

Automatic Aerosol Monitoring Solutions

November 2018

AAMS - Air Quality

Natural & Anthropogenic atmospheric pollution

CE318-T
iAAMS
CE376/CE370

Scan to see the datasheets



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EXPLORE THE CLIMATE

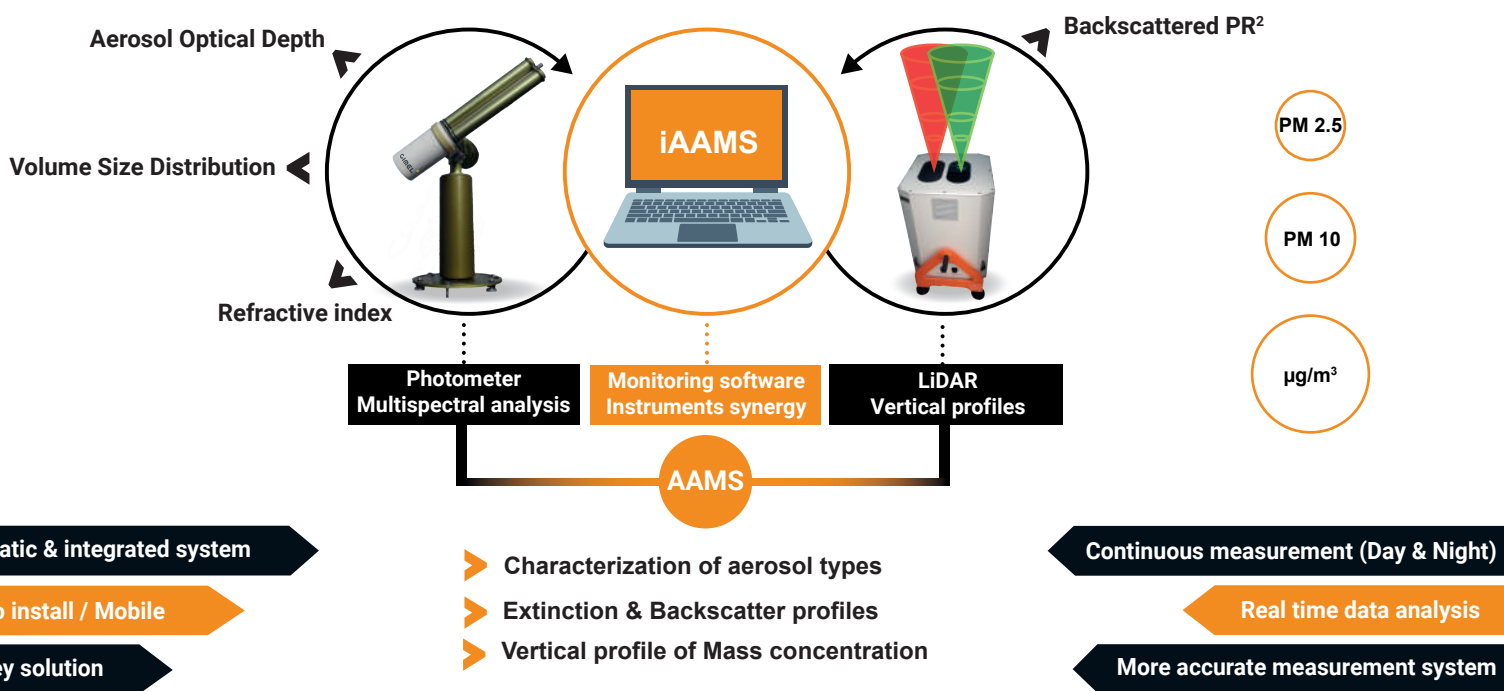




SYNERGY BETWEEN CIMEL INSTRUMENTS

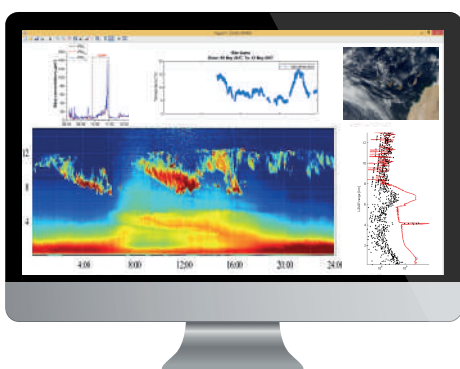
The effects of atmospheric aerosols at global scale on climate change and environmental evolution are critical for coming generations and the future of our planet.

Cimel provides instrument synergies between Photometers and LiDARs through a unique monitoring software iAAMS, dedicated to the aerosols study and analysis.



HOW DOES IT WORK?

Cimel's AAMS is able to automatically locate, identify and quantify aerosols, layer by layer, day and night.

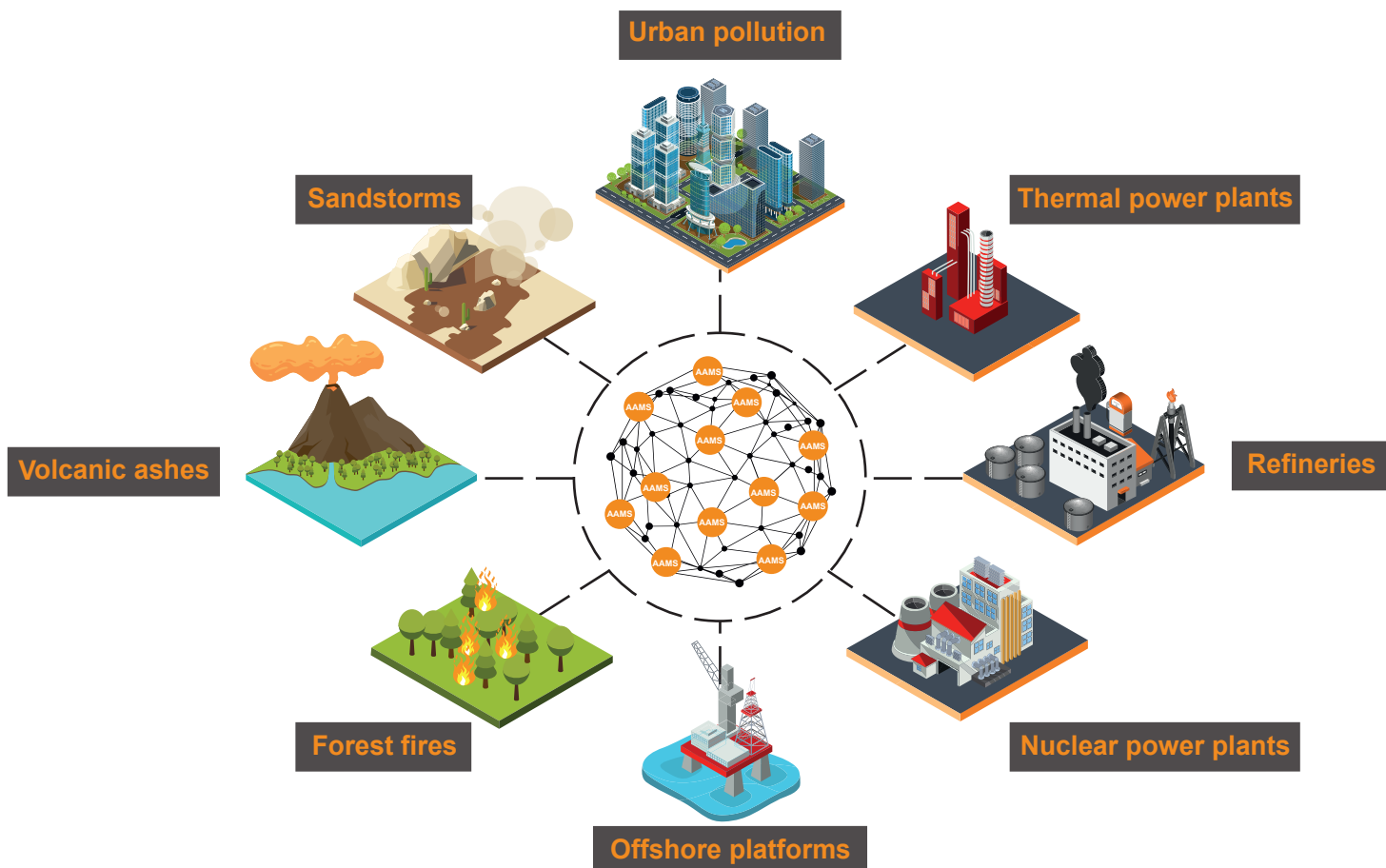


Our monitoring software **iAAMS**

Integrated **A**utomatic **A**erosol **M**onitoring **S**oftware

- ✓ Compatible with CE376, CE370 LiDAR & CE318-T photometers
- ✓ Data exportation (NASA - AERONET compatible)
- ✓ Data processing through complex algorithms
- ✓ Dashboard & processing customization
- ✓ Flexible network management

APPLICATIONS - AIR QUALITY



Understanding of atmospheric aerosol phenomena

Models & data centers implementation for the pollution forecast (synergies with in-situ)

Validation of air quality control policies (alternated traffic/ sources)

Impacts quantification of the pollutant emissions

Warning system level limits + intrusion control

Efficient

High altitude detection profiles

Automatic detection of multiple boundary layers + PBL

Automatic calibration

High metrological stability

Operational

Robust and climate resistant

Light and portable (M-AAMS vehicle integration)

Eye safe (compliant with EN-60825 / ANSI Z136)

Single or multi-users with real time processing display

Cost saving

Unattended continuous operation

Full outdoor installation

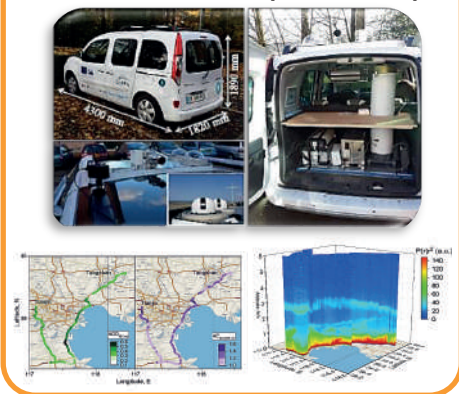
Low maintenance

Compact and disruptive solution (industrialized)

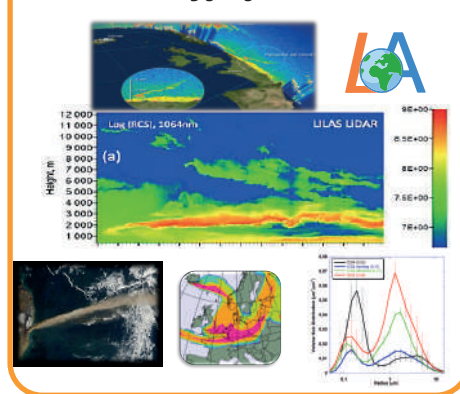
Cimel Electronique is a French manufacturer of meteorological and atmospheric observation systems for "climate - sensitive" activities

OUR REFERENCES

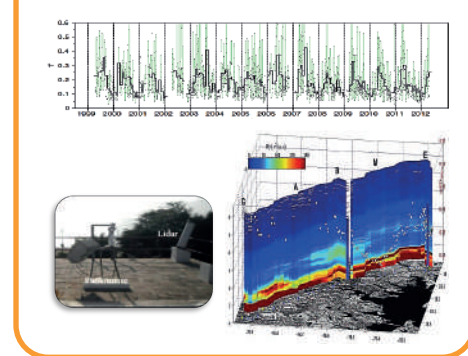
Mobile AAMS (M-AAMS)



LOA / Eyjafjöll Volcano



Fixed AAMS platform M'bour SENEGAL



ADEME



Agence de l'Environnement et de la Maitrise de l'Energie



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