



## Orient Energy Systems



## SUCCESS STORIES

### Milestone Achieved: 17.3 MW Solar Project Contract Signed with GTML

We are honoured to announce the successful signing of a contract for 17.3 MW rooftop solar project with Gul Ahmed Textile Mills Limited (GTML). This project represents one of the largest rooftop solar installations in Pakistan. Utilizing the latest HJT (Heterojunction) technology, it ensures enhanced yield, greater efficiency, and reduced annual degradation. This is reinforcing GTML's commitment to sustainable energy solutions.

This project is a significant milestone in our journey toward delivering efficient and sustainable energy solutions. With a capacity of 17.3 MW, it will substantially lower GTML's carbon footprint, exemplifying their dedication to environmental stewardship and corporate responsibility.

By embracing solar energy, GTML is not only reducing energy costs but also making a vital contribution to a cleaner, greener planet.



## Pioneering Sustainability: Pakistan's Largest Captive Hybrid Project

We are thrilled to announce a groundbreaking milestone in renewable energy—Pakistan's Largest Renewable Hybrid Project. Lucky Cement Limited successfully commissioned a 28.8 MW Captive Wind Power Project along with a 31.5 MW Solar Power Project at our Karachi Plant. This initiative features the nation's tallest and most powerful wind turbines, setting a new benchmark for renewable energy excellence.

At OES, we take pride in being Pakistan's only company capable of delivering fully integrated captive power solutions by combining Wind and Solar energy, paving the way for a sustainable future. With over three decades of expertise, our engineering marvels continue to set standards in the industry, supported by our unwavering commitment to service excellence and reliability.

OES delivered a seamless, fully integrated solar and wind energy system precisely tailored to meet Lucky Cement's energy needs. The project includes a microgrid that controls and monitors solar, wind, and other plant sources, along with a comprehensive EBOP covering essential electrical infrastructure. As the only company in Pakistan offering turnkey hybrid energy solutions, OES remains at the forefront of innovation and sustainability.

to the captive industry, OES is proud to drive innovation in sustainable energy and support Lucky Cement Limited in paving the way toward a greener future.



## OES Partners with Imtiaz Super Market for Reliable Power Solutions

We are pleased to announce a successful partnership with Imtiaz Super Market, Pakistan's leading retail chain, to provide reliable power generation solutions across multiple locations. Following a highly competitive bidding process, OES secured the contract by aligning on flexible terms, competitive pricing, and maintaining a strong focus on client needs.

This new agreement includes the installation of four 500kVA Cummins units (C550D5 models) at Imtiaz Super Market locations in Karachi and Multan, ensuring energy reliability across key outlets. With ready stock availability, OES has positioned itself as a reliable partner by offering rapid deployment and tailored solutions.



## Successful Completion of Water Softening Plant for Lucky Knits

Water softening plays a critical role in industries by reducing scaling, preventing corrosion, extending equipment life, and improving operational efficiency.

At OES, we specialise in delivering customised, high-quality water treatment solutions tailored to industrial applications. OES has recently completed a successful water softening plant project for Lucky Knits Private Limited.

The project involved the design, supply, installation, testing, and commissioning of a 16m<sup>3</sup>/hr x 2 capacity plant, achieving a remarkable reduction in water hardness from 500ppm to 0ppm. Delivered on schedule, the system has been running smoothly, consistently meeting all operational requirements.



## Successful Completion of Waukesha Engine Overhaul at PPL Adhi Field

To ensure maximum efficiency and optimal performance of engines, OES has successfully completed the overhaul of two Waukesha Gas Engines at Pakistan Petroleum Limited Adhi Field in Gujjar Khan.

This critical project, vital for maintaining the natural gas supply, had to be completed within a demanding 72-hour (3-day) deadline set by the customer. Although OES routinely performs overhauls of Waukesha engines, this task was uniquely challenging as it required back-to-back top overhauls (TOH) of two engines, necessitating exceptional time management and technical expertise.

Despite these constraints, OES successfully delivered the project on time, restoring the engines to full operation and ensuring uninterrupted gas supply. This achievement highlights our unwavering commitment to high-quality service, even under pressure and completion of time-sensitive projects with precision.



## Boosting Reliability: Preventive Maintenance at Lucky Renewables 50MW Wind Farm

OES brings its expertise to Lucky Renewables (50MW Wind Farm), delivering comprehensive preventive maintenance for the 132kV grid station.

Our team carried out inspections, testing, and servicing of critical components, including power transformers, circuit breakers, isolators, protection relays, and auxiliary systems. Key steps included:

- Planning and scheduling to minimize downtime
- Thorough inspection and cleaning of transformers
- Circuit breaker functionality testing and component replacement
- Protection relay accuracy checks and earthing system assessments

This annual maintenance enhances system reliability, reduces downtime, and extends equipment life across the power transmission network, supporting consistent and efficient energy delivery.



## OES and Shuangliang Set a New Standard in Sustainable Cooling Solutions for Sapphire Textile Mills

OES, in partnership with Shuangliang Group, proudly reaffirms our market leadership with the successful installation of a 400 RT Shuangliang Hot Water Absorption Chiller at Sapphire Textile Mills - Kotri. Integrated with two gas generators, this cutting-edge chiller showcases our commitment to delivering premium, fully integrated HVACR solutions.

Sapphire Textile Mills commitment to responsible innovation aligns seamlessly with our long-term vision for sustainable, high-efficiency energy solutions. This installation marks a key reference project for both OES and Shuangliang in the textile sector, embodying our shared dedication to environmentally responsible and high-performance systems.



## Successful ESM2 Upgrade for MOL Pakistan

ES is pleased to announce the successful ESM2 upgrade of two Waukesha Gas Engines 12V 275GL+ X 2 Enginators for MOL Pakistan Oil & Gas Co. B.V., covering the complete scope from supply and installation to testing and commissioning. The project was delivered on schedule, with the Enginators now operating smoothly. We share MOL Pakistan's commitment to service excellence, and we deeply appreciate their support throughout the process.



## A Commitment to Health Awareness with Indus Hospital

At OES, we recognise the vital importance of well-being and are privileged to collaborate with The Indus Hospital in their mission to promote free, high-quality healthcare for millions. Under the visionary leadership of Dr. Abdul Bari Khan, Indus Hospital has become a cornerstone for countless individuals, providing dignified care without discrimination.

During his engaging awareness session, Dr. Abdul Bari not only highlighted the significance of health but also shared his remarkable journey and the evolution of healthcare in Pakistan. His unwavering resilience has profoundly inspired our team, and at OES, we are dedicated to raising awareness and strengthening primary healthcare across the country. We pledge to continue our efforts towards fostering a healthier Pakistan.



## Cummins Powers Ahead with OES and CET Collaboration

We're pleased to announce that China Electric Power Equipment and Technology Co. Ltd. (CET), a key industrial partner, has once again chosen Cummins Power Generation (CPG) to fulfill their critical power requirements. This partnership underscores our shared understanding of the complex engineering and power generation needs within both local and international markets.

By aligning our technical expertise with CET's project demands, we were able to deliver solutions that meet the highest industry standards. This collaboration reflects our commitment to providing reliable, high-performance power solutions that drive success for our partners.

We look forward to continued growth and future achievements together.



## Celebrating a Milestone in Clean Energy with Yunus Textile Mills Limited



At OES, we are proud to partner with Yunus Textile Mills Limited (YTM) in our shared vision for greener energy. Together, we have successfully inaugurated YTM's 9.6MW wind turbines, marking a major milestone in clean energy and sustainability. This collaboration underscores a promise for a greener tomorrow and reflects our mutual commitment to creating a better world for future generations.

Installed in partnership with Orient Energy Systems Pvt. Ltd., these state-of-the-art wind turbines represent a significant step forward in achieving sustainable energy solutions. Our dedication to sustainability extends beyond business objectives—it's about making a meaningful impact on the planet and empowering future generations.

We celebrate this achievement as a testament to our collective efforts in driving innovation and fostering a cleaner, greener future.

## TRAINING AND DEVELOPMENT

### Empowering Excellence: Advancing Technical Training with Coca-Cola Export Pakistan

At OES, we harness the transformative power of technical training to empower teams, drive innovation, and achieve unmatched operational excellence.

Recently, our North team successfully completed Operation & Maintenance Training, which included hands-on PCC 3.3 training and component identification of the KTA 38 generator set (Cummins Inc.) at Coca-Cola Export Pakistan's plant near Raiwind city.

This collaboration underscores the critical role of technical training in ensuring effective resource management and reaching proficiency and performance goals, further reinforcing our commitment to delivering high-quality technical expertise



## CORPORATE SOCIAL RESPONSIBILITY (CSR)

### Spreading Warmth This Winter: CSR Initiative at Saifullah Village and Natha Goth

In a heartwarming gesture to support local communities, the team at the 50MW ZPL Wind Power Plant in Gharo conducted a Corporate Social Responsibility (CSR) initiative focused on winter relief. Essential winter supplies, including blankets, winter jackets, and mattresses, were distributed to 50 homes in the nearby villages of Saifullah Village and Natha Goth.

This initiative aimed to provide comfort and protection against the harsh winter months to families in need, aligning with our commitment to enhancing the well-being of the communities we serve.

Through this effort, we hope to have made a meaningful impact, spreading warmth and compassion while reinforcing our bond with the local communities around our operations.

