

# Diesel oxidation catalyst - DOC

Prepare for decarbonization



CatEMission's Diesel Oxidation Catalyst (DOC) system is a state-of-the-art solution for significantly reducing harmful emissions from diesel engines and industrial flue gases. The system employs a catalytic converter that promotes the oxidation of exhaust gases.

Components ensuring cleaner emissions and contributing to the efficiency of the downstream process – pollution control systems.



## DOC System - Reduction Standard

### KEY BENEFITS

- 1. Effective Emissions Control:** Converts carbon monoxide (CO), hydrocarbons (HC), and VOCs into carbon dioxide (CO<sub>2</sub>) and water, effectively reducing pollutants.
- 2. Customizable substrates:** Available with ceramic, silicon carbide, or metal substrates, designed to fit any specific vessel and reduction levels.
- 3. Odor reduction:** The oxidation process significantly reduces the odor of diesel emissions, contributing to a more pleasant environment.

### COMPLIANCE

The DOC system is specifically designed to help meet strict emissions standards.

### CERTIFICATIONS AND APPROVALS



PGM (Pt / Pd / Rh) / WASH RECIPE:  
Adapted to each application, ensuring optimal performance and longevity.

The system has been rigorously tested and proven to achieve significant reduction in hydrocarbons (HC, PAH), VOCs, and CO.