



**Force MTU Power Systems Pvt. Ltd.**

**A Joint Venture of Force Motors and Rolls-Royce**

## About Force

Force Motors is a fully vertically integrated automobile company that has played a pioneering role in the development of **LCV industry** in India having introduced iconic brands like the **Tempo, Matador, Minidor, Traveller, Trax**, etc.

Force Motors is the only company in the world that is producing engines for leading premium luxury car makers Mercedes and BMW.

Engines fitted on every Mercedes and BMW car made in India are produced at Force Motors.

## About Rolls-Royce

Rolls-Royce Power Systems AG is a fully owned subsidiary of the **Rs. 2,25,000 Crore Rolls-Royce plc group**.

Rolls-Royce plc with over **50,000 employees** in **50 countries** pioneers cutting edge technologies that deliver the cleanest, safest and most competitive solutions

Rolls-Royce is one of the most renowned and respected brands which has customers

- in more than **150 countries**,
- comprising over **400 airlines**,
- **160 armies, 70 navies**,
- **4,000 marine** and
- **5000 power and nuclear customers**



## About Force MTU Power Systems Pvt. Ltd.

It is a Joint venture of Force Motors (51%) and Rolls-Royce Power Systems AG(49%) set up to manufacture in India and sell worldwide the renowned MTU Series 1600, 10 and 12 cylinder diesel engines for power generation, under floor rail and other applications.

This joint venture combines the strengths of the two partners viz., Rolls-Royce Power Systems' **cutting edge technology** in reciprocating off-highway engines and Force Motors' long standing experience in **top quality manufacturing** with access to the cost competitive Indian supplier network and **knowledge of the Indian market**.



A Joint Venture of Force Motors and Rolls-Royce

## Exclusive Benefits of the FMTU range

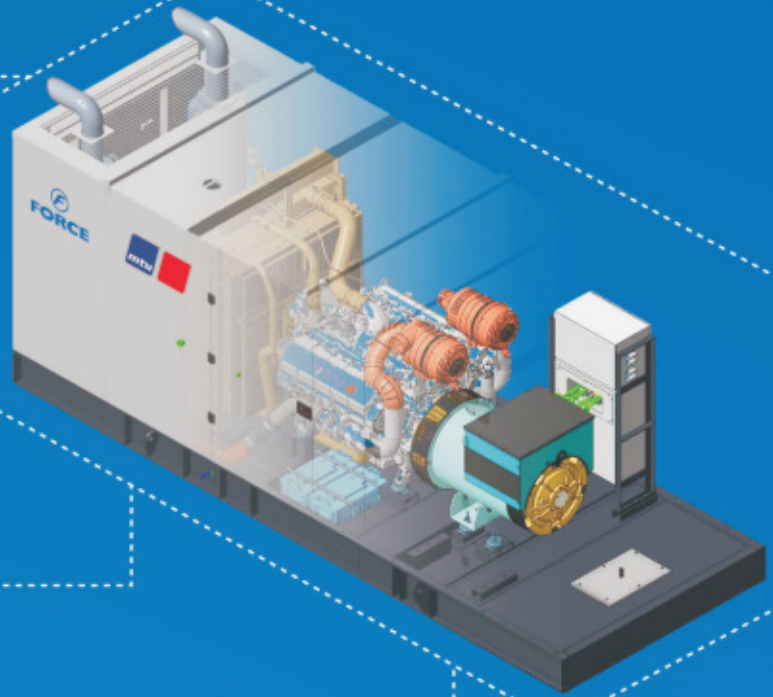
The FMTU Series 1600 engines are designed and developed keeping in mind the heavy demands it would be subject to in a wide variety of applications like power generation, construction, under floor rail etc.,

The engines made at Chakan will be a single quality global product which means every product made here will meet the Rolls-Royce global standards. The integrated silencers ensure that the generating sets are compact in size ensuring no additional mountings or protection requirements at the site



### Force MTU Diesel Power System Range

The FMTU Series 1600 engine range with state of the art Common rail direct injection technology is a full authority electronics engine for best in class reliability essential for generating sets installed at sensitive locations requiring top quality prime and standby power requirements from 450kVA to 1010 kVA.



#### UNIQUE FEATURES

- Silencer inside enclosure
- Single Quality Global Product
- No scheduled Overhaul requirements

#### STANDARD FEATURES

- Digital Voltage regulator
- +/- 0.25% Voltage regulation
- +/- 0.25% frequency regulation

#### HIGHLIGHTS

- 50 deg C Radiator
- Full authority electronic CRDI engine
- Major service points on 1 side of enclosure
- Class G3 governor
- Fuel cooler
- Fuel water separator
- Extended service interval
- Customized Warranty program

#### HIGHLIGHTS

- Sustained 300% SC for 10 seconds
- Sub base fuel tank 9 Hours capacity
- Extra protection for rain entry through sheet metal joints
- Bottom sheet plate for protection
- Hot air out from top

#### Standard Features

- CPCB II Approved
- Fully Authorised Common Rail Electronic Engine
- Class G3 Governor
- Digital Voltage & Frequency Regulator
- PMG & AREP Winding Options
- Digital Solution

### Best in Class Fuel Efficiency

The FMTU Series 1600 engines are known for their near linear fuel efficiency at loads varying from 25% to 100% making them the most cost effective in terms of operating costs.

It also has best in class block loading capability and hence there is no need for over sizing the generating sets for accommodating sudden momentary peak loads.

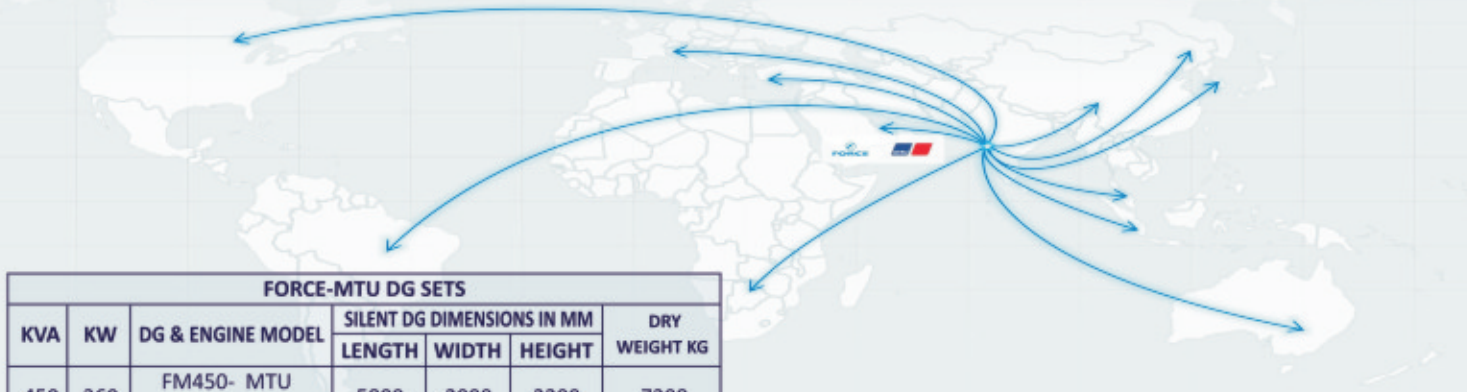
### Lowest Maintenance Cost

The high technology, high performance engines with high ambient and altitude capabilities have longer maintenance intervals and no scheduled overhauls.

They are supported by a dependable after sales service network assisting with preventive maintenance measures and ensuring highest uptime.

**Made in India  
for the World**

The new plant in India will be the only facility in the world manufacturing MTU series 1600 engines for applications like Gensets, under-floor Rail, etc for worldwide requirements of Rolls-Royce Power Systems.



FORCE-MTU DG SETS						
KVA	KW	DG & ENGINE MODEL	SILENT DG DIMENSIONS IN MM			DRY WEIGHT KG
			LENGTH	WIDTH	HEIGHT	
450	360	FM450- MTU 10V1600G10F	5800	2000	2200	7208
500	400	FM500 - MTU 10V1600G20F	5800	2000	2200	7208
600	480	FM600 -MTU 12V1600G10F	6200	2000	2400	8580
650	520	FM650 -MTU 12V1600G20F	6200	2000	2400	8580

### Nation Wide Spread Sales and Service Network



Force MTU diesel generator sets provide reliable solutions for your power generation needs through our dependable sales and service network. Featuring low fuel consumption, long service intervals and low emissions backed by more than 60 years of experience, our generator sets are designed to perform.

### Already present in India and across the globe

MTU Series 1600 engines and generating sets are already in service throughout the country providing round the clock, uninterrupted, high quality power to critically sensitive applications like international airports, data centers, manufacturing industries and premium real estate projects.

Airport / Infra	IT/Data Center	Manufacturing		Real Estate



Mumbai-Pune Road, Akurdi, Pune-411035 | India  
[information@force-mtu.com](mailto:information@force-mtu.com) [www.force-mtu.com](http://www.force-mtu.com)  
 +91 86696 62493

The information contained in this brochure are for guidance only and does not form part of any contract. Force MTU reserve the right to change the content of this brochure without notice.

Dealer Stamp

Address :

**C&B ECOGEN PVT LTD.**  
 CIN No. : U29253WB2011PTC171101  
 ISO 9001 : 2008 & ISO 14001 : 2004 CERTIFIED COMPANIES  
 Mktg. & Admn. Office : Shishu Apartment, Ground Floor,  
 120/1 Kendua Main Road, Garia Patuli, Kolkata - 700 084,  
 Mob : 09830212111  
 Email : [info@cbecogen.com](mailto:info@cbecogen.com), [bamdev@cbecogen.com](mailto:bamdev@cbecogen.com)  
**Website : [www.cbecogen.com](http://www.cbecogen.com)**

122019ENG500