



Retrofit Emission Control
Device (RECD)
for Diesel Generators



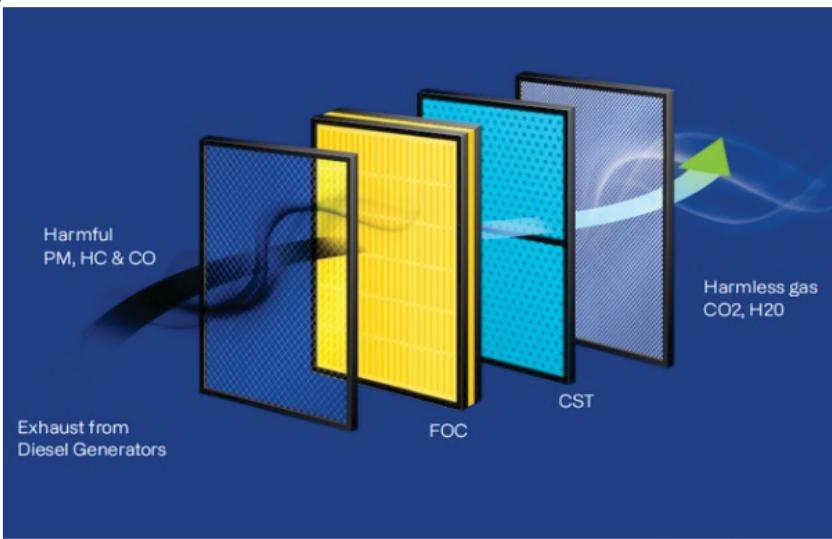
VTECH POWER SYSTEMS

GENERATORS | RECD | Electrical Panels | SOLAR

VTech Power Systems

VTech Power Systems is in to power back up solution since more than 21 years. **VTech** is on the mission to reduce the pollution of gensets through collaboration with innovators and technocrats and contribute into National Clean Air Programme(NCAP).

We are authorised Channel partner of Type approved emission control Devices manufactured by Platino for Diesel Generators from 15 kVA to 2500 kVA.

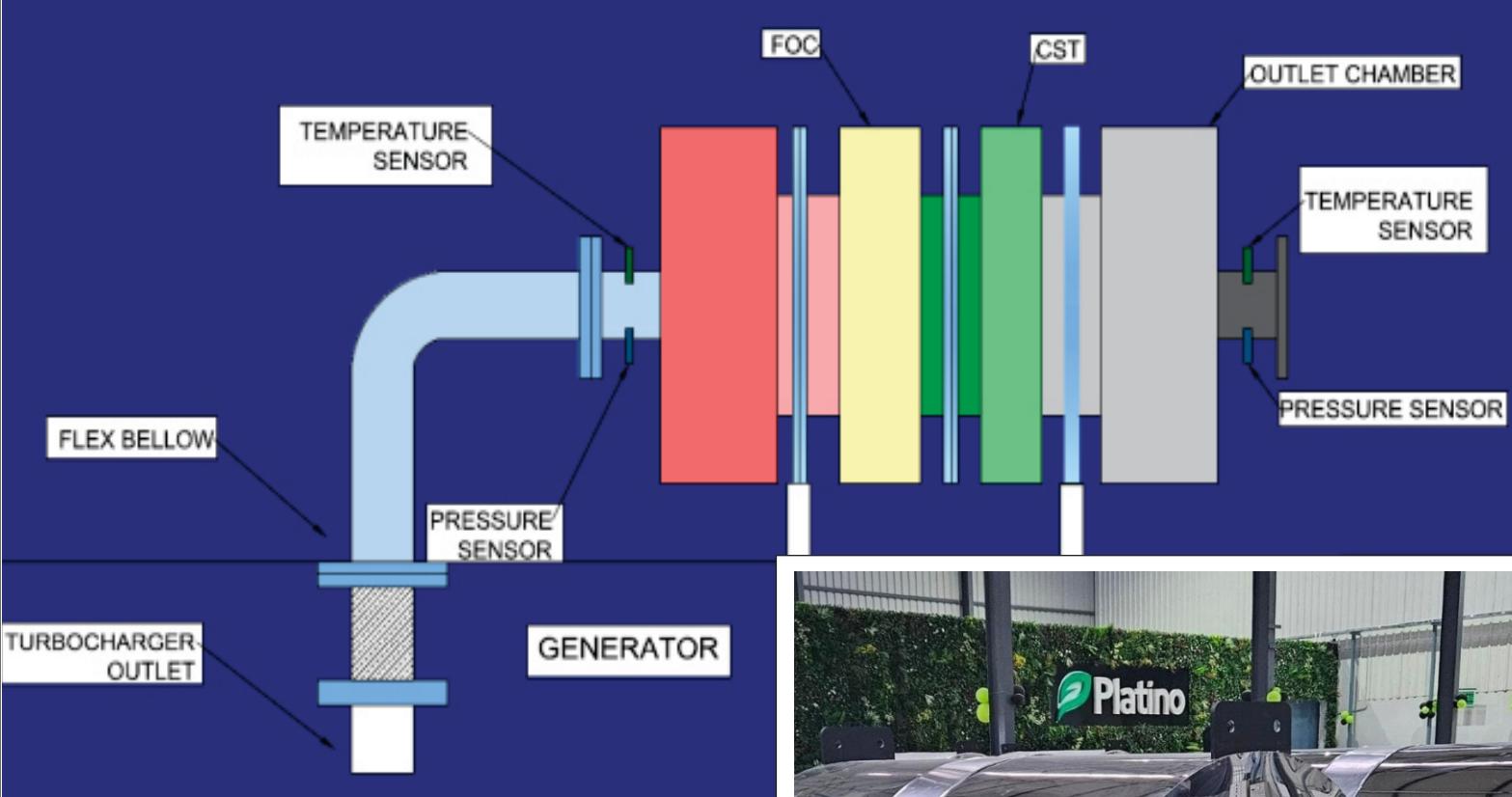


➤ RECD TECHNOLOGY

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.



Working Principle



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



High Efficient
PM reduction Upto 97%



Compact RECD with
CO & HC reduction



No by-product
generation

ADVANTAGE

- Proven Globally accepted technology.
- World's First & only RECD with ZERO Back pressure (As per ARAI Test Report).
- In line with CPCB latest norms with On Board Diagnostic Panel safety systems.
- Very 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 is not required.
- Installation 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.

COMPARISON

PLATINO'S RECD

ELECTROSTATIC PRECIPITATOR

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



VTECH
POWER SYSTEMS
GENERATORS | RECD | Electrical Panels | SOLAR

Office No. 6, 3rd floor, "Balaji Empire", Near 7 loves flyover,
F. P. No. 315, Shankar Sheth Rd., Pune 411042. (INDIA)

✉ vidyadhar.tembe@vtechpowersystems.com

🌐 www.vtechpowersystems.com

📞 020-26441205, 9881737422