



Indonesia and Japan are strengthening economic collaboration, focusing on sustainability, infrastructure and technology across carbon markets, renewable energy, smart cities and fisheries. Japanese Ambassador Masaki Yasushi, Indonesian Ambassador to Japan Heri Akhmadi and Vice Minister of Indonesia's Ministry of National Development Febrian Ruddyard highlighted sectors poised for growth through this partnership.

Japanese firms are already investing in Indonesia, driving sustainable progress across various sectors. Mitsubishi Estate, Tokyo Land and Hitachi Energy lead in urban development, while Indonesian companies such as Harta Samudra and Multi Bintang are strengthening trade and innovation.

At the Osaka World Expo, Indonesia will showcase its sustainability leadership, solidifying ties with Japan.



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## Empowering a sustainable future: Pertamina NRE's journey

Pertamina New & Renewable Energy, a strategic subsidiary of Indonesia's energy leader Pertamina, is taking bold steps to accelerate the country's transition to a sustainable energy future.

As the global focus increasingly shifts toward decarbonization and clean energy, Pertamina NRE plays a pivotal role in supporting Indonesia's commitment to reducing carbon emissions and advancing low-carbon technologies.

With a core mission centered on developing renewable energy, Pertamina NRE is actively expanding its portfolio to include solar, geothermal, bioenergy, hydrogen and more. At the same time, the company is exploring innovative solutions such as green hydrogen — technologies that are widely regarded as essential in the global green energy transition. These efforts are supported by Indonesia's abundant natural resources and strategic geographic position.

**"We believe that the energy transition cannot be carried out separately; we need to collaborate. Strategic partnerships — both domestic and international — are key to unlocking the full potential of green energy in Indonesia."**

John Anis, CEO of Pertamina NRE, underscored the importance of collaboration in accelerating the adoption of clean energy.

"We believe that the energy transition cannot be carried out separately; we need to collaborate. Strategic partnerships — both domestic and international — are key to unlocking the



A 22-megawatt solar plant in Sei Mangkei in Sumatra. PERTAMINA NRE

full potential of green energy in Indonesia," Anis said.

One of the most promising areas of development is in green hydrogen and green ammonia — clean fuels capable of decarbonizing hard-to-abate sectors such as heavy industry and long-haul transportation. Pertamina NRE has established partnerships with global players to explore opportunities in this field, aiming to leverage Indonesia's renewable energy potential through advanced technologies and international investment.

Beyond international cooperation, Pertamina NRE is also strengthening its synergy with national partners, including state-owned enterprises and private innovators, to accelerate the growth of the domestic green energy ecosystem. The company's

long-term vision aligns with Indonesia's target to achieve net-zero emissions by 2060 through projects that aim not only to reduce emissions, but also create economic value and enhance national energy security.

As demand for sustainable energy solutions rises, Pertamina NRE is at the forefront of Indonesia's energy transformation. Through visionary leadership and strategic collaboration, the company is positioning itself as a key player in the global green energy landscape, contributing meaningfully to a cleaner, more resilient and more sustainable future. ■

[www.pertaminanre.com](https://www.pertaminanre.com)



A 1,760-megawatt steam gas power plant in Cilamaya, West Java. PERTAMINA NRE

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## Partners in progress: Japan and Indonesia's path to sustainable growth and innovation

### Astra Otoparts: Forging Indonesia-Japan partnerships and driving future mobility

Astra Otoparts, a cornerstone of Indonesia's manufacturing sector, has built a remarkable legacy of growth and innovation through strategic partnerships with Japanese automotive giants. As the company approaches its 50th anniversary in 2026, it stands as a testament to collaborative success.

President Director Hamdhani Dzulkarnaen Salim highlights the company's transformative journey, beginning with a shift from process-based to product-based manufacturing.

"The establishment of the Engineering Development Center in 2011 marked a crucial shift, enabling us to innovate and develop new products," Salim explained. Between 2013 and 2019, the company expanded through strategic joint ventures, mergers and acquisitions, enhancing its market resilience.

A key focus has been the company's proactive entry into the electric vehicle ecosystem and the Fourth Industrial Revolution, otherwise known as "Industry 4.0."

"Early awareness of electronic ve-



**Hamdhani Dzulkarnaen Salim,**  
President Director of Astra Otoparts  
ASTRA OTOPARTS

hicles as a future business started with studies in 2017, followed by building several prototypes within our EDC," Salim said. These efforts positioned Astra Otoparts at the forefront of Indonesia's EV transition, earning accolades like the Champion Factory and National Light-house Industry 4.0 awards.

The company's strong ties with Japanese automotive manufacturers have been instrumental to its success.

"These collaborations are built on long-term business intentions and strategic commitment, emphasizing win-win principles," Salim emphasized. With over 20 joint ventures, Astra Otoparts has gained access to advanced technologies, global supply chains and technical expertise.

"Our experience with Japanese companies, both as customers with such brands as Toyota, Honda, Daihatsu and Mitsubishi, as well as our joint venture partners, has strengthened our ability to collaborate with international manufacturers, applying lean production techniques, *kaizen* (continuous improvement) principles and global best practices," Salim said. This approach has enabled partnerships with manufacturers from the U.S., Europe, Taiwan and China.

Sustainability remains a core focus through the Astra Green Company program.

To support these goals, 19 of our subsidiaries have installed solar PV (photovoltaic), and we have launched energy-efficiency programs, biofuel utilization and waste management initiatives," Salim noted. The company has set ambitious environmental targets, including a 30% reduction in greenhouse gas emissions and a 15% decrease in water consumption by 2030.

Looking forward, Astra Otoparts aims to solidify its position as a world-class auto parts supplier.

Astra Otoparts will continue expanding its market reach through strategic partnerships, joint ventures and export growth," Salim said. By diversifying into nonautomotive sectors and embracing digitalization and operational excellence and sustainable practices, Astra Otoparts is poised to drive innovation and growth in the evolving automotive landscape, strengthening the enduring bond between Indonesia and Japan. ■

[www.astra-otoparts.com](https://www.astra-otoparts.com)



**Yasuaki Oda,** President Director of Mitsubishi Estate Indonesia  
MITSUBISHI ESTATE INDONESIA

### Mitsubishi Estate: Redefining urban living in Indonesia

Mitsubishi Estate is strengthening its presence in Indonesia, bringing world-class expertise in mixed-use developments to one of Southeast Asia's most dynamic markets. The company is focusing on premium real estate projects, creating integrated urban spaces tailored to modern Indonesian consumers, while also enhancing Japan-Indonesia business relationships.

"We combine our global development experience with local insights through strategic partnerships," Yasuaki Oda, president director of Mitsubishi Estate Indonesia, said. Since its 2019 market entry, the company has unveiled notable projects including Trinity Tower, a premium office complex, and The Grand Outlet in Karawang, an upscale retail destination.

Supported by the country's economic resilience and infrastructure development, Indonesia's real estate sector shows continued growth despite global economic headwinds, "maintaining its growth trajectory even amid global challenges," Oda noted.

The expansion of Jakarta's transportation infrastructure, including the Mass Rapid Transit and Light Rapid Transit rail systems, has increased demand for mixed-use developments that offer greater convenience. Today's Indonesian consumers increasingly prefer integrated environments that seamlessly blend work, living, shopping and leisure activities," Oda said.

Looking ahead, Tokyo Land Indonesia aims to foster collaboration between Indonesian staff, Tokyo Land Corp. members and Japan-based teams in Indonesia. By leveraging their combined strengths, the company hopes to create innovative products that resonate with local consumers while maintaining global standards. ■

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### Multi Bintang Indonesia: Brewing excellence and Japan-Indonesia synergy

With over 90 years of brewing heritage in Indonesia, Multi Bintang Indonesia continues to strengthen its position as a leading beverage company while embracing sustainability and forging international partnerships, including in Japan.

"At Multi Bintang Indonesia, as part of The Heineken Company, we stay rooted in our purpose to brew the joy of true togetherness to inspire a better world — all while operating sustainably and responsibly," said Roland Bala, president director of Multi Bintang Indonesia.

The company's portfolio has continuously evolved to meet changing consumer preferences. Beyond its flagship Bintang brand, Heineken beer and Tiger Soju Flavoured Lager, the brewery remains committed to innovation. In January, it expanded its Bintang portfolio with the launch of Bintang Arak Jeruk & Madu — a unique blend of Balinese arak, refreshing orange and sweet honey available exclusively in Bali.

This focus on innovation creates natural synergies with Japanese business culture. "We share some similarities with the Japanese



**Roland Bala,** President Director of Multi Bintang Indonesia  
MULTI BINTANG INDONESIA

community; that is, a focus on innovation and quality," Bala said. "This common ground makes the Japanese community an important group to us, and we continuously strive to strengthen our connection."

Recently, this connection was highlighted when members of the Japanese Consulate, as part of Junior Chamber International, toured Multi Bintang's Sampangagung brewery

in East Java, experiencing firsthand the company's dedication to craftsmanship.

Sustainability remains at the core of Multi Bintang's operations. "Sustainability is central to our operations, as we believe long-term success comes from doing business responsibly, for both people and the planet," Bala said.

The company has hit noteworthy environmental markers, with water-balanced processes among its achievements. "Last year, we achieved a significant milestone — fully water-balancing our operations, meaning we replenish 15 liters of water to the local watersheds for every liter of beer we sell," Bala noted. Multi Bintang has also implemented renewable energy solutions, using rice husks to fuel its brewing process since 2018 and recently installing solar panels at both breweries to further reduce fossil fuel dependency.

Moreover, community engagement complements these environmental initiatives. "On the social pillar, we empower communities through 316 waste banks and waste management units near our breweries, engaging 14,000-plus

households and managing 187 tons of waste," Bala said.

Looking ahead, the company envisions greater potential for deeper collaboration between Japan and Indonesia. "Our shared focus on innovation and quality opens more opportunities for collaboration between Multi Bintang Indonesia and the Japanese community," Bala concluded.

The company likewise extends a warm invitation to Japanese visitors interested in exploring the craftsmanship behind Heineken, Tiger and Bintang, further strengthening the cultural and economic ties between the two nations. ■

[www.multibintang.co.id](https://www.multibintang.co.id)



### JAPEX deepens roots in Indonesia with focus on decarbonization and energy security

Japan Petroleum Exploration Co. Ltd., a leading player in Japan's energy sector, is strengthening its long-standing presence in Indonesia, focusing on traditional upstream activities and cutting-edge decarbonization projects.

"JAPEX has over 50 years of experience in the upstream oil and gas business in Indonesia, where the country is one of our key focus areas overseas," said Tomomi Yamada, managing executive officer and president of Overseas Business Division II, highlighting the company's deep-rooted commitment to the region. He emphasized that JAPEX is actively pursuing projects with a strong thrust in collaborative partnerships.

A key initiative in JAPEX's strategy is the Sukowati Carbon Capture, Utilization and Storage (CCUS)/Carbon Dioxide-Enhanced Oil Recovery Project.

The Sukowati project is one of JAPEX's carbon neutrality-oriented



**Tomomi Yamada,** Managing Executive Officer and President of JAPEX's Overseas Business Division II  
JAPEX

projects in Indonesia which are acknowledged as part of the AZEC (Asia Zero Emission Community) initiatives," Yamada explained. This project and the Limau Bioenergy

with Carbon Capture and Storage (BECCS) Project demonstrate JAPEX's dedication to innovative solutions. The former is a project where we can leverage our experience through operations in Japan."

"We expect it to contribute to economic growth and decarbonization," he added, emphasizing the project's dual benefits. On the Limau BECCS Project, a collaboration with the Pertamina Group and Marubeni Corp., Yamada expressed hope that "it will be the first BECCS example in Southeast Asia," aiming for carbon negativity through a unique synergy of forestry and upstream businesses.

Yamada also spoke about JAPEX's alignment with Indonesia's energy transition strategy. "There is high compatibility between Indonesia's national policy, which prioritizes energy self-sufficiency to support the lives of Indonesian people and JAPEX's medium-term management plan," he said. He further emphasized that

"our pursuit of contributions to Indonesia's energy transition has already begun."

After citing the company's collaborative efforts with SKK Migas and the Pertamina Group, Yamada also explained that sustainability is a key pillar of JAPEX's operations.

"One of the core aspects of sustainability in the energy sector — a stable energy supply — is JAPEX's mission," he said, highlighting the potential of JAPEX's carbon capture and storage/CCUS technologies to play a crucial role in helping Indonesia meet its climate goals.

"For Indonesia, where fossil fuels currently account for a high proportion of the energy mix, our expertise can make a significant contribution to help control greenhouse gas emissions and fulfill its Nationally Determined Contribution targets," he concluded, reaffirming JAPEX's commitment to responsible energy development in Indonesia. ■

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### From local to global: IDXCarbon's growing impact

Indonesia aims to cut carbon emissions by 2030 and achieve net zero by 2060, requiring proactive efforts from both institutions and individuals to build a climate-conscious society.

Launched in 2023, the Indonesia Carbon Exchange (IDXCCarbon) facilitates carbon credit trading, striking a balance between innovation and market participation to contribute to the country's sustainability goals.

Since its launch, IDXCCarbon has been positively received, as shown by its growth.

"At the time (2023), we just had 16 participants, and now we have 110. We also only had three projects listed, and now we've doubled to seven projects and expect to list more," said Iman Rachman, CEO of IDXCCarbon and president director of the Indonesia Stock Exchange (IDX).

The exchange's two-year growth is significant, and it's positioned for

further expansion with its recent opening to the international market. "This year we can now do international carbon trading and have foreign buyers. This is a milestone for us," Rachman said.

In contributing to Indonesia's sustainability initiatives, IDXCCarbon leverages its unique platform.

"Our competitive edge is that we are part of the IDX, and we have a captive market of 951 companies with investors who are pushing toward companies pursuing environmental, social and governance initiatives," Rachman said. The exchange also provides companies with a chance to offset their emissions by becoming carbon buyers.

IDXCCarbon aims to be more than just a marketplace. It seeks to become a key institution for funding green projects, with Japan as a potential partner.

"We are hoping to meet Japanese



**Iman Rachman,** CEO of IDXCCarbon and President Director of the Indonesia Stock Exchange  
IDX

companies to raise funding for green projects," Rachman said.

Japanese companies in Indonesia can also become buyers within the exchange.

"They can be both suppliers of projects and buyers of carbon credits, benefiting IDXCCarbon and helping the Indonesian government reach its net-zero target."

On a solid growth trajectory, IDXCCarbon is embracing more opportunities to grow and innovate.

"We really accept any assistance — whether in funding, technology or collaboration," he said. "We are very happy to exchange information and knowledge to strengthen our market in the region."

With ongoing partnerships, including with the Tokyo Stock Exchange, IDXCCarbon is positioning itself as a key player in the global carbon market. ■

[www.idxcarbon.co.id](https://www.idxcarbon.co.id)



### Empowering Indonesia's future: Hitachi Energy's strategic partnerships



Indonesia's G20 showcase, the Nusa Penida microgrid project. HITACHI ENERGY

Hitachi Energy has been a key player in Indonesia's power infrastructure development for nearly five decades. Predrag Grupkovic, country managing director of Hitachi Energy (Indonesia), shares his insights into the company's strategic collaborations and contributions to the nation's energy transition.

**Bridges: Hitachi Energy has a long-standing presence in Indonesia. Could you share some key milestones and explain how your collaboration with the Ministry of Energy and Mineral Resources has shaped your strategy?**

**Grupkovic:** Our journey, which has been lasting for 50 years, includes establishing a high-voltage equipment factory and a global software

development center in Bali. We've strengthened Indonesia's grid with key substations, including digital substations for PLN (Perusahaan Listrik Negara) East Java and East Kalimantan. Crucial energy transition projects, like deploying microgrids to enable the supply of renewable energy to the remote islands of Eastern Indonesia, such as Semaui and Selayar, and the Nusa Penida, Bali, project for the 2022 G20 Summit, highlight our commitment.

We also connected the Rantau Dedap geothermal plant to the grid and supplied gas insulated substations for the Nusantara Capital City project, contributing to its sustainable energy future. Our 2023 letter of intent with the Ministry of Energy and Mineral Resources and the

subsequent MOU (memorandum of understanding) related to the islands' interconnection study are pivotal. These initiatives address the challenges of Indonesia's archipelago, aiming to create a "green-enabling super grid" to transmit renewable energy efficiently, supporting Indonesia's 2060 net-zero goals.

**The recent MOU with Pertamina New & Renewable Energy marks a significant step. Can you elaborate on the main objectives and their potential impact?**



**Predrag Grupkovic,** Country Managing Director of Hitachi Energy (Indonesia)  
HITACHI ENERGY

We have worked with Pertamina for many years and recently implemented a digital load dispatching center in two Pertamina plants. The signing of an MOU with Pertamina NRE, the nation's largest state-owned energy company, focuses on innovation and technology in energy conservation and electric power systems. The idea is to produce electricity from renewable sources for Pertamina's consumption and support the PLN grid.

**As Indonesia moves toward a sustainable energy future, how is Hitachi Energy leveraging its expertise, and what opportunities do you foresee?**

The shift to clean energy sources requires new, cutting-edge technologies with power electronics and digital as the main components. It also requires a large pool of new talent, which the industry must attract to help drive the transition to a low-carbon future. Hitachi Energy is nurturing all of that and will certainly continue to partner with academia to build and shape talent on the path to a net-zero economy. ■

[www.hitachienergy.com](https://www.hitachienergy.com)