heat

Hager Environmental & Atmospheric Technologies

Valid and Fair Low Emission & Clean Air Zones Begin with EDAR

A Fair Low Emission Zone *starts with real-time data for* ***Continuous Monitoring*** *of vehicles in and around an LEZ in order to allow vehicles to enter the zone* ***Based on Actual Emissions Regardless of Euro Class; which Incentivizes Positive Behavioral Changes*** *in the fleet.*

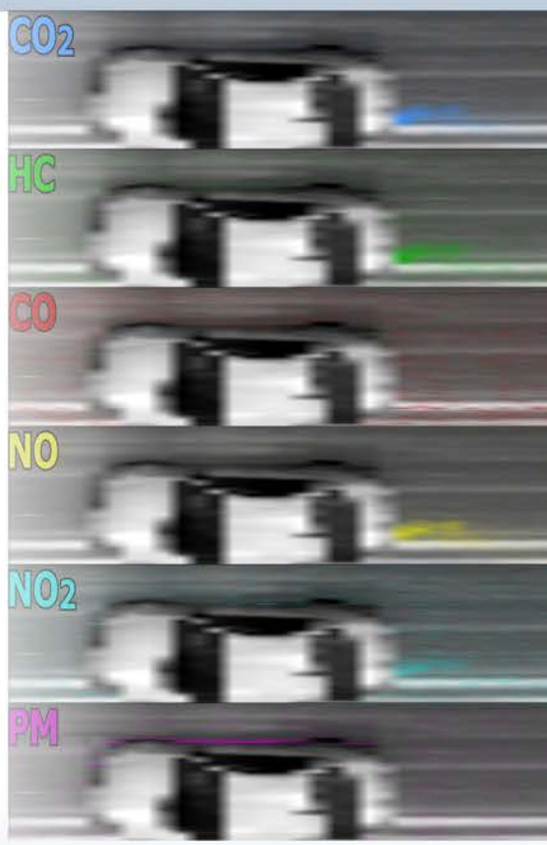
EDAR *provides Continuous Monitoring for* ***Market Surveillance and In-service Conformity Checks*** *along with real time detection of high emitting vehicles for* ***Anti-tampering Campaigns.***

EDAR *can easily integrate into existing infrastructure to create a* ***Smart City Environment*** *with the most cutting edge and fair way to identify real world emissions.*

EDAR is a Cost Effective *way of capturing large amounts of accurate and valid vehicle emissions data in a short amount of time.*

The EDAR Technology

EDAR *is an eye-safe, laser-based, NASA Spinoff Remote Sensing technology that is able to* ***Accurately Detect & Quantify Emissions*** *from a moving vehicle regardless of tailpipe location all in a single footprint; measuring* ***CO, CO_2, NO, NO_2, NOx, PM, Total & Speciated HC*** *for both heavy- and light-duty vehicles.*



EDAR is an ***Unmanned System*** *that can operate on* ***High Speed, Multi-lane Roadways,*** *even in congested traffic situations and in difficult weather conditions,* ***Without the Need for Calibration*** *and is able to image the plume as well as detect the temperature of the exhaust in real-time.*

EDAR has been Repeatedly Proven & Validated *by government entities in North America & Europe in both real-world and lab settings. Results are comparable to in situ devices. USEPA evaluation shows EDAR accuracy to be* ***R^2 of .996(CO), .998(NO), .983(CH_4), & .996(C_3H_8).***

EDAR's Superior Innovations *allow for the detection of the entire plume resulting in* ***Absolute Amounts of All Gases Including CO_2.***

EDAR's data collection in Paris "represented one of the largest remote sensing data sets collected in Europe to date." -TRUE Initiative