

YOUR CHOICE  
**FOR**  
**RELIABILITY**



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# ABOUT HMH

From its origins as a small workshop in 1986, HMH Machinery Est. has grown to become one of Lebanon's leading manufacturers and suppliers of power solutions and electro-mechanical works. The company has built its growth on its commitment to quality products that offer value for money and its excellent customer service.

Today, from its vast production facility, HMH machinery manufactures complete diesel generating sets, soundproof enclosures,

synchronizing systems, transfer panels, lighting towers and pumping sets, with the capacity to produce more than 10,000 sets per year.

In addition to having forged a strong market presence as solution provider, HMH also offers a full range of services throughout the entire lifecycle of its products, backed by technical proficiency and an exceptional pre-sale and after-sale support, with emergency service 24 hours a day, seven days a week, as well as back-up power rentals.






# OUR MISSION

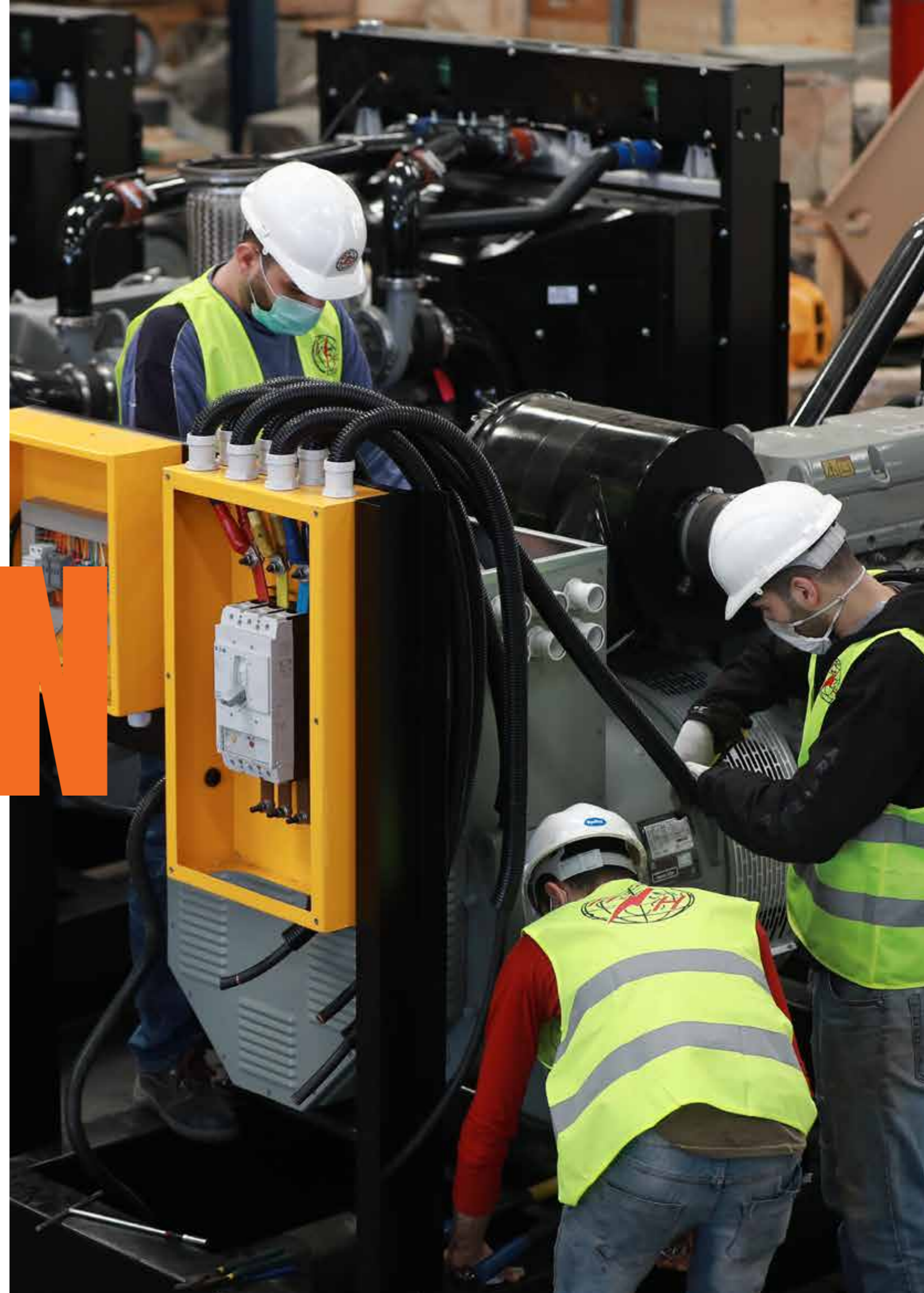
**To ensure customer satisfaction through delivering high quality products and outstanding customer service.**



 **Perkins**  
Diesel Power

# OUR VISION

**To build sustainable growth through our reputation for high quality manufacturing and excellent human resources.**



# QUALITY YOU CAN TRUST



**HMH Machinery Est. is certified by the leading major international component manufacturers, supplying perfectly integrated generating sets and power solutions that combine efficiency with durability. Our quality management system is ISO9001:2015 compliant, assuring our clients of quality and integrity in everything we do.**





At HMH we use the highest quality components to build our gensets, imported directly from the world's most successful and trusted manufacturers, and covered by an after-sale warranty.

# ENGINES



Perkins is one of the world's leading providers of diesel engines that has more than 88 years history in diesel engines industry. The company has built more than 21 million engines till date.



Kirloskar is India's largest manufacturer of air-cooled and liquid-cooled diesel engines, covering a power range of 3hp to 11,000hp.



Cummins is a well-known brand that manufactures diesel engines. The Cummins engines are known for their excellent quality, durability, efficiency, and compact design.



Volvo Penta provides power generation engines that are constructed with reliable efficiency and unmatched load acceptance at their core. Flexible and fuel efficient they will supply power, ease of operation and peace of mind



Lister Petter engines are built to operate reliably in all conceivable ambient conditions. From the freezing sub-zero temperatures to the scorching heat of the deserts.

# ALTERNATORS



Leroy-Somer is a world leader in electromechanical and electronic drive systems and the world leader in industrial alternators.

As an alternator supplier Mecc Alte have proven expertise and experience in research, design, low-cost manufacturing and development capabilities.



Utilizing wire-wound technology and with an output extending from 7.5 to 5,000kVA, genuine Stamford alternators are designed for delivering superior efficiencies in continuous or standby power applications.

# CONTROLLERS



Deep Sea Electronics is one of the world's top manufacturers of generator controllers, auto transfer switch controllers, battery chargers and vehicle & off-highway controllers.



ComAp leads the way in providing smart power control solutions that are highly flexible, intuitive, and scalable.



S. & A.S. Co. Ltd

S. & A.S. Co. Ltd has developed a leading name for itself in the field of industrial electronic controls through continuous introduction of new products that are of extremely high quality and completely reliable.



# OUR PRODUCT PORTFOLIO

# GENERATING SETS

We offer a wide variety of power solutions ranging from 9kVA to 2,500kVA, empowering us to meet the diverse needs of a vast range of sectors and institutions, including industry, construction, agriculture, oil, commerce, telecom, data centers, power stations, government and non-governmental organizations for both prime and standby power applications.



## PERKINS POWERED

Our Perkins generating set models are powered by genuine, made in the UK Perkins engines, one of the world's most highly regarded engines offering the highest levels of performance and durability. Our Perkins models range from 9kVA to 2,250kVA PRIME for 50Hz and 11kVA to 1,700kVA PRIME for 60Hz.



## VOLVO POWERED

Our Volvo generating sets are powered by genuine, made in Sweden Volvo engines, offering premium industrial power combined with the benefit of low cost of ownership. Our Volvo models range from 100kVA to 700kVA PRIME for 50Hz and 105kVA to 727kVA PRIME for 60Hz.



## KIRLOSKAR POWERED

HMH is the exclusive distributor in Lebanon of Kirloskar air cooled and liquid cooled diesel engines. This allows us to offer Kirloskar-powered generating sets that are extremely reliable while also having the lowest operating costs. Our Kirloskar models range from 15kVA to 500kVA PRIME for 50Hz and 17kVA to 550kVA PRIME for 60Hz.





# SOUND PROOF ENCLOSURES

At HMM all sound proofing canopies are made to perfection. Unit body is made of 2 to 4 mm thickness carbon steel cold rolled sheet metal with structure beam where necessary. All the materials are treated with corrosion resistant and enhanced with a phosphate chemical conversion coating which provides an excellent corrosion resistant surface. The metal components are then painted by applying a polyurethane primer and semi-gloss polyurethane paint which is subjected to high temperatures and form a continuous and extremely durable coating.

High density sound proofing rigid boards are used to reduce the external sound pressure to the required level, the boards have a density of 70 kg/m<sup>3</sup> providing a class A sound absorption and can withstand a temperature up to 450 degrees Celsius. All models have service doors that provide easy access to the engine and the alternator. All HMM sound proofing housing permit outdoor installation of the genset, due to the high-quality construction, as well as the stand up to the stress of heat, cold and humidity. Also, to prevent tampering all housings have lockable latches.



## SPC-NEW DESIGN

NOISE LEVEL AT FULL LOAD IS LESS THAN 68 DBA AT 1 METER



## SPC-COMPACT

NOISE LEVEL AT FULL LOAD IS LESS THAN 75 DBA AT 3 METERS



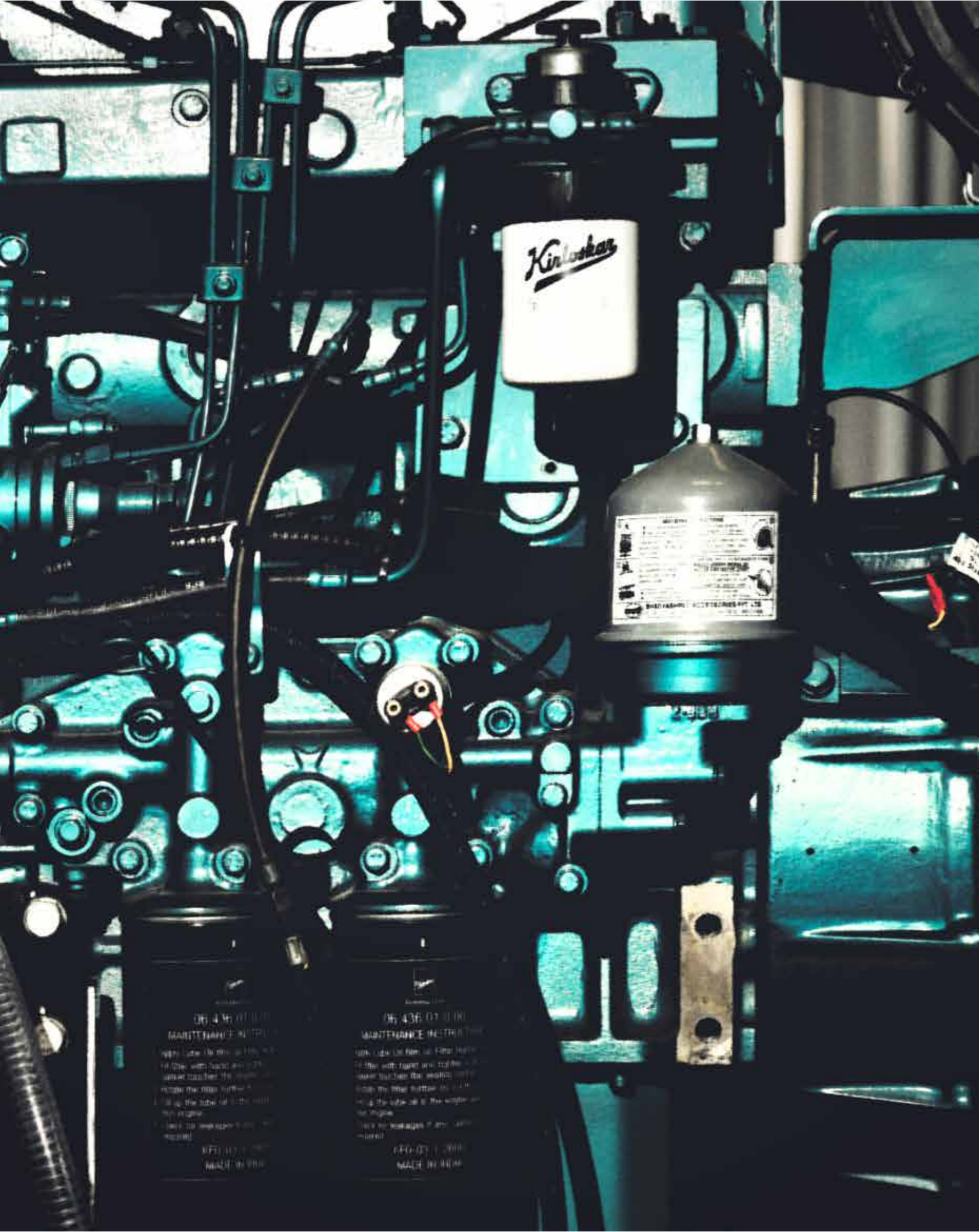
## SPC-LOG DESIGN

NOISE LEVEL AT FULL LOAD IS LESS THAN 68 DBA AT 1 METER



## SPC-FG DESIGN

NOISE LEVEL AT FULL LOAD IS LESS THAN 85 DBA AT 5 METERS



**kirloskar**

# DIESEL ENGINES

We offer a full line of Kirloskar diesel engines, bringing you the compelling combination of robust engine design with

quality you can rely on and capable of fulfilling a vast number of applications to suit your varying needs.

## INDUSTRIAL SECTOR

- CONCRETE MIXER
- MINI DUMPERS
- HOISTS / WINCHES
- BLOCK MAKING MACHINE
- NEEDLE VIBRATORS
- PLATE COMPACTOR
- ROCK CUTTERS
- TOUGH RIDER
- MARINE - INBOARD MOTOR (IBM)
- MARINE - OUTBOARD MOTOR (OBM)

## AGRO-INDUSTRIAL SECTOR

- THRESHERS
- SUGARCANE CRUSHERS
- RICE HULLERS
- COFFEE PULPER
- CHAFF CUTTER
- FLOOR MILLS
- SAWMILLS
- SPRINKLERS
- OIL EXPELLER



# PUMP SETS

We offer a range of highly dependable Kirloskar diesel pump-sets, which make a compelling choice for their low maintenance cost, hassle free starting, trouble-free operation, reliable performance, and longer life. These pump-sets are in action across the world, where they have been greening the sands in Egypt, increasing rice output in Laos, and irrigating the remotest locations in Africa, Latin, and Central America.

# MOBILE LIGHTING TOWERS



Powered by Perkins diesel engines and designed for all temporary lighting applications. HMH light towers are highly regarded for their reliability, safety and robustness for use in construction, tunnels, mining, plumping, defense operations, airports and wharfs, disaster relief and emergencies, and much more.



# HYBRID POWER SYSTEM

HMH's hybrid power system is a cost-reducing solution that is particularly suitable for areas with limited or no access to power grid applications, such as telecommunications, agriculture, and heavy construction projects. Our system reduces operation costs by combining AC (50hz or 60hz) or DC (fixed or variable speed) generating sets with batteries and other renewable sources, providing reliable power that cuts OPEX costs by -30% up to -70% as well as engine running time and ongoing maintenance costs.



# CONTROL PANELS

## Gen-set controllers

At HMM, we use the industry-leading generator control modules (DSE & ComAp) that work both manually and automatically in stand-alone or parallel mode applications to provide advanced engine monitoring and protection features.

## Automatic transfer switch and distribution panels

Our automatic transfer switch and distribution panels are designed for transferring loads and electrical distributions from one source to another. Their main use is between a backup generator and main utility, to command the generator to stop or start whenever the main utility gains or loses power.

## Synchronizing & totalizing panels

Designed to meet power requirements when electrical loads are not constant, these panels connect two or more generators in a parallel system to supply the power required when at peak, average or low demand. The system works by calculating the load, then switching on the generators as required and balancing the load between them. In addition to optimizing fuel efficiency and the cost of maintenance, with generator sets running at the optimal 80-70% of their capacity, this provides an emergency backup for critical loads when needed.

We bring our expertise to you via our complete on-site services, including inspection, testing, installation, commissioning, troubleshooting and repair of all types of power generators, fuel systems, electrical systems, and exhaust systems, always taking into consideration the site conditions such as ambient temperature, altitude, location and pollution type.



## ON-SITE SERVICE



## ROUND THE CLOCK TECHNICAL SUPPORT

HMM'S FULL-CYCLE PROFESSIONAL ASSISTANCE IS AVAILABLE 24 HOURS A DAY, SEVEN DAYS A WEEK INCLUDING CONSULTANCY, WARRANTY, MANUALS AND CATALOGUES, AND TRAINING IN OPERATION AND MAINTENANCE.

# ANNUAL MAINTENANCE CONTRACT (AMC)

Among our after-sale solutions, a preventive maintenance contract offers you the peace of mind of regular maintenance interval schedules and maintenance procedures for servicing and routine testing of all the elements of any generating set, including fuel systems, electrical systems, cooling systems, air systems, and making sure the generating set remains in full working order.



## GENUINE SPARE PARTS

Our wide range of solutions includes genuine spare parts, assuring you of excellent quality that is designed to maximize both component life and engine performance.

# POWER RENTAL

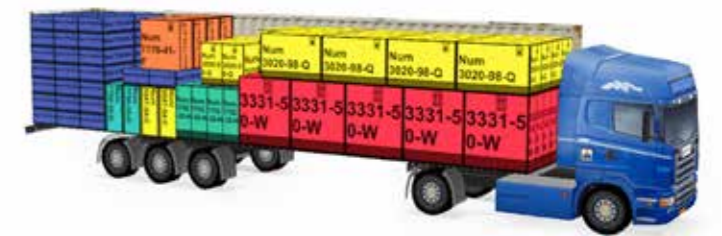


A versatile solution, our temporary power rental options range from 13kVA to 1000kVA, guaranteeing you a constant energy supply for use in a variety of situations.

# GENERATOR SET TRAILERS

HMH's heavy duty trailers are built and customized specifically to fit your generator set for easy mobility at multiple sites.

## CONTAINER LOAD PLAN



At HMH, we offer an impeccable container load service to deliver your consignment safely in any quantity to your desired destination.





**EXPORTING TO**   
**IMPORTING FROM** 

**HMH**  
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