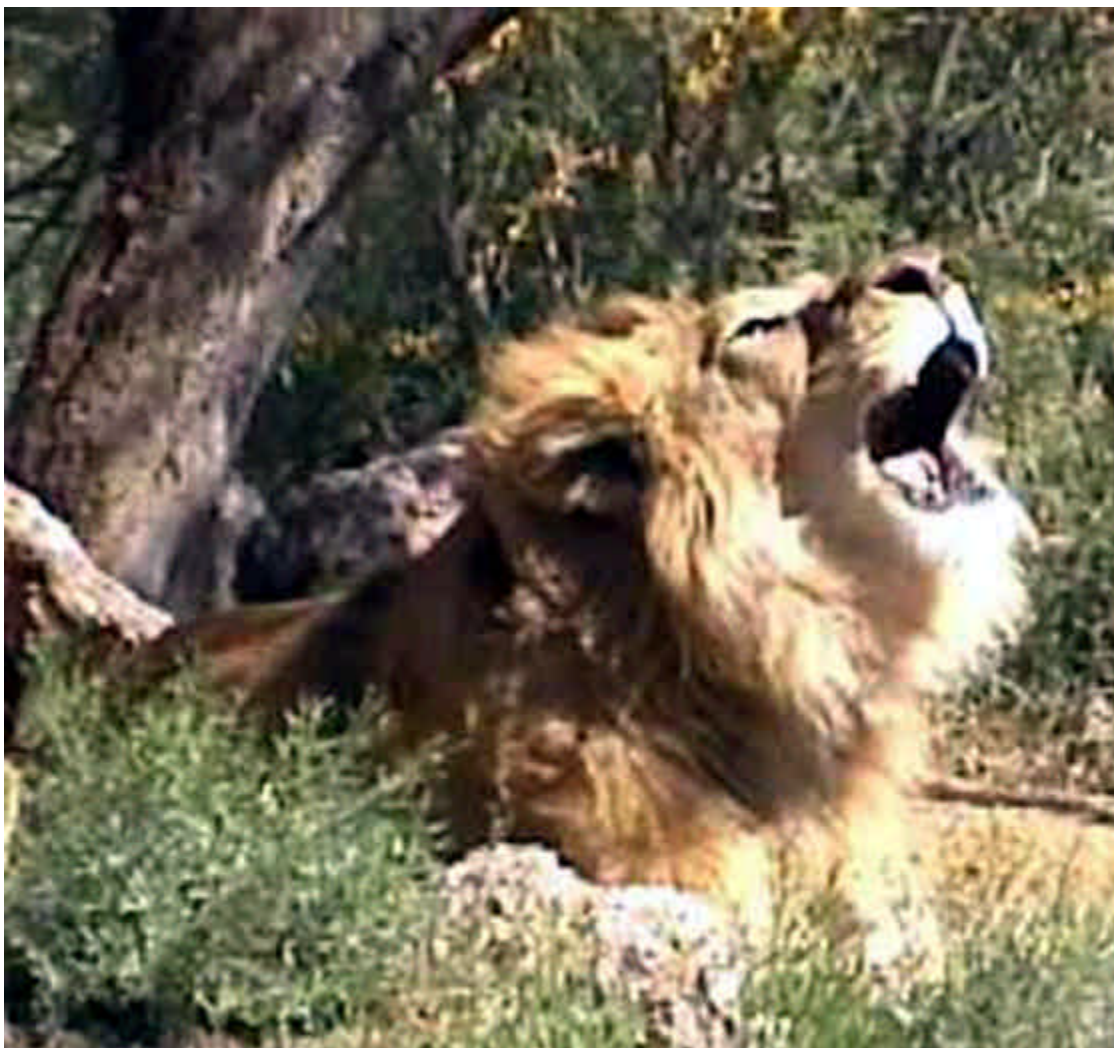


# *Linear Power Systems*

*Pte. Ltd.*



## ***Generator Maintenance Services***

**TEL: 6291 0213 / FAX: 6293 3937**  
**6 Tagore Drive · Tagore Industrial Building #01-09 · Singapore 787623**



**Detroit Diesel**

**MTU**

**Volvo/Penta**

**Perkins**

**Deutz**

**GM Electromotive**

**John Deere**

**Mitsubishi**

**Kubota**

## **Genset Maintenance Group**

Is your building generator's manufacture in this list?

Your generator needs regular servicing to maintain it for those critical times when there is a power interruption. Our factory-trained service technicians will keep your system in peak condition under our maintenance contract so you do not have to worry about it.

During our regular maintenance calls, we:

- Inspect and test the batteries,
- Check and top-up the lube oil if necessary,
- Run the engine to assure it is in peak condition.
- Inspect all of the service parts and maintain a supply of original-equipment and factory-authorized service and replacement parts.
- You receive a comprehensive maintenance report with our professional maintenance guidelines.
- Our service plan can include standby and emergency service, diagnostic service, lube oil and filter change, radiator coolant check and change, engine oil testing., resistive load bank testing..
- We can provide standby for annual FSB inspections with PE endorsement

Please contact us to discuss your requirements and for details of our standard service plans

**Factory Trained/Singapore Based**

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### We specialize in expert service for your facility generator set.

#### Regular Servicing

Quarterly servicing of your engine using our 56-point checklist and service guidelines assure your equipment is ready should it be needed in an emergency.

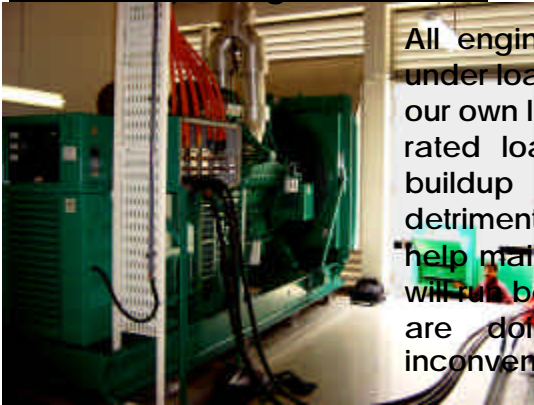
#### Lube Oil Change



Every engine manufacturer recommends a lube oil change every 250 running hours or at least once per year. We dispose of the waste oil at no cost to you.

We use only manufacturer-approved lube oil and genuine service parts for all of our servicing needs.

#### Load bank testing



All engine manufacturer's recommend regular testing under load to keep your engine performing well. We use our own load banks to test your diesel generator set at its rated load. This removes built-up carbon, prevents buildup of acids in the lube oil, and buildup of detrimental carbon particles in the exhaust valves and help maintenance of the piston ring seals. Your engine will run better, more efficiently, and you are assured you are doing everything necessary to prevent an inconvenient power outage from becoming a disaster.

#### Our services

All of your generator and critical systems maintenance and repair in one set of hands, one invoice, one payment. We can customize one of our standard service plans to fit your needs and budget.

We provide standard and customized service plans to fit your needs and budget.	Preventative maintenance
One time inspection and servicing	Generator set servicing
Predictive maintenance	Emergency replacement equipment
Emergency and critical service response available	Stand-by system support for your annual shut-down exercises
Full load functional testing with resistive load banks (to 1400KW) with our own equipment.	Our factory trained service technicians keep your critical systems in operation.
Rental generators from 20KVA to 1000KVA on as little as 6 hours notice	
We can provide stand-by system support for your annual FSB inspection and shut-down exercises as well as electrical systems maintenance and service by certified professionals. We are able to provide Professional Engineer endorsement for our testing services.	

All of your generator and critical systems maintenance and repair in one set of hands, one invoice, one payment. We can customize one of our standard service plans to fit your needs and budget.

Contact one of our service representatives for details:

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### Comprehensive Maintenance

Managing the maintenance of your critical infrastructure means knowing how to keep it from breaking down. Regular and Critical Scheduled maintenance of major components like the engine and alternator will keep the lights on and prevent a problem from becoming an expensive emergency.

Overhauls and rebuilds are much less costly than purchasing new equipment, and by scheduling these services in advance, and pre-positioning replacement equipment during major work, your installation remains fully ready to prevent a power outage from becoming an emergency.

Our managers and technicians are fully aware of the importance of your equipment and are prepared with training, experience and equipment to assure your stand-by generators are always ready and available.

### Silence Is Golden

Diesel generators are noisy. With our custom silencers, we reduce the noise by as much as 35dB. This means that when your generator automatically starts up in the middle of the night, it sounds more like a kitten purring than a lion roaring. Our specialists will help you configure the precise silencer for your installation, providing the most cost effective silencing technology in the space available.

### Service Parts

We maintain a comprehensive stock of service parts for most diesel generator sets. We continually scour the world for suppliers of specialized, outdated and obsolete parts for older generators, and are therefore able to service nearly any make, model or age.

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### Why test your generator to full capacity

Engine manufacturers all recommend running your engine at a partial load on a regular basis to prevent carbon fouling (buildup of carbon on cylinder heads, pistons and valves) and wet-stacking (unburned diesel fuel accumulation in the cylinder) which rob power from your generator and reduce the lifespan of the engine. Running the engine at idle and without a load are the cause of these maintenance faults.

Singapore Standard CP 31:1996 defines a series of tests and records required for standby generator sets. Our standard maintenance schedule assures that your generator maintenance program meets or exceeds this standard.

The NFPA 110:1999 requires all standby generators run at full load at least once a year to assure they come up to speed and settle in at the proper power to support the emergency equipment that they are in place to run.



Linear Power Systems engineers and technicians provide the necessary equipment to run the full series of tests under load required under the above codes and in compliance with Singapore and international standards and procedures.

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## **Product Lines:**

**Kohler Generators** – one of the world's best recognized names in backup and standby power generation

**Cummins** – Diesel engines – industrial and marine. Stockist for Cummins and Onan factory original replacement and service parts.

**Engine silencers** – Up to 35DB of silencing power from our silencers. Turn that roar into a purr.

**Heatpipe** – a revolutionary NASA developed technology to improve the efficiency of your air conditioning system by increasing dehumidifying by up to 90%

**Trane** – Volume sales of one of the premiere brands of air conditioning system from the USA

**Edison Group** – dry transformers and substation equipment

## **Services:**

Comprehensive generator system maintenance plans customized to fit your needs

Standby for annual FSB inspection with P. E. endorsement

Generator set commissioning

Engine and generator set overhaul and rebuild

Load bank testing for generator sets with our own equipment up to 1400KW.

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### Maintenance References

A partial list of generator maintenance and service contracts

CLIENT NAME	SIZE	MAKE
SATS Inflight Catering Centre 1	7x 1250 kva	Onan
ICA Bldg (formerly SIR Bldg)	1 x 1500 kva	Onan
Agilent W'lands	1 x 625kva	Onan
Agilent Yishun	1 x 450kva	Onan
	2 x 625kva	Onan
Clementi Underpass	1 x 800kva	Onan
Concorde Auto	1 x 100kva	Kohler
Delgro	1 x 700kva	Onan
Delgro	1 x 1000kva	Cummins
Delgro	1 x 625kva	Onan
Gimmill	1 x 215kva	Onan
I-STT	2 x 1250kva	Onan
Kallang P/P Station	1 x 75kva	Perkins
Kim Chuan Telecoms	8 x 2000kva	Kohler
Leong Bee Court	1 x 100kva	Yanmar
M1	3 x 1250kva	Onan
MCI	1 x 275kva	Onan
Ming Ghee Auto	1 x 100kva	Kohler
Mt. Sophia Condo	1 x 100kva	Kohler
NCS	2 x 1250kva	Onan
Nee Soon Camp	2 x 459kva	Onan
Northlink	1 x 800kva	Kohler
Parkview Square	1 x 1500kva	Onan
Rangoon Turf Club	1 x 450kva	Onan
S' Post (Crosby)	1 x 450kva	Onan
S' Post (Kallang)	1 x 250kva	Volvo
Sanyo Factory	1 x 650kva	Onan
SCV	3 x 800kva	Onan
Seng Hong Warehouse	1 x 500kva	Onan
Shaw Balestier	1 x 75kva	Deutz
Shaw Centre	1 x 150kva	Dorman
	1 x 400kva	Deutz
Shaw House	2 x 900kva	Onan
Singapore Godown	1 x 800kva	Onan
SITA	1 x 1000kva	Onan
Sun-Micro (Central Mall)	1 x 800kva	Onan
Sun-Micro (Chai Chee)	1 x 500kva	Cummins
Temple @ Chin Bee Rd	1 x 100kva	Kohler
Toh Guan Fty	1 x 350kva	Fg Wilson
Tuas Telecoms	1 x 1250kva	Cummins
UOB BP Tower	2 x 1000kva	Cummins
UOB Robinson Rd	1 x 300kva	Cummins
UOB Tampines	1 x 500kva	Perkins
UOB Tampines	1 x 500kva	Cummins
UOB Tampines	1 x 625kva	Perkins
UPS	1 x 1000kva	Cummins
URA	1 x 1000kva	Cummins
	1 x 200kva	VM Diesel

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