, Vietnam, and Malaysia, Peak Energy partners with its customers to deliver onsite PPA solutions while closely monitoring

regulatory changes to craft off-site PPA solutions tailored to specific requirements.

Developments are happening rapidly. Thailand announced a 2 GW off-site PPA pilot project for 2025 in June, and Vietnam passed the DDPA (Direct Power Purchase Agreement) pilot scheme in July. Opportunities are emerging across the region, making it crucial to act swiftly.

Committed to installing and operating zero-carbon electricity generation facilities, Peak Energy is dedicated to ensuring that the region's growing energy demands are met with clean, renewable energy solutions.