

Exhaust emissions and noise measurements of Iteknogenerators

Bonaire, 2019

Client info:



Name: Iteknogenerators
Sector: Power/Utility
Location: Bonaire

Iteknogenerators provides turnkey gas/diesel based powerplants. Iteknogenerators has reached over 2000 MW of installed capacity with the services provided in 200 projects in Turkey, Iraq, Egypt, Algeria and Sub-Saharan Africa.



Rationale: Iteknogenerators has requested noise and exhaust emission measurements be done of their five diesel engines recently installed on Bonaire. This in order to check compliance with applicable regulations and contractual obligations to their client.

Approach: EcoVision enlisted TAUW B.V. from the Netherlands to conduct stack measurements of nitrogen dioxide (NO₂) and particulate matter (PM). The emissions of sulphur dioxide (SO₂) were calculated. Noise measurements and modelling of the noise immissions were done by EcoVision. All measurements and modelling were done according to applicable regulations.

Outcome: A report was submitted stating the exhaust emissions of the stacks and the modelled noise immissions at locations surrounding the powerplant. The report includes a compliance check with the applicable regulations.

Client reference: *“In our Bonaire extension project in 2019, EcoVision provided us with noise and exhaust emission sampling, analysis and computerized modelling. EcoVision service was excellent in terms of technical knowledge and their utmost attention to our challenging requirements. I strongly recommend EcoVision for environmental consultancy”*