

Powerup Without Polluting



Upto 70- 90%
Reduction in Emissions



Particulate Matter (PM)
Hydrocarbon (HC)
Carbon Monoxide (CO)

5000+

Successful Installations

2000+

Happy Customers

Stage 1

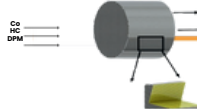
Uniformity Generator

It is designed to reduce exhaust flow noise. It incorporates specialized contours and meshes that transform the exhaust flow into a laminar state upon entry. This process eliminates turbulence and suppresses noise frequencies effectively.

Stage 2

Oxidation

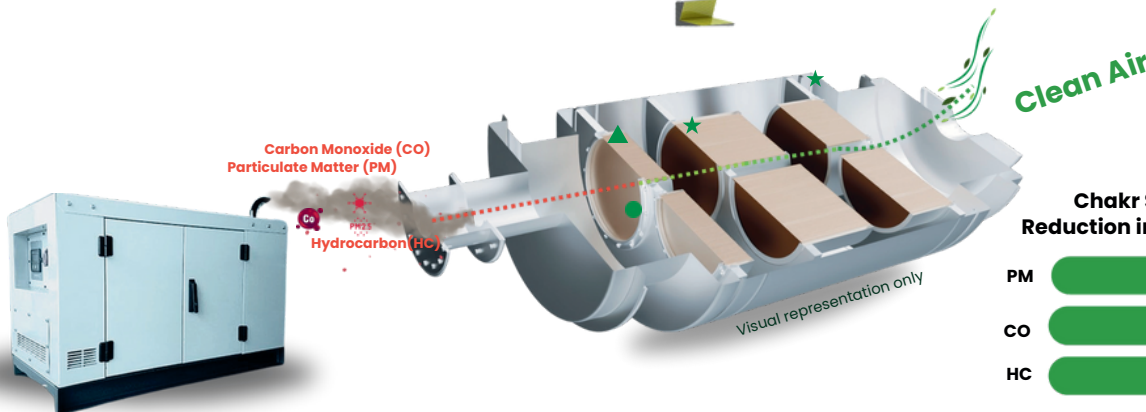
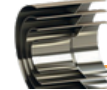
A substrate with proprietary catalytic material accelerates reactions, converting exhaust gases to cleaner air.



Stage 3

Particulate Regenerative Trap

The substrate-based PRT traps by upto 70-90% of PM, passively regenerating via an anisotropic catalyst.



Chakr Shield: Reduction in Emissions



**Drive Performance,
Cut Emissions: Empower Your Diesel Generators, Sustain the Earth.**



Design

Modular & Customizable,
Adaptive for any site



Durable & Robust

Consistent performance for
a long-lasting solution



Smart Tech

IoT diagnostics with predictive
maintenance



Clean and Green

No secondary Pollution



Noise Decibel

<75 DB equivalent performance
as a muffler



No Engine Stress

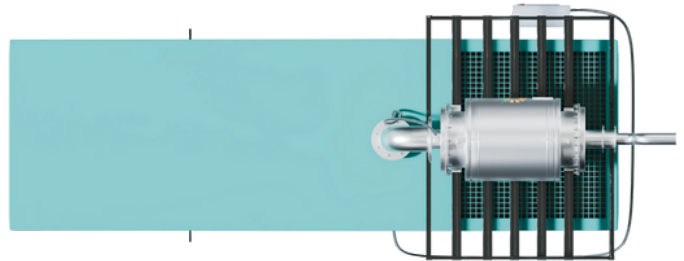
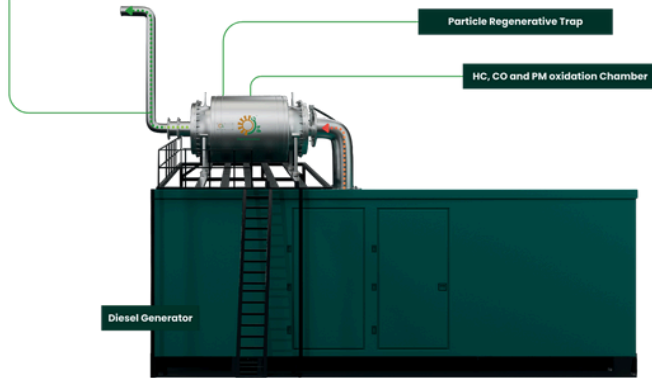
Maintains back pressure within
permissible limits

CPCB- COMPLIANT EMISSION CONTROL FOR DGs



- ✔ CPCB Mandated Solution
- ✔ NCAP & ESG Compliance
- ✔ Up to 90% Emission Reduction
- ✔ Cost-Effective & Reliable
- ✔ Avoid Penalties & Restrictions

Chakr Shield Retrofit Emission Control Device (RECD)



UNITED FOR A CLEANER FUTURE

HITACHI



“ We installed the Chakr Shield at our Hitachi Astemo Fie P Limited facility in Bawal to reduce particulate matter emissions from our diesel generators. The entire process, from understanding the device to installation, was seamless. After monitoring the system for 4 months, we’re fully satisfied with its performance. The maintenance was prompt, and the Chakr Innovation team was responsive and professional throughout. We’re pleased to see young IIT-Delhi innovators addressing air pollution and look forward to more installations in the future.”

“ Thank you very much for commissioning the Chakr Shield at our Gurgaon site and sharing the third-party test reports. We’re quite pleased to see the positive results and hope this performance continues during the pilot run. Once again, we appreciate your innovative product which is already cutting down our PM emissions, thereby protecting our environment and people nearby. Looking forward to more such installations in the future to sustainably reduce the impact of our activities on the environment.”

“ The Chakr Shield has shown consistent and gratifying performance without having any negative impact on DG set’s efficiency. “I am glad to see such an abled team of innovators to create a positive change in the society.”

Manufacturing



Infrastructure



FMCG



IT & Tech



Hospitality



Pharma



Defense | Govt & PSU



Corporate Office

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Manufacturing Plants

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Also available on GeM Under category 'Retro-fit Emission control equipment for Diesel Generators'