

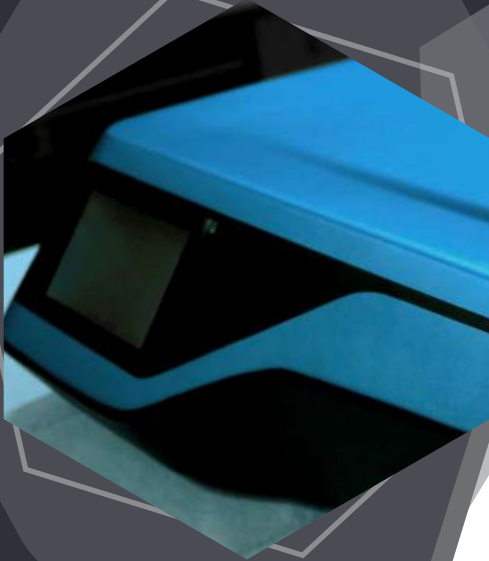


Benzeen

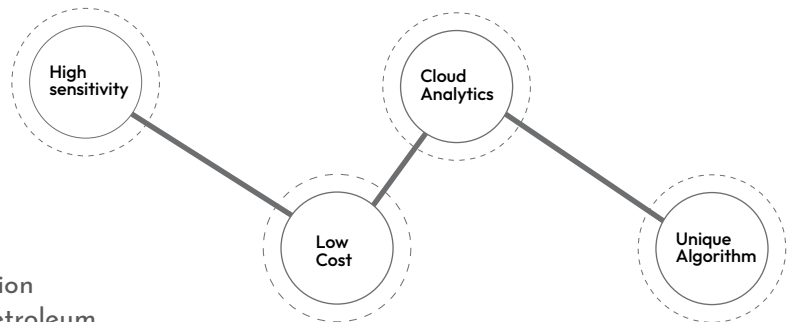


Features

- In-situ realtime monitoring
- Upto ~3 ppb detection limit
- Easy to deploy
- Solar powered
- Cloud connected Data Analytics



Uniqueness



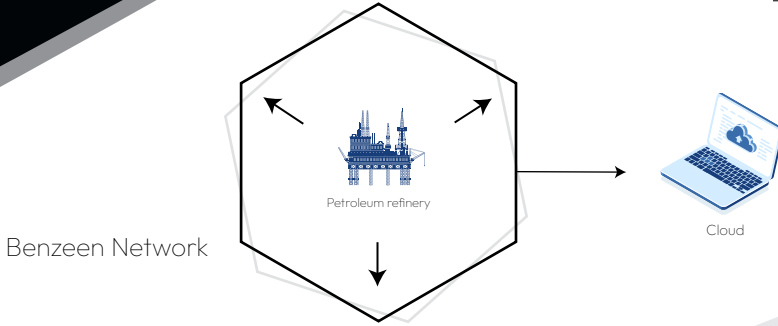
As per the United States Environmental Protection Agency (US EPA) compliance regulations for benzene emission into the atmosphere by the petroleum industry, we realized non-invasive and in-situ real-time measurement of benzene at a high spatial and temporal resolution

The most obvious application of the instrument is in the fence line monitoring of oil refineries and other petroleum-based industries. Chemical plants, waste-water treatment plants, processing facilities, storage facilities, transportation equipment (rail, road, and maritime), and public places in urban areas too can be equipped with this instrument for point monitoring of benzene.





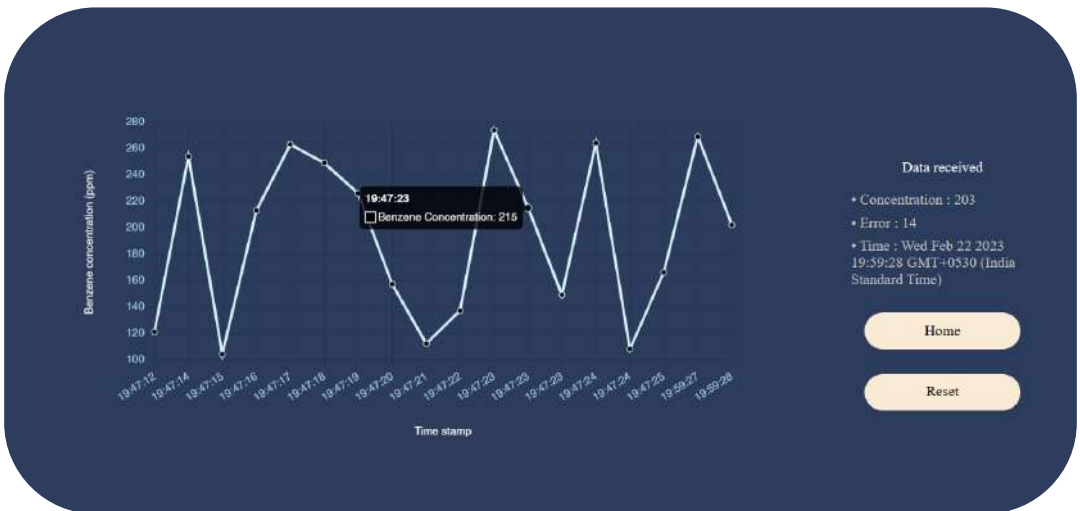
Deployment



A standalone instrument that has the capability to store data on its hard drive as well as communicate to a cloud (based on user preference) thereby allowing a network of monitors for better mapping of benzene in a specific location

Interface:

- Integrated touch screen with real time graphical display of benzene concentration.
- Cloud connected (IoT) and data could be accessed via our web application.
- Additional facility of post processing of previous data and its graphical visualization.



Live benzene concentration plot : Cloud interface

Product Specifications

Instrument model : BX020-23

Sensor type: Optical cavity

Application:

- Fence line monitoring in oil refineries
- Real time point measurements in :
 - chemical plants
 - waste-water treatment plants
 - processing facilities
 - storage facilities
 - transportation equipment (rail, road, and maritime)

Minimum detection limit: 3 ppb

Operating conditions:

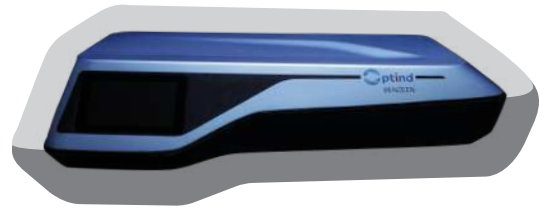
- Temperature - 0° to 80°
- Humidity - 0 to 90 % condensing
- Dust and moisture protection - Equipped with HEPA filter

Power:

- Dual mode - 110/230 V AC
- Current consumption - < 6 ampere
- Equipped with solar connectivity ports

Value additions:

- Solar panel with battery units (24 hour back-up) and power converter
- SaaS: Data analysis platform on subscription basis
- AMC



About Us

Optind stands out as one of the leading company in India, as far as Climate Tech is concerned. The company has got expertise in instrumentation solutions for designing and implementing products for varied needs in the field of air quality monitoring. Optind also provides software solutions for other companies dealing with instrumentation projects. Our rich R&D team enhances the growth of the company in multiple dimensions and helps providing quick solutions to our

Contact

Phone :

+91 702 585 9999

0495 2968751

Email :

admin@optind.in

Address :

5/1006,

Power Electricals Building Kattangal

NIT Campus P.O Kozhikode,

Kerala, India- 673601