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# Multi-Genset Installation – Cummins QSK60-G4 Engines

#### Engine Size

QSK60-G4 - per unit  
(3 units total)

#### Sector

Healthcare / Hospital Infrastructure

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## Project Overview

This project required the installation of airless SCR systems on three Cummins QSK60-G4 generator sets in a medical facility that remained operational throughout the retrofit. The challenge involved three unique installation layouts while ensuring seamless integration and shared DEF delivery.

## Solution Provided

E.I. Williams/IMS design cost-effective customized solution by providing airless SCR solution using a shared DEF infrastructure. For instance, in this project, a central DEF tank with remote fill capability was installed to support all three engines simultaneously. The control logic included closed-loop dosing and smart diagnostics, ensuring full emissions compliance and operational reliability.

## Visual / Instalation Photos



## System Specification

Generator	Cummins QSK60-G4
Quantity	3 units
NOx Reduction Target	90% (EPA Tier 4 Final)
DEF System	Single 10,000-liter main DEF tank with remote fill
Monitoring	Real-time NOx, temperature, back pressure, injection data
System Access	Centralized diagnostics, remote fill location
Installation Layouts:	Three distinct mechanical configurations
Integration	Closed-loop control system with fault monitoring and logging

## Results & Impact

NOx Reduction Achieved	90%
Compliance	EPA Tier 4 Final
Continuity	Medical facility remained fully operational during installation
Diagnostics	Real-time monitoring with comprehensive logging
Efficiency	One DEF tank served all units with simplified servicing

If you have any questions, please reach out to us at [info@eiwilliams.com](mailto:info@eiwilliams.com) or (905) 428-0950