



Orient Energy Systems (Pvt.) Ltd.™



DIVERSE PORTFOLIO

DENAIR

With immense pleasure, we would like to announce that OES is now an authorized distributor of DENAIR Energy Saving Technology (Shanghai) PLC., who are one of the top leading exporting Chinese manufacturing brand, promoting Sino German joint venturing based Technology air compressors all over the world.

The efficiency and life of DENAIR Energy Saving Technology (Shanghai) PLC. is much better than many prevailing brands resulting in saving of electricity and ultimately the operating cost.



LIEBHERR

We are pleased to inform that OES is now an official distributor of world renowned Liebherr Earthmoving Equipment, including bulldozers, wheel loaders, excavators, pipe-layers, excavators and dump trucks etc. for Pakistan.

Liebherr Appliances is one of the top ten manufacturer in the world having manufacturing plants in Germany, France, Austria, China, Brazil and Russia. OES also offers Liebherr mobile cranes, level luffing cranes and concrete machines

With OES outstanding sales and after sales services we are optimistic to become a market leader.



SUCCESS STORIES

Supply and installation of 8.42MW solar power system

OES has signed an agreement with Yunus Textile Mills Limited for the supply and installation of 8.42MW solar power system. The systems will be installed at three different units of YTM located in Karachi and Nooriabad. The signing ceremony was held at YTM Unit-1 where Mr. Nasim Ahmed (Director – OES) and Mr. Hassan Tabba (Executive Director – YTM) signed the contract in a dynamic session. This Project is another step towards making us a distinguished market leader and reliable solution provider.



Cummins Diesel Generators procured by Pakitex Boards Pvt Ltd.

Pakitex Boards Pvt Ltd, makers of well-known brand 'PATEX' are pioneers of engineered wood solutions in Pakistan. Due to gas load shedding and scarce gas resources, the need for back-up power becomes inevitable, customer was seeking a cost effective and power-efficient back-up

solution for Korangi Plant and Port Qasim Plant.

Cummins being a market leader in Diesel Power Generation world, coupled with OES outstanding sales and after-market services makes this dynamic duo the best choice of industry.



Overhauling and recommissioned Jenbacher Gas engine at Ellcot Spinning Mills Pvt Ltd.

Ellcot Spinning Mills (Nagina Group) is one of OES most prestigious client, located in Raiwind Lahore, they have been operating on our 2 x 4MW JMS-624H Jenbacher Gas engines.

OES workshop and services team recently overhauled 1 x 624 engine after successful performing 30,000 hours in Lahore, after the successful overhauling, our team also managed to re-commissioned the engine at site using state of the art recommended tools and followed the complete protocols related to re-commissioning.

OES services and workshop team members are known for their professionalism, technical skills and knowledge in power generation industry and their experience in the respective fields make them truly creditable of their hard work.

INNIO Team members also participated this task where Mr. Alexander and Mr. Nadir joined our local team.



Overhaul and Maintenance of 15 MW Steam Turbine for Lucky Cement, Karachi.

Lucky Cement Limited, Karachi hired expertise of OES to overhaul their 15MW HCTC Waste Heat Recovery Steam Turbine installed at their cement facility. Steam Turbine was installed in 2009-2010 and completed 80,000 plus running hours. For overhaul LCL choose OES to carry out the work keeping in consideration Company's past expertise in maintenance, repair and overhaul of Steam turbine.

OES team successfully completed overhauling of steam turbine which improved the capability of steam turbine to generate 12.5 MW, earlier the turbine was not able to run beyond 4.5MW load. This successful commissioning adds another milestone in OES service sector profile. OES scope of services included, but not limited to, as follows:

- Rotor Sand Blasting
- Rotor journal grinding, polishing and balancing
- NDT Testing
- Grinding, White metaling and polishing of turbine bearing

OES team completed the job without OEM presence and successful commissioning was done within the stipulated time frame without any failure and turbine started running successfully.

Successful completion of turbine overhaul has opened up new avenues for OES and customers are relying on OES for a reliable solution for steam turbine maintenance and overhauls in absence of OEMs personnel thus reducing the cost of overhaul services.



Installation & Commissioning of 410MW WTGs

We have achieved another milestone of installation and commissioning of 410MW WTGs in Jhimpir Wind Corridor on the following sites:

1. Master Green
2. Tricom Wind
3. Lakeside Energy
4. Din Energy
5. Nasda Green
6. Liberty – I
7. Liberty – II
8. Metro Wind

OES is putting its best efforts towards sustainable growth of clean and green energy in Pakistan, through operation of wind power plants in the Jhimpir wind corridor. At these projects, OES has provided services of pre quality inspections of WTG equipment, erection of WTGs as per SGRE quality protocols, mechanical completion inspections, energization, testing and commissioning of Wind turbines as prescribed in the EPA including RRT while maintaining highest degree of HSE compliance. To



acknowledge diligent efforts exhibited by OES Team during the installation and energization of DIN wind farm, they awarded OES with a shield of appreciation, during the post-COD celebrations organized by the investors at project site. OES diligent team members are working at multiple remote Wind Projects nationwide to provide the best services and ensure to contribute in the development and growth of not just OES but of the whole nation at large.



RAK Ghani Glass WAUKESHA GAS ENGINE Major Overhauling.

Rak Ghani Glass LLC UAE is one of the most prestigious end user of Orient FZCO, possessing three Waukesha Gas Engines L5794LTD Extender Engines of 900KW each, operating in Ras AL Khaimah, UAE. OES scope included supply of Waukesha parts and services. All three engines have successfully completed 60,000 running hours. OES recently performed major overhauling of

these engines along with load tested engine and handed over to client for normal operation.

OES is known for its dynamic and extremely competent service team and we take extreme pride in our service excellence. Professionalism, patience, and a "people-first" attitude is the foundation of our skilled service team.



TRAINING

Jenbacher Commissioning Engineer Training

OES believes in regularly providing the training to its team members (employees, customers and principals), our tailored and individualised training approach, ensures everyone who trains with OES unlock his true potential and gain the most out of each session.

OES successfully arranged an INNIO Qualification training session at its Head Office Karachi in the month of March, FTA (Field Tech Advance Training) was planned to enhance INNIO field Staff technical capabilities, which paves the way for our engineers to qualify for the second module INNIO Group – Jenbacher Commissioning Engineer Training.

Our esteemed and renowned trainer Mr. Ijaz Abid was invited from Dubai to conduct the sessions, his profound technical knowledge and years of experience has made him an Authorized Trainer of INNIO.



World Day for safety and health

To spread awareness about World Day for safety and health at work, OES arranged multiple interactive sessions in OES HO and various sites. In OES, we promote the prevention of occupational accidents and diseases at all times. During social dialogue sessions, HSE team emphasised on healthy discussions at work place that enhances overall productivity of individuals and also the significance of mental and physical health, where safe & healthy working becomes second nature to everyone.



They also briefed about a safe and healthy workplace not only protects workers from injury and illness, it can also lower injury/illness costs, reduce absenteeism and turnover, increase productivity and quality, and raise employee morale. In other words, safety is good for business.



ACCOLADES

Hard work and dedication to promote HSE culture at site from SGRE

We are pleased to announce that our valued employee Mr. Adnan Ali received an EHS star of the month award for his hard work and dedication to promote HSE culture at site from SGRE. Mr. Adnan has helped his team to adopt safe working behavior at site to strengthened the overall safety culture.



At Metro Wind Power Project, our HSE member conducted multiple trainings such as electrical hazard, first aid and its precaution measures etc. also managed to complete WTG commissioning inspection and emergency preparedness and response inspection on Sphera Cloud.



STAMFORD® | AvK® Authorised Parts and Service Dealer Excellence Award 2022

An award is a symbol of success!

We would like to congratulate our tremendous Alternator Segment - CGT, on becoming a Dealer Excellence 2022 winner, awarded by STAMFORD | AvK.



Recognition Shuangliang Group Eco-Energy

OES is proud to be associated with Shuangliang Group Eco-Energy since 2007, to celebrate the success of this exceptional collaboration of many years, Shuangliang expressed its gratitude by recognising Orient Energy Systems (Pvt.) Ltd. timely deliverables that paved a way for Shuangliang to become a market leader in Pakistan HVACR industry.

In connotation with OES, Shuangliang also appreciated all the leading HVACR consultants for their valuable support and who made it possible for Shuangliang Eco-Energy to become one of the leading brands of Absorption Chillers in Pakistan.

Coming together is a beginning. Keeping together is progress. Working together is success, and we hope to continue to evolve as one unit in all our future endeavours.

A token of appreciation was presented by our senior management along with HVACR team members to our esteemed Chairperson, Mr. Muhammad Saeed.



EXHIBITIONS

36th Multi-Topic International Symposium 2022

IEEEP Karachi Center organised 36th Multi-Topic International Symposium 2022 on March 16, 2022, & March 17, 2022, at Hotel Pearl Continental, Karachi. OES participated in the esteemed event as a Silver Sponsorship partner. The 2-day symposium is dedicated to Late Engr. S.S.A Jafri. Our multi talented engineers participated in the event on behalf of OES.

A total of Five (V) Technical sessions on various topics were covered followed by the Q&A session. Participants from various corporate organisations, industries, C-level management, members of IEEEP and students from Karachi and other parts of the country as well as some international participants also joined the event.

Members took a keen interest in the symposium and attended the event with great attentiveness and appreciated the occurrence of such events for great learning and networking. OES was highly appreciated for making the undeniable efforts for the growth and development of the industry.



27th Pakistan HVACR International Expo & Conference 2022

OES and our dynamic principals including Shuangliang Group, Dunham Bush, EUROCLIMA GROUP, MESAN Group CTI Certified Cooling Towers. and Erensan participated in the 27th International HVACR Expo & Conference organised by Pakistan HVACR Society at Expo Centre Lahore. OES powered the event as a Gold Sponsor.

Variety of advanced HVACR equipments were displayed in the event; by 200+ National and International exhibitors. The 3 days conference on the theme of "Emerging Trends in HVACR" covered the latest trends involved in the HVACR



industry like energy efficient buildings design, net zero energy building, green design & sustainability, potential of alternative energy and cooling resources, emerging technologies in VRF system, new refrigerants and cold chain refrigeration industry with leading HVACR experts panel discussions.

Expo empowered HVACR professionals, clients and consultants to:

- display their company profile and business potential.
- provide a platform to build professional relationship by brainstorming future business prospects, issues related to multiple industries.
- work towards shared business goals and interes



5 KEY BENIFITS OF WIND ENERGY

The Globe is warming due to human-created climate change. Warmer temperature is changing the weather patterns and disrupting the usual balance of nature. Climate scientists have been raising alarms for decades. We're already seeing many of the devastating effects such as rising sea levels, massive hurricanes, severe drought and more.

Wind energy is a source of renewable energy. It does not contaminate, it is inexhaustible and

reduces the use of fossil fuels, which are the origin of greenhouse gasses that cause global warming.

5 reasons that make wind energy most important

- 1- Wind energy leads to Less carbon footprint
- 2- Indigenous source leads to energy independence
- 3- Cheapest source of energy
- 4- Wind Turbines contribute zero emissions
- 5- Wind Energy Use no water



Kashif Raza Kazmi

General Manager
Engineering- Wind Energy

