



Powering Progress, Engineering Excellence

Reliable | Efficient | Scalable



Company Overview

At Z.A Energy Systems Pvt. Ltd., we specialize in the supply and distribution of high-quality equipment and spare parts for a wide range of industrial and commercial applications. With a strong focus on reliability, innovation, and customer satisfaction, we deliver comprehensive and future-ready solutions across key sectors.

Our offerings include diesel and gas engines (MTU, Jenbacher, CAT), compressors, chillers, and HVACR systems, along with compressed air systems and battery energy storage solutions (BESS). We also provide advanced filtration and air quality products, all types of filtration units, pressure vessels, heat exchangers, oil monitoring systems, and carbon capture technologies—empowering clients to reduce emissions and operate more sustainably.

With a team of experienced professionals and strong partnerships with globally recognized manufacturers, we ensure the timely delivery of superior products, along with technical assistance and after-sales support tailored to your needs. Whether it's routine maintenance or large-scale industrial deployment, we help keep your operations running smoothly and efficiently.

Driven by a commitment to engineering excellence and environmental responsibility, Z.A Energy Systems continues to be a reliable partner for businesses seeking durable, energy-efficient, and cost-effective solutions across the mechanical, energy, and sustainability spectrum.



Why Choose Us



Experienced



Reliable



Cost Effective

	250	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750
alimar	17.5 kVA										3200 kVA				
MITSUBISHI	8.5 kVA										2800 kVA				
Cummins	28 kVA										3760 kVA				
HD HYUNDAI INFRACORE	185-1020 kVA														
Ford	300-550 kVA														
SCANIA	275-770 kVA														
Perkins	10 kVA										2500 kVA				
FPT POWERTRAIN TECHNOLOGIES	34-660 kVA														
SDEC	70-1100 kVA														
ALLIS DIESEL ENGINE	40-1100 kVA														

Generator

- ◆ 3kVA to 3MW
- ◆ High-quality, long-lasting batteries
- ◆ 4-stroke, water-cooled, 1500 rpm diesel engine
- ◆ Standard 50 Hz, 400/230 V output voltage
- ◆ Electric starter and charging alternator
- ◆ Genuine spare parts
- ◆ Preventive and corrective maintenance services



Diesel Lighting Tower

- ◆ 5kVA to 85kVA
- ◆ Low Fuel Consumption
- ◆ High Efficiency
- ◆ Option for Power Supply from Grid
- ◆ Robust Structure

Battery Energy Storage Solutions (BESS)

Empowering Reliable, Sustainable Energy

We offer advanced Battery Energy Storage Systems (BESS) tailored for residential, commercial, industrial, and utility-scale applications. Our smart storage solutions are engineered to:

- ◆ Enhance energy reliability and grid stability
- ◆ Integrate seamlessly with renewable sources like solar and wind
- ◆ Lower energy costs through peak shaving and load management
- ◆ Ensure power continuity during outages and grid fluctuations

Whether you're aiming to maximize self-consumption, support critical infrastructure, or balance energy supply and demand, our BESS solutions deliver efficiency, scalability, and long-term value.



Chillers, Air Conditioning & Filtration Products

Cooling Systems:

- ◆ Screw & Centrifugal Chillers
- ◆ VRF/VRV & Rooftop Units
- ◆ Fan Coil, Cassette, Wall & Duct Type Units
- ◆ Evaporative & Air-Cooled Solutions
- ◆ Air-cooled Chillers
- ◆ Water-cooled Chillers
- ◆ Absorption Chillers
- ◆ Centrifugal Chillers
- ◆ Screw Chillers
- ◆ Scroll Chillers

Filtration & Air Quality:

- ◆ HEPA, Electrostatic & Carbon Filters
- ◆ UV Filters | Air Purifiers
- ◆ Industrial, Semi-commercial, and Residential Solutions
- ◆ Humidifiers | Dehumidifiers | Air Curtains

Engineering Capabilities

Our expertise spans the entire project lifecycle:

- ◆ Concept Design & Feasibility Studies
- ◆ Tender Evaluation & Value Engineering
- ◆ Procurement & Scheduling
- ◆ Shop Drawings, QA/QC
- ◆ Commissioning & Training

Air Compressors & Systems

Air Screw Compressors

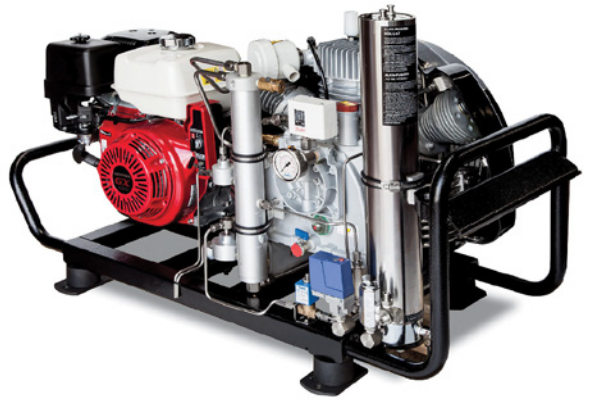
- ◆ 3kW – 315kW
- ◆ 7–13 Bar

Reliable and high-performance compressed air solutions.



High & Medium Pressure Compressors

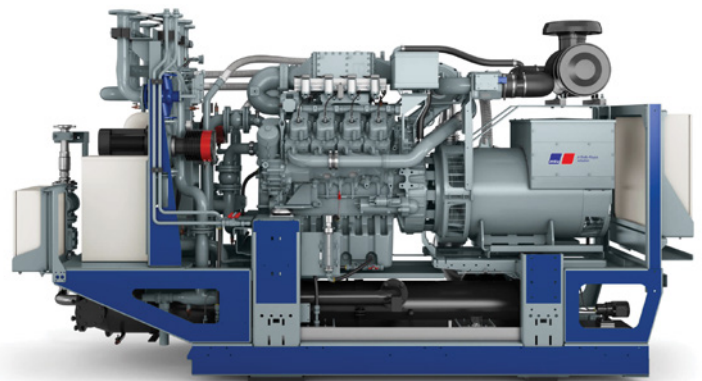
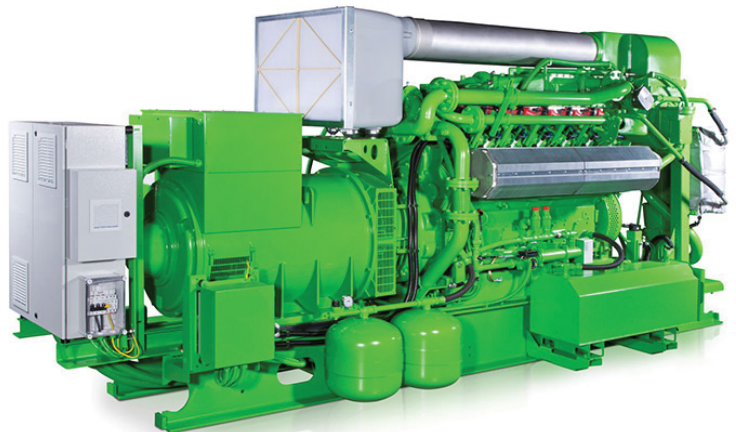
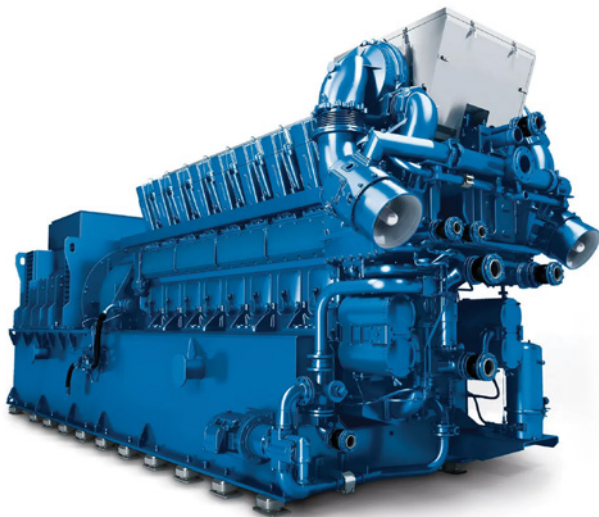
- ◆ Mariner & Enclosed Series W32
- ◆ Diesel/Canopy Series W4
- ◆ Fill Stations
- ◆ Chassis Series 700–702
- ◆ Canopy Series 524–528
- ◆ 415 Barg
- ◆ Gas Compressor



Our product range includes oil-injected single stage & two stage high efficiency screw up to 450kW, oil injected reciprocating, oil free screw, oil free reciprocating, oil free scroll, tanks and booster type compressors with capacity from 4 bars to 40 bars.

Gas Engine Spares & Services

Genuine spare parts of all type and specialized Maintenance, Overhauls and On-Call Services for Jenbacher, MWM and MTU engines. Ensure performance, efficiency, and longevity with expert support.



All Type of Filtrations

- ◆ Pleated Bag Filters
- ◆ Oil Filters
- ◆ Air Filters
- ◆ Fuel Filters
- ◆ Chromium Filters
- ◆ Hydraulic Oil Filters

Dry Filtration

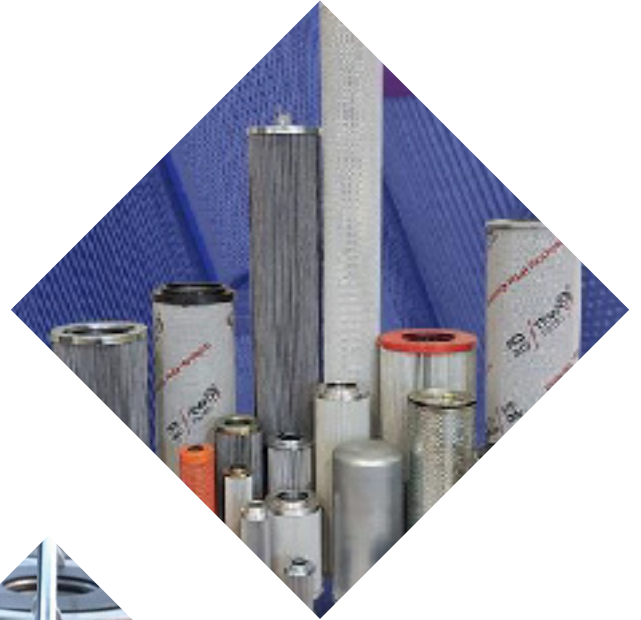
- ◆ Pleated Dust Collector Filters
- ◆ Air Filters

Liquid Filtration

- ◆ Hydraulic Oil Filters
- ◆ Oil Filters
- ◆ Fuel Filters
- ◆ Stainless Steel Filters

TDS Skills

- ◆ Detailed TDS By The Engineering Team



All type of Pressure Vessel Heat Exchanger

- ◆ Expansion Tanks
- ◆ Automatic Pump Controlled Expansion System
- ◆ Plate Heat Exchangers
- ◆ Brazed Exchangers
- ◆ Shell & Tube Heat Exchangers
- ◆ Water Heater Tanks
- ◆ Evaporator and Condensers
- ◆ Steam Separators



FluidInspectIR® PLUS – Real-Time Oil Condition Monitoring

Monitor. Analyze. Save.

Z.A Energy Systems offers the FluidInspectIR® PLUS, a cutting-edge solution by Spectrolytic for real-time oil condition monitoring. This smart device helps detect early signs of wear and contamination, enabling predictive maintenance and significant cost savings.

- ◆ Smarter Monitoring
- ◆ Reduced Downtime
- ◆ \$100,000s Saved in Equipment Life & Maintenance

Monitored Parameters Include:

- ◆ Sulphation, Oxidation, Nitration, Water
- ◆ TAN, TBN, Additives, Soot
- ◆ Viscosity (KV40C/KV100C), Wear, Particles, ipH



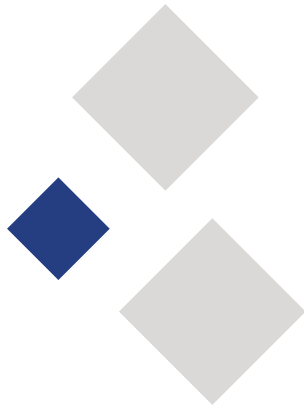
Carbon Capture Solutions

Carbon capture technologies are essential tools in the global effort to reduce greenhouse gas emissions. As a solution provider, we offer innovative carbon capture systems that help industries minimize their carbon footprint and move toward net-zero targets.



Our Presence

- ◆ Islamabad
- ◆ Lahore
- ◆ Faisalabad
- ◆ Multan
- ◆ Karachi



Authorized Distributors;



BESS (Energy Storage Batteries System China)



All type of Diesel Engine



All type of Industrial Compressor



All Type of Industrial Compressor



All Type of Pressure Vessel & Heat Exchanger



All type of Chiller, Cooling Tower, Air Cold Water Chiller



Oil Monitoring Device Real-time Fluid Condition Monitoring of Key Plant Assets



Innovation is our main destination.
Industrial all type of filter/Filtrations system



All kind of Gas Engine Spares Parts



All kind of Gas Engine Spares Parts



Engineering Solutions That Power Possibilities

We combine innovation, quality, and expertise to deliver powerful, energy-efficient solutions for today's demanding industries. From reliable power systems to integrated MEP services—we keep your operations running, your energy optimized, and your future powered.

ZA Energy Systems Pvt. Ltd.

☎ +92 300 413 0929 | +92 333 4922253 ✉ info@za-spl.com

🌐 www.za-spl.com

📍 26 km, Multan Road, Lahore, Pakistan