

	ENVIRONMENTAL MANAGEMENT SYSTEM TOGETHER WITH NATURE	Document Name	Policy
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ENVIRONMENTAL MANAGEMENT SYSTEM POLICY

Together With Nature

As the world struggles to address the challenges brought about by climate change and the energy scarcity that must be faced because of the depleting traditional energy resources, sustainable and renewable energy solutions emerge as a more urgent need than ever. The fairest approach to meeting this need is to generate energy together with nature by utilizing the infinite resources most efficiently.

At INTEC ENERGY, we believe that we can lead the way toward an energy management system, which is ecologically responsible and economically viable, by leveraging the power of systems that favor nature and natural resources.

Solar Power

Solar energy is generated from solar radiation, the energy flow transmitted by the sun in electromagnetic waves at different frequencies, and has great potential as a clean and abundant natural energy resource. Solar panels consisting of photovoltaic (PV) cells directly convert sunlight into electricity with photovoltaic effect. The widespread use of solar panels has been growing in recent years, driven by lower panel production costs, more efficient process and technological developments.

A striking characteristic of solar energy is its scalability and versatility, meaning that solar energy may be generated in different scales, from roof installations in houses to acres of solar farms. Besides, solar panels may be conveniently installed on buildings and even vehicles, offering new opportunities for sustainable and clean energy generation.

In addition to reducing our dependence on fossil fuels, solar energy also supports humankind in addressing many environmental issues, from air pollution to reducing carbon emissions. Solar energy systems require less maintenance compared to other systems. Solar power plants have long lifespans and are nature-friendly with the capability to generate electricity in remote locations far from residential areas. Solar power plants, which may facilitate the access of underserved communities to energy, also contribute to rural development.

Storing Energy: Solutions for Tackling Supply Distributions

Storage technologies offer a rational solution to the problems faced in energy supply continuity from sun. Battery storage, compressed air storage, and other innovative solutions can be used to store excess energy during peak generation times, ensuring uninterrupted energy supply by diverting the stored energy to the grid during low generation times. Energy storage systems also make it easier to integrate the energy generated by solar power plants into the existing electricity grids.

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