HUSK.
Power Systems

Prosperity

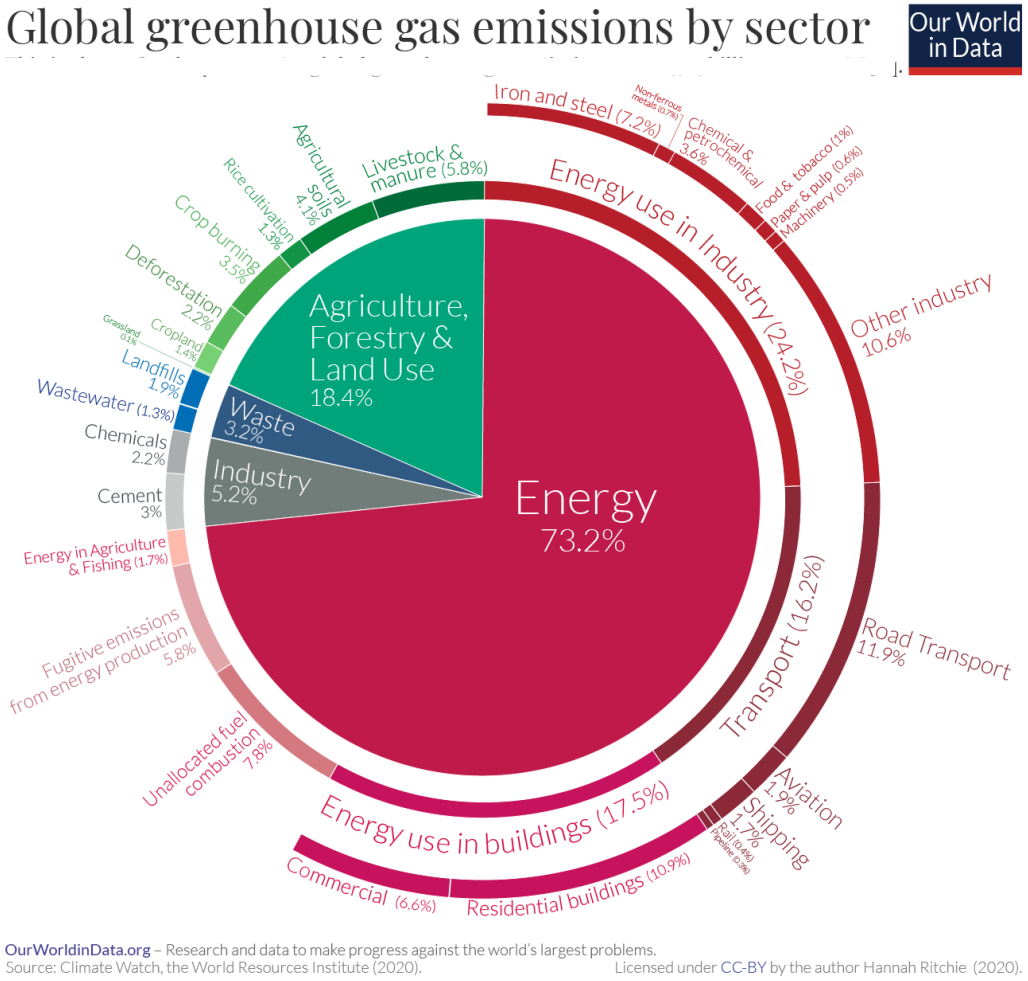
Energizing Net Zero Power Grids

Power

Innovation

Global Carbon Footprint

The journey to net zero has always been a difficult one as it comes with its attendant challenges, businesses have been heavily dependent on fossil fuels, some economies are still largely driven by fossil fuel for energy generation.
World data reports that 73.2% of world carbon emission are generated through energy. This covers the entire energy ecosystem, power and transportation majorly.
Investments into renewable energy sources are the core energizing factors giving life to Net Zero Power Grids. This can have a significant impact on carbon footprints and emissions.



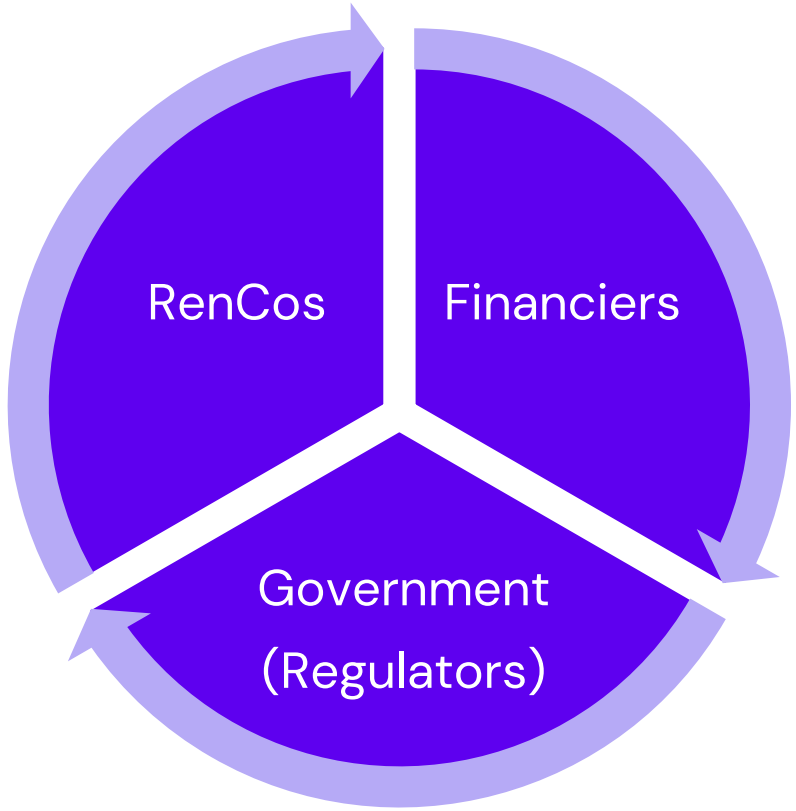
Energizing Net Zero Power Grid: Key Factors

- Policies and Financing that drive low carbon energy sources, such as those provided by renewables.
- Drastically lowering energy consumption by using highly energy-efficient systems.
- Offsetting any remaining carbon (Carbon Credits).

Policies & Financing

Policies and financing is a three-tiered relationship between the government, RenCos and Investors.

- Governments are tasked with making policies that creates the conducive environment for RenCos to thrive and do business with minimal bottlenecks.
- RenCos naturally bring the technical resources, manpower, financing and other resources to deploy. The RenCos also have the task of ensuring that their business model is profitable in the long run, and worth the investments that come in.
- Investors are also tasked with financing as the challenges faced by RenCos are mostly a case of financing than skill or human resource to build their systems.



Lowering Consumption with Energy Efficient Appliances

Energy efficiency speaks to the implementation of systems and methodologies that allow measuring and optimizing of energy efficiency.
This is largely driven by technological advancement borne out of years of research and findings by OEMs.
Energy efficiency is now a competitive advantage as the consciousness and awareness of people are drawn to energy cost.
This also helps to curb energy wastage, improves energy availability which is very important for energy distribution to underserved or off-grid areas.
Renewable energy systems lifespan last longer with highly energy efficient appliances. For industrial scale energy efficiency needs to be factored by analyzing energy input and output.

Energy Efficiency Formula:

$$\frac{\text{Energy Output}}{\text{Energy Input}} \times 100 = \%\ \text{Efficiency}$$

Husk has developed technologies that are energy efficient with our Biomass gasifier which generate a 360-value system where rice husks are used to generate power and the waste from these rice husks are used in making incense sticks which generates revenue for the business. This speaks to economic and technological efficiency.

Carbon Credits & Grants

Carbon credits is an incentivized system of encouraging RenCos to intensify their efforts while the effects of greenhouse gases.

This helps most RenCos to scale their operations and services. RenCos need to generate more results. Renewable energy is the most guaranteed to provide net zero power across the globe. The business is usually capital intensive, profitability takes longer than most business as such it may start off as a social enterprise before it becomes a profitable venture.
Grants and subsidies are also key factors that can accelerate the adoption of green energy for the attainment of net zero.

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Thank you

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