

Press Release

Krakatau Daya Listrik Develops Business for Solar Panel Generator to Support Government Targets in New and Renewable Energy

Chandra Asri Group's subsidiary, Krakatau Daya Listrik, has succeeded in reducing carbon emissions by 561 tons of CO₂/year through the initiation of solar panels.

Jakarta, September 18th, 2023 – PT Krakatau Daya Listrik (KDL), a majority-owned subsidiary of the Chandra Asri Group in the infrastructure sector, has succeeded in developing business for solar panel generator development business with four different mechanisms as an effort to provide new and renewable energy solutions. The company has succeeded in installing solar panels in various projects, including industry and retail, with a total new and renewable energy electricity capacity reaching to **958 kWp** and it is targeted that the solar power plant project will reach 3 MWp in 2023.

The successful construction of solar panels, both for customers and in the business area itself, **can save electricity consumption by up to 40%/year, as well as reduce carbon emissions by up to 561 tons of CO₂/year**. This innovation is one of KDL's efforts to contribute to the government's efforts to achieve new and renewable energy targets in accordance with Presidential Regulation (PERPRES) Number 112 of 2022.

Nandang Hariana, President Director of Krakatau Daya Listrik, said, "We are committed to give solutions in providing more environmental friendly electrical energy through various innovations. By developing our four solar panel mechanisms, we have provided new renewable electrical energy solutions for industry and retail such as housing while supporting the Government in encouraging the use of new and renewable energy."

KDL has four mechanisms for installing solar panels, including:

- **Solar On Grid System** integrates solar panels with the electricity grid, allowing the energy produced to be channeled directly through the electricity grid without requiring batteries as backup storage.
- **Solar Off Grid System** operates independently without connection to the electricity grid, requiring energy storage in batteries for use based on battery capacity.
- **On Grid with Battery Back-Up System**, where solar panels supply energy to the electricity grid and store excess energy in batteries as a backup when the sun is not shining.
- **Solar Hybrid Systems** combine multiple energy sources to meet a building's electricity needs and enable integration between different systems. With these various options, KDL can provide solar panel installation solutions that suits customer needs.

KDL's flagship projects include *Rooftop Photovoltaic (PV)* installations which can also be used in housing as well as *Ground-Mounted PV* and *Floating systems*. The naming of these solar panels refers to the location where they are installed, for example, solar panels on the rooftop (roof),

ground (ground) and float (floating). Internally, the Company has succeeded in installing solar panels in several important locations, such as the 150 kV Main Transfer Station building, parking area, and TMS workshop area, with a total capacity of more than 400 kWp. Externally, the Company has contributed through Rooftop Photovoltaic (PV) in the PT Krakatau Steel's technology building and *Coil* PT Krakatau Pipe Industries' Coil Warehouse.

The company also plans to start the Floating PV project at PT Krakatau Tirta Industri's Krenceng Reservoir, which will begin Phase 1 construction in 2024 with a capacity of 9.6 MWP and continue to the next phase until the total reaches 32 MWP. All these initiatives reflect KDL's commitment to contributing to the development of sustainable new and renewable energy sources and playing a role in reducing environmental impacts.

"This renewable energy source will later become the main choice for the power generation industry because of its sustainable nature. Renewable energy relies on unlimited natural resources, such as sunlight for solar power plant. This shows that renewable energy has long-term advantages in maintaining the availability of sustainable energy sources. Krakatau Daya Listrik is committed to continuously innovating to provide comprehensive solutions for new and renewable energy." **closed Nandang.**

Chandra Asri acquired KDL at the beginning of 2023 for 70%, which confirms Chandra Asri's commitment to excel in business by expanding to the infrastructure sector. This will certainly bring benefits to stakeholders and also support the government's target in achieving New and Renewable Energy targets.

About Chandra Asri

Chandra Asri Petrochemical is Indonesia's largest integrated petrochemical company producing olefins and polyolefins. With a history of 31 years and over 2000 dedicated staff, the company incorporates state-of-the art technologies and supporting facilities located strategically in the country's petrochemical hub, Cilegon and Serang. As a Growth Partner, Chandra Asri is committed on creating high-value jobs, expanding the domestic petrochemical value chain, and serving the needs of the vibrant and growing Indonesian market. Chandra Asri is currently expanding its portfolio in the energy sector and incorporating its asset as well as operational infrastructure to supports the expansion plan of the second world-scale integrated petrochemical complex in Indonesia, CAP2. For more information, visit: www.chandra-asri.com

About Krakatau Daya Listrik

Krakatau Daya Listrik (KDL) is a subsidiary of the Chandra Asri Group in the Infrastructure sector, especially in the provision of electrical energy, with three main focuses, namely Electricity Generation, Electricity Services, and New Renewable Energy. The power generation capacity owned by KDL is 120 MW with Gas and Steam Power Plant (CCPP) technology and is interconnected with state-owned electricity network. KDL supplies the electricity needs of industrial customers in the Krakatau Industrial Area, businesses and housing around its business area. Chandra Asri has acquired 70% of Krakatau Daya Electric (KDL) shares in the first quarter of 2023.

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