

What is EE potential in Indonesian industrial sector?

Tracking and unlocking EE potential in Indonesian industrial sector The industrial sector has been a key driver of the growth in Indonesia energy demand. The largest industry sub-sectors in Indonesia contributing to total energy consumption are machinery and transportation equipment, followed by food, beverages and tobacco.

How technology development is affecting the energy sector in Indonesia?

Innovations for a low-carbon economy and carbon neutrality are the focal points of technology development in the energy sector. This paper aims to investigate the progress of technology and advancements in the energy sector and the implications for Indonesia via two routes, viz., renewable energy and energy efficiency.

How TDI is affecting the energy sector in Indonesia?

TDI has a profound implication to energy sector in Indonesia namely in the power transmission and distribution through the disruptive smart-grid technology, low-carbon and energy efficient steel industry and the energy storage through batteries.

Why is technology important in Indonesia?

Many companies have made efforts to adopt new technologies and this provided information in terms of technology capability and its applications. In Indonesia, securing the primary energy supply is critical to providing sufficient and affordable electricity.

Which industry consumes the most energy in Indonesia?

y3.1.1 Historical production and consumption The iron and steel industry is the largest energy-consuming industry in Indonesia, accounting for more than 9% of industrial final energy consumption in Indonesia in 2021 (BPS 2022). Globally, Indonesia is the sixteenth largest

What factors support Industry 4.0 technologies in Indonesia?

From the conceptual model, it can be concluded that the key variables to support Industry 4.0 technologies in Indonesia is the share of industry technology investment itself.

According to the 5th ASEAN Centre for Energy (ACE) energy outlook, in the absence of enhanced EE, between 2015 and 2040, total primary energy supply (TPES) will more than double in Indonesia. Against the background of the energy demand challenge, more EE policies and technology should be adopted to extract the energy-saving potential.

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IESR is pleased to present IETO 2024, which documents the progress of the energy transition in the power, industry, transportation, and building sectors and their enabling environment: policy, regulation, finance, clean technology ...

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The report, titled "Turning Challenges into Industrial Solutions: The New Era of Industrial Policy," commends Indonesia for pursuing a green industrial policy in manufacturing and services....

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Indonesia, as the largest energy consumer in South-East Asia 84 and a source of rising energy demand, holds the key to effective energy transition in the region and ranks 55 out of 120 countries on the ETI 2023. The country has improved its ETI score by almost 14% since 2014, with the biggest improvement in transition readiness (55%), supported ...

The output indicator that will be used are the GDP of Indonesia, Industrial Productivity, and Industry Energy Consumption which including Renewable Energy (RE) ratio and accumulated industry energy efficiency, to determine whether the models achieve the desired parameters of sustainable industry development.

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This in-depth study, conducted jointly by the Lawrence Berkeley National Laboratory and the Institute for Essential Service Reforms (IESR) of Indonesia developed sector-specific roadmaps for deep decarbonization of five key industry sectors in Indonesia: iron and steel, cement, ammonia, pulp and paper, and textile industries, which are ...

Building and Industrial Applications Department Building Technology & Urban Systems Division Lawrence Berkeley National Laboratory LBNL-2001558 Industry Decarbonization Roadmaps for Indonesia: Opportunities and challenges to net-zero emissions Hongyou Lu, Stephane de la Rue du Can, Virginie Letschert, Hon Leung Curtis Wong, and Nan Zhou

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