



CATERPILLAR - 2000KVA RETROFITTED



Sale & Marketing by:

**EIE Complete Solutions  
Pvt. Ltd.**

# Platino Retrofit Emission Control Device

**A CLEAN EMISSION INNOVATION**



<http://www.eieindia.co.in>



# ABOUT US ▾

**EIE Complete Solutions Private Limited** is an innovation and customer focused organization, well-established in the Industry in delivering quality Retrofit Emission Control Device and service to the customer.



## EXPERTISE OF PLATINO FOR RECD

Platino has expertise in the design, manufacture and installation of retrofit systems to deliver sustainable engineered solutions for you to achieve the most cost-effective path to compliance besides delivering real world emissions reduction. We are pioneers and have in-depth knowledge in Diesel generators.



25 Years of Experience In Diesel Generators & Engine Service



# PLATINO SERVICES▷

We provide services in the power range of from 15kVA to 2500kVA generators.

- ▷ Manufacturer of **Type Approved Retrofit Emission Control Device (RECD)**
- ▷ DG SETS sales, spare parts, service
- ▷ Generator **RENTALS without RECD**
- ▷ Generators **RENTAL with RECD (First time in India)**
- ▷ Manufacturer of Electrical Panel Board
- ▷ Turbocharger repair works
- ▷ Main Alternator service & rewinding
- ▷ Manufacturer of Sound proof Acoustic enclosure
- ▷ Used DG set Buying & Selling



# RECD FEATURES

Our technology is tested under the required ISO 8178  
5-mode D2 cycle from Automotive Research Association of  
India, Pune, one of the 4 CPCB recognized labs.



Zero Back Pressure  
(as per ARAI test report)



Long Device Life  
(20 Years/20,000 hours)



Endurance Tested



Low Maintenance



Carbon Self Clean  
Technology



Custom Design



Single or Multi  
Module



No by-product  
genera on

























- ▶ Proven Globally accepted technology
- ▶ South India's FIRST Type Approved RECD
- ▶ ZERO Back pressure (As per ARAI Test Report)
- ▶ In line with CPCB latest norms with On Board Diagnostic Panel safe systemsVery
- ▶ high efficiency PM reduction (92.6%) along with HC and CO above 70%
- ▶ Very less maintenance
- ▶ CFD stimulated design
- ▶ Compact and easy to install
- ▶ Operator warning system enabled
- ▶ Separate land space/ concrete foundation not required
- ▶ Installation on of RECD @ horizontal, Vertical, Diagonal position
- ▶ Technically strong DG experienced service team
- ▶ Service support for both RECD & DG Set
- ▶ Combined Annual Maintenance contract for RECD & DG sets for customers

# ADVANTAGES

Our solutions meet the ever increasing emissions requirement mandated by Government norms

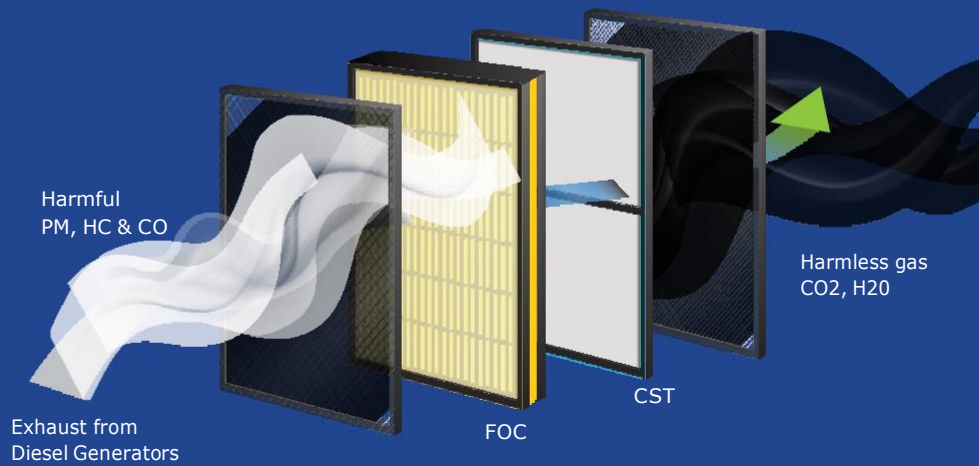
## PLATINO'S RECD

## ELECTROSTATIC PRECIPITATOR

 Above 90%	<b>PM CAPTURE EFFICIENCY</b>	Below 80% 
 Low	<b>INITIAL COST</b>	Very High 
 Zero back pressure (as per ARAI testing report)	<b>BACK PRESSURE</b>	Back pressure (due to more bends & restrictions) 
 More than 70 %	<b>CO &amp; HC CAPTURE EFFICIENCY</b>	0 % 
 Compact (Size as equal to the silencer)	<b>RECD SIZE</b>	Huge Size(Occupies more space 50% size of the DG set) 
 Very low	<b>ERECTION COST</b>	Very High 
 1-3 days	<b>TIME REQUIRED FOR ERECTION</b>	7-15 days 
 Negligible	<b>OPERATIONAL COST</b>	Moderate - High (Due to Carbon soot disposal, rotating & movable components with high voltage device) 
 Negligible (Self-Cleaning/Continuous Regeneration Technology)	<b>MAINTETENANCE</b>	Collected Carbon Soot Safe Disposal Challenge - High Voltage Devices 
 20 years (or) 20,000 hours whichever is earlier	<b>LIFE SPAN</b>	6 years (or) 6,000 hours whichever is earlier 
 No visible smoke	<b>INITIAL SMOKE</b>	Heavy Black smoke 
 No soot collection	<b>CARBON SOOT COLLECTION</b>	Yes soot collection 

# WORKING PRINCIPLE

Our device uses the Cat-Con technology that reduces the harmful gases through chemical reactions. Two process takes place one is the oxidation process and other is regeneration trap with self-cleaning technology to reduce the harmful emissions such as PM, HC & CO.



## CLIENTELE



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