GEODYN™
SOLUTIONS

UNLOCKING THE FUTURE OF SUSTAINABLE ENERGY: GEODYN SOLUTIONS' INNOVATIVE 250MW MOBILE POWER PLANTS

www.geodynsolutions.com

EXECUTIVE SUMMARY

In today's fast-paced world, where energy demands are skyrocketing and sustainability is a global imperative, Geodyn Solutions is at the forefront of revolutionizing power generation. As a leading provider of mobile power plants, we're proud to introduce our proprietary modular technologies designed to deliver reliable, efficient, and eco-friendly energy solutions. Partnering with top experts in data-driven energy optimization, Geodyn is empowering communities and industries with flexible systems that not only meet immediate power needs but also pave the way for a greener tomorrow. Discover how our 250MW mobile power plants, featuring dual-fuel capabilities, advanced heat recovery, AI analytics, and blockchain integration, are transforming the energy landscape for optimal ROI, environmental benefits, job creation, and economic growth.

CUTTING-EDGE PROPRIETARY TECHNOLOGIES FOR UNMATCHED FLEXIBILITY

At Geodyn Solutions, innovation starts with our aeroderivative gas turbine technology—specifically, Geodyn and our partner's proprietary dual-fuel Gas Turbine Generator Sets (GTGS). These state-of-the-art units are engineered for versatility, running seamlessly on LNG or diesel to adapt to varying fuel availability and market conditions. This dual-fuel flexibility ensures uninterrupted operation, making our systems ideal for regions facing energy volatility or transitioning to cleaner fuels.

Our mobile plants are configured as trailer-mounted or containerized units, enabling rapid deployment in just 45-75 days. The optimized design uses approximately five GTGS units (each delivering around 30 MW), providing a robust 150 MW base output in simple cycle mode. But we don't stop there—integrated Heat Recovery Steam Turbine (HRST) for combined cycle operation and Organic Rankine Cycle (ORC) systems capture waste heat, boosting overall efficiency to an impressive 58%. This means reduced fuel consumption by up to 35% per MWh, translating to lower costs and a smaller environmental footprint.

HARNESSING AI AND BLOCKCHAIN FOR PEAK EFFICIENCY AND ROI

What truly sets Geodyn's solutions apart is the seamless integration of AI-driven analytics and blockchain technology. Our AI systems, powered by our strategic partner's expertise, provide real-time demand forecasting, predictive maintenance, and fuel optimization. By analyzing sensor data from turbines and heat recovery units, AI adjusts operations dynamically, minimizing downtime and maximizing performance—achieving over 99% availability in deployments.

Blockchain adds a layer of transparency and security, logging energy production, emissions data, and financial transactions in an immutable ledger. This not only streamlines compliance with environmental standards but also facilitates smart contracts for Power Purchase Agreements (PPAs) and carbon credit trading. The result? Superior ROI—up to 63% annually—with a payback period as short as 1.6 years. For businesses and governments, this means predictable returns while advancing sustainability goals.

ENVIRONMENTAL BENEFITS:
POWERING A GREENER PLANET

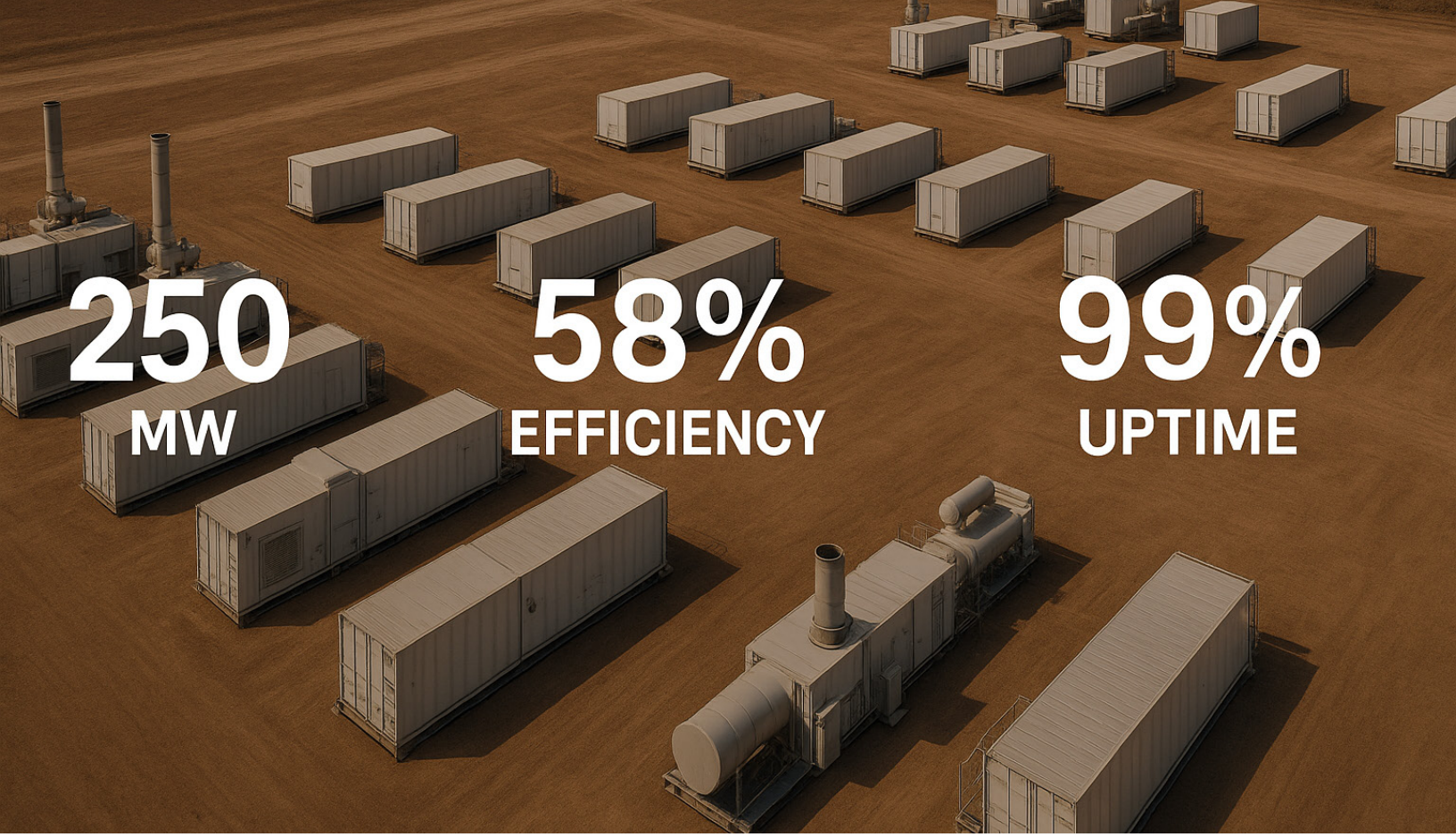
Sustainability isn't just a buzzword at Geodyn—it's embedded in our DNA. Our dual-fuel systems produce significantly lower emissions: CO_2 at ~0.98 kg/L fuel equivalent (a 37% reduction per MWh), with 10% lower NOx, 88% lower particulate matter (PM), and zero SOx. By prioritizing clean LNG and maximizing waste heat recovery through HRST and ORC, our plants align with global green initiatives, helping clients meet renewable energy targets and qualify for emissions trading systems.

This eco-friendly design reduces reliance on fossil fuels, supports intermittent renewables like solar and wind, and contributes to a lower carbon footprint—all without compromising reliability.

DRIVING ECONOMIC GROWTH AND COMMUNITY IMPACT

Geodyn's mobile power plants do more than generate electricity—they spark economic vitality. By providing stable, affordable power, we fuel industrial growth, tourism, and urban development. Our systems create opportunities for local employment during construction and operation, with training programs in AI, blockchain, and energy management building skills for the future workforce.

Economically, the numbers speak for themselves: annual revenues of $260.61 million, with 15-year cumulative net profits exceeding $3.195 billion. This drives GDP growth through energy security, reduced import costs, and enhanced infrastructure—proving that sustainable energy is also smart business.



WHY CHOOSE GEODYN SOLUTIONS?

- IN AN ERA OF ENERGY UNCERTAINTY, GEODYN SOLUTIONS DELIVERS CERTAINTY. OUR PROPRIETARY 250MW MOBILE POWER PLANTS WITH DUAL-FUEL GTGS, HRST, ORC, AI, AND BLOCKCHAIN INTEGRATION OFFER UNMATCHED EFFICIENCY, FLEXIBILITY, AND ROI. WHETHER YOU'RE A UTILITY PROVIDER, INDUSTRIAL OPERATOR, OR GOVERNMENT ENTITY, OUR SOLUTIONS EMPOWER YOU TO MEET GREEN GOALS WHILE BOOSTING YOUR BOTTOM LINE.

READY TO ENERGIZE YOUR FUTURE?

CONTACT GEODYN SOLUTIONS TODAY FOR A CUSTOMIZED CONSULTATION AND DISCOVER HOW WE CAN TAILOR OUR INNOVATIVE TECHNOLOGIES TO YOUR NEEDS.

EMPOWERING COMMUNITIES, ENERGIZING FUTURES

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