



PT. Damar Alam Nirwana



COMPANY PROFILE

The Innovative Environmental Technology Initiator

We're a **Creative** Innovator in
Environmental Solutions.
a Modern Digital Environmental
with **the Best Expertise** in Bandung.



Constantly **Innovating**
for a **Better World**



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PT. Damar Alam Nirwana

PT. Damar Alam Nirwana is a forward-thinking company that develops **innovative solutions** to encounter **environmental challenges**.

Established in 2021, it focuses on **leveraging better alternatives** and consists of **experienced researchers** and **environmentalists**.

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**Let's Create
Pathways for
NZE to
Happen!**



Our Mission

Our Mission to become the leader of change toward a more sustainable future by providing groundbreaking initiatives and delivering cutting-edge technologies. Create innovative products to tackle environmental issues and provide real solutions (research-based) by implementing science and engineering on practical problems. As a leader it takes a leap to create.



We strive to **inspire positive change** and **drive innovation** in environmental stewardship through our relentless pursuit of sustainable solutions.



Do you know about Net Zero Emission 2030 ?

Coal is a fossil fuel that plays an essential role in various sectors, for example, power plants, the metal industry, the textile industry, the cement industry, the pharmaceutical industry, and various other industries that use steam power because it is considered very effective and efficient starting from its availability: abundant, easy energy conversion process, and the large amount of energy produced. However, behind coal's function, competitive pricing and availability energy production, many risks and negative impacts arise from utilization into the environment and society.



“**No Coal, How do We Survive ?**”

Apart from the board utilization of coal, coal is not a sustainable energy source and will run out in terms of availability on earth, including in Indonesia, which has abundant coal resources. Therefore, to maintain energy sustainability in Indonesia. The government has committed to join paris agreement and begun to aggressively develop policies, strategies, and trials of renewable energy to achieve zero coal and Net Zero Emission (NZE) by 2030. Since the negative impact causes are more likely to distract the living existence due to carbon footprint.

Looking at these consideration, stakeholders in Indonesia understand that the energy transition is an initial step that must be taken.



How do we mitigate the economic impact on industries reliantcy on coal during the transition to renewable sources ?

That is reason our presence as a solution to achieve the energy transition goals in Indonesia, especially for private sectors & medium-sized industries. The we present **Damar Biocubes**, as our first innovation. We believe **Damar Biocubes** would answer the recent issues of having no option to facilitat-ed energy transition through optimized calorific values, less impurities and competitive pricing.



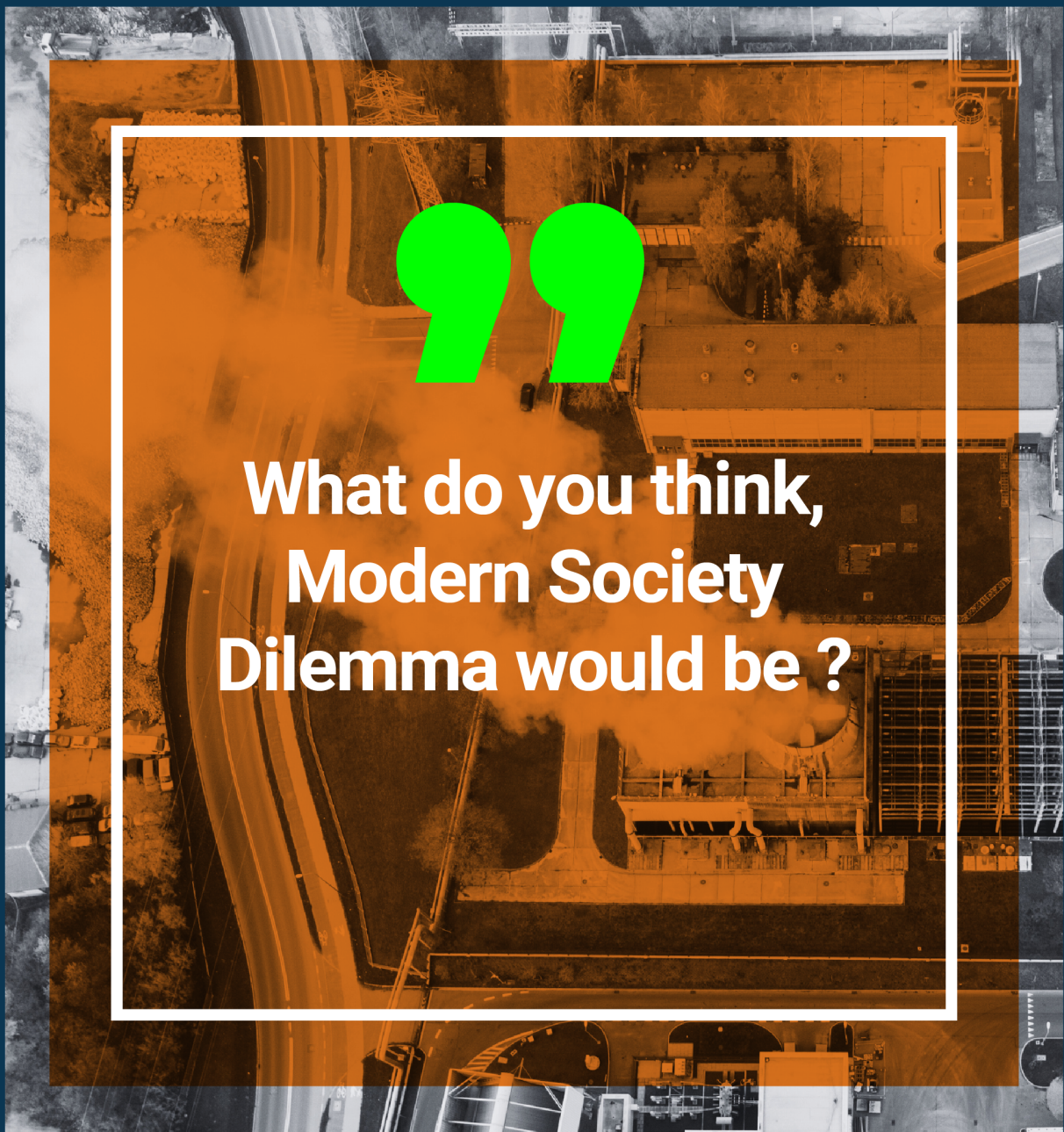
Dependence on coal and limited access to renewable source have become problem for private sector & medium-sized industries.



Damar Biocubes is an alternative solution to facilitated of renewable transition that is more environmental friendly.

How Modern Society Lives?

The current era has seen a significant increase in the use of technology in daily life. While these advances bring numerous benefits, they also pose several challenges. Some of the background issues attracted our attention to provide innovation and solutions to environmental problems and challenges in Indonesia.



Our Services

Innovation Unleashed : **Empowering Indonesia with Renewable Energy Solution**



Damar Biocubes

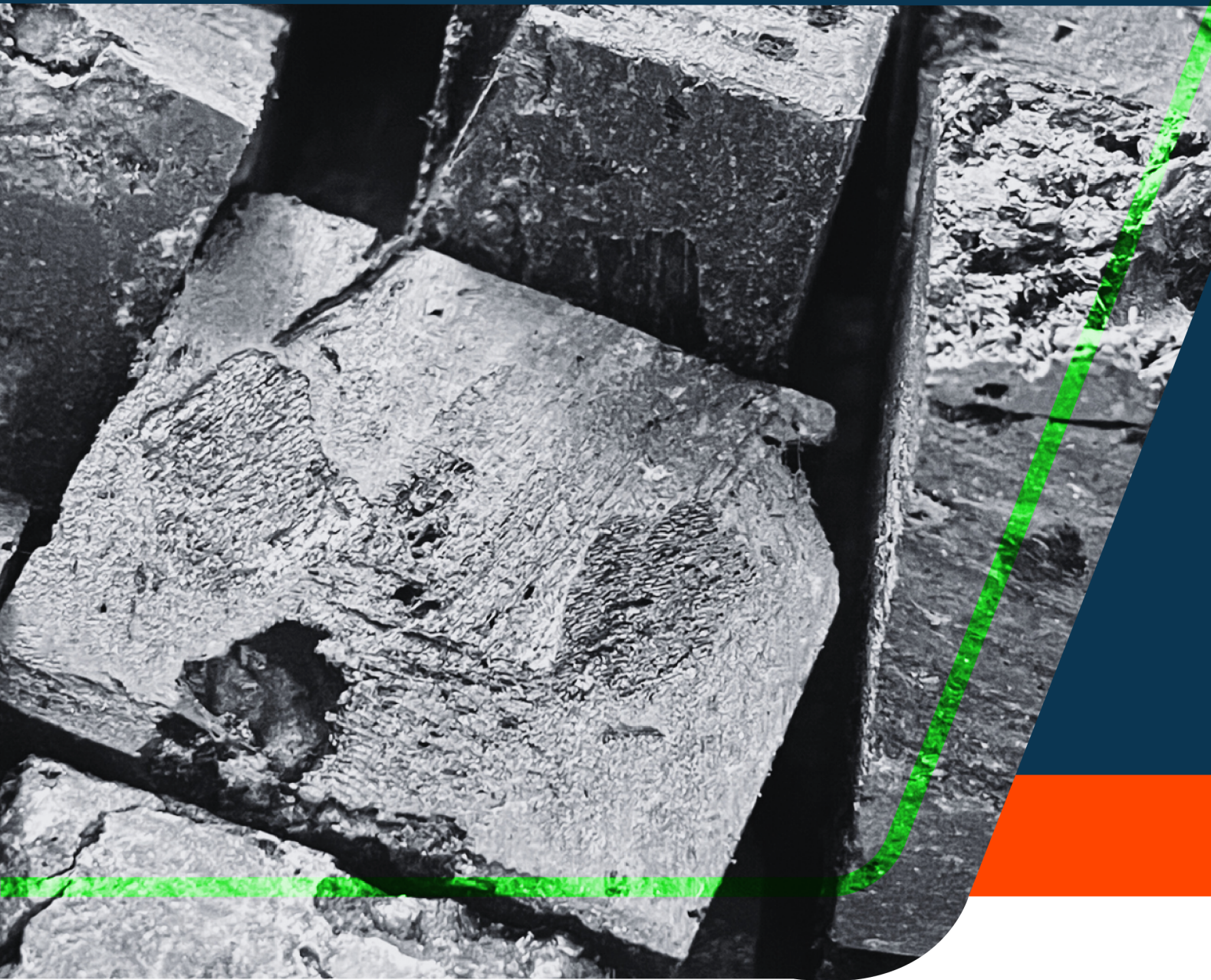
Damar Biocubes are biomass originating from mass solid waste (MSW) that has been processed to become an alternative fuel to replicate coal. With technological innovation in the formation process, Damar Biocubes could compete due to its high caloric value, low emissions, and guaranteed sustainability.



The innovative Environmental Technology Initiator

Energy can neither be created nor destroyed, Energy can be transformed into another form.

- "J.P. Joule"



Damar Biocubes

Our innovation addresses the problem of waste piles in Indonesia, where the population is the 4th largest in the world. There is a potential for uncontrolled waste accumulation, in fact many final landfills are overcapacity, and the energy transition, must be implemented gradually, as it would result challenge for many industries, particularly private sectors & medium-sized businesses.



For this reason, **Damar Biocubes offers a solution for better waste management and energy transition.**

How can Damar Biocubes be the latest solution to environmental and industrial problems?

Solving the Mass Solid Waste Problem

The production process of Damar biocubes that use Massa Solid Waste as a raw material can be the initial solution to solve overcapacity landfills (TPA).

Massive Resources

Mass Solid waste as the raw material of Damar Biocubes has unlimited availability and high accessibility.

Clean Energy

Lower emissions, cleaner, and environmental friendly compared to coal.

Cleaner and Less Residual Ash

Residual ash from Damar Biocubes combustion process is less than coal combustion process.

Long Firing Test Compared to Coal

High energy density increases the firing time of damar biocubes compared to coal firing time.

Customizable Sizes and Shapes

In accordance to the client demands base on their instaled equipment.



THE INNOVATIVE ENVIRONMENTAL TECHNOLOGY INITIATOR

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