UNITECH - Real-time Pollution Data Monitoring System As Per CPCB Guidelines

UNITECH

KEY FUTURES

+ **Can connect different analyser with all communication ports.**
+ **Can do any Remote Calibration Analyzer Make and Model**
+ **Automatic server base data Back filing facility in RTU With 4 GB Memory.**
+ **Supports immediate and scheduled Remote Calibration of Analyzers**
+ **Different Solution available like wired/wireless / GPRS/ Ethernet etc..**
+ **Live Consolidated Dashboards including Analyzer Status and Faults**
+ **PTZ- RTSP Protocol Camera Connectivity.- Auto E- Mailing and Auto SMS Facility.**
+ **Real time data monitoring and treading dashboard with alarm.**
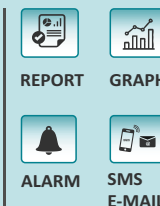+ **Auto generation of Qual 3 Reports and CUSUM, SHEWART and EWMA charts**

CAMERA

Sox
Nox
CO
Cl2
VOC

PM

AIR FLOW

CEMS

STACK AIR MONITORING

ANALYSER

ANALYSER

CAMERA

BOD
COD
TDS
PH
FLOW
TSS

EQMS   **WATER MONITORING**

ANALYSER

Any signal Can Accept
- 4-20 mA
- Ethernet
- RS-485
- RS-232

ETHERNET
GPRS-SIM

DAS - RTU

LOCAL DISPLAY-SCADA

REAL TIME DATA
DASHBOARD AT LOCAL SITE

CPCB SERVER

REPORT   GRAPH
ALARM   SMS E-MAIL

SPCB SERVER

REPORT   GRAPH
ALARM   SMS E-MAIL

UNITECH SERVER

REPORT   GRAPH
ALARM   SMS E-MAIL

UNITECH - Real-time Pollution Data Monitoring System As Per CPCB Guidelines

Remote Calibration Systems

ZERO GAS
100 PPM NOX SOX
Remote COntroller

Main Gate Display

CONTINUOUS EMISSION MONITORING SYSTEM

PARAMETERS	CONCENTRATION	STANDARD LIMIT
SO2	90.00	65.06
CO2	25.99	66.79
NO2	77.90	80.90
08/09		16:15

MODEL-UT1820

KEY FUTURES

- ✦ Can connect different analyser with all communication ports.
- ✦ Can do any Remote Calibration Analyzer Make and Model
- ✦ Automatic server base data Back filing facility in RTU With 4 GB Memory.
- ✦ Supports immediate and scheduled Remote Calibration of Analyzers
- ✦ Different Solution available like wired/wireless / GPRS/ Ethernet etc..
- ✦ Live Consolidated Dashboards including Analyzer Status and Faults
- ✦ PTZ- RTSP Protocol Camera Connectivity.- Auto E- Mailing and Auto SMS Facility.
- ✦ Real time data monitoring and treading dashboard with alarm.
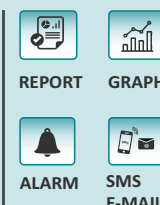- ✦ Auto generation of Qual 3 Reports and CUSUM, SHEWART and EWMA charts

CAMERA

Sox
Nox
CO
Cl2
VOC

PM
AIR FLOW

CEMS

STACK AIR MONITORING

ANALYSER

- Ralay
- RS-485
- Ethernet

RS-485 Ethernet

Any signal Can Acept

- 4-20 mA
- Ethernet
- RS-485
- RS-232

ETHERNET
GPRS-SIM

DAS - RTU

LOCAL DISPLAY-SCADA

REAL TIME DATA DASHBOARD AT LOCAL SITE

CAMERA

BOD
COD
TDS
PH
FLOW
TSS

EQMS   **WATER MONITORING**

ANALYSER

CPCB SERVER
REPORT   GRAPH
ALARM   SMS E-MAIL

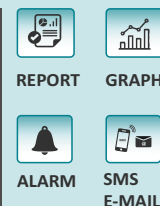### SPCB SERVER
REPORT   GRAPH
ALARM   SMS E-MAIL

UNITECH SERVER
REPORT   GRAPH
ALARM   SMS E-MAIL
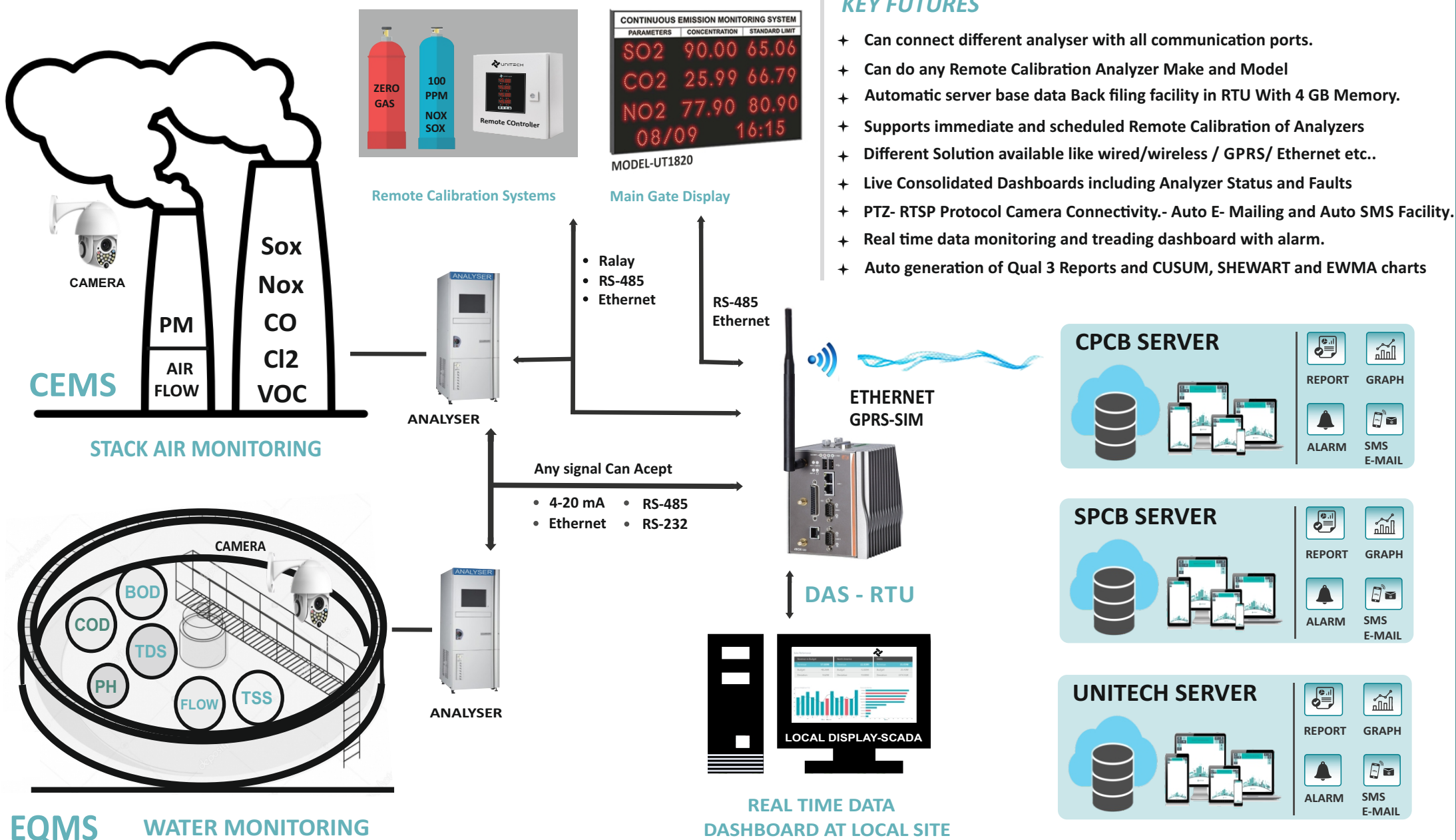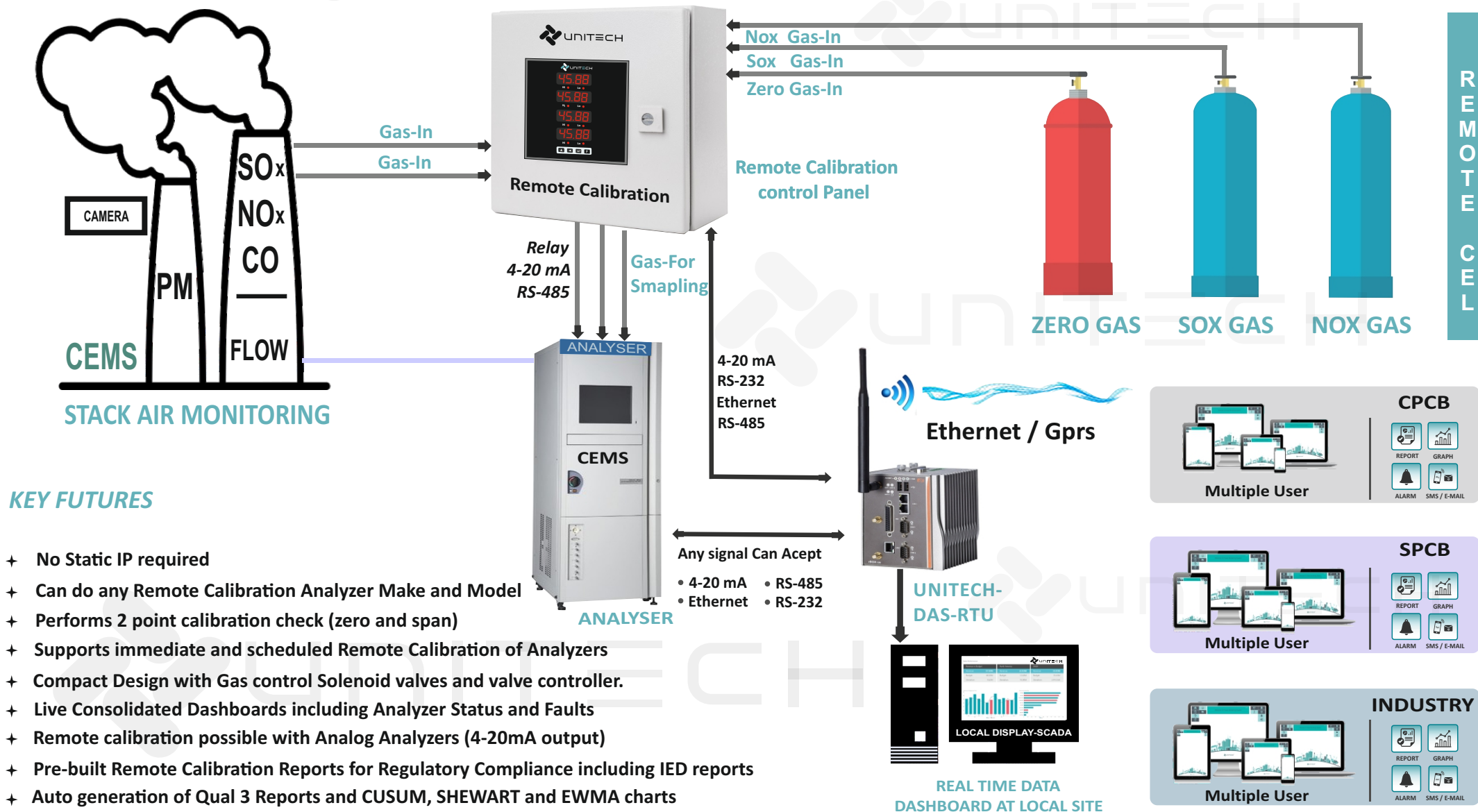
UNITECH Remote Calibration System Complete Remote Calibration unit packaged with all controls and instrumentation ready for performing remote calibration from CPCB Server / SPCB Server. HMI for local calibration Remote calibration, configuration and complete protocol integration with remote diagnostics. As per the COMPLIANCE REPORTING PROTOCOLS FOR ONLINE CONTINUOUS EMISSION & EFFLUENT MONITORING SYSTEMS published by CPCB on 13th March, 2018 requires the industries to submit their Calibration procedures adopted. Also the details of instruments supporting remote calibration , calibration data and calibration history are to be provided. As part of UNITECH we are fully complaint with the requirements for Remote Calibration and Check Procedures laid down by CPCB.

STACK AIR MONITORING

Nox Gas-In
Sox Gas-In
Zero Gas-In

Gas-In
Gas-In

Remote Calibration

Remote Calibration control Panel

Relay
4-20 mA
RS-485

Gas-For Smapling

ANALYSER

CEMS

ANALYSER

4-20 mA
RS-232
Ethernet
RS-485

REMOTE CEL

ZERO GAS **SOX GAS** **NOX GAS**

Ethernet / Gprs

Any signal Can Acept
- 4-20 mA
- RS-485
- Ethernet
- RS-232

UNITECH-DAS-RTU

LOCAL DISPLAY-SCADA

REAL TIME DATA DASHBOARD AT LOCAL SITE

CPCB
REPORT   GRAPH
ALARM   SMS / E-MAIL
Multiple User

SPCB
REPORT   GRAPH
ALARM   SMS / E-MAIL
Multiple User

INDUSTRY
REPORT   GRAPH
ALARM   SMS / E-MAIL
Multiple User

KEY FUTURES

- **No Static IP required**
- **Can do any Remote Calibration Analyzer Make and Model**
- **Performs 2 point calibration check (zero and span)**
- **Supports immediate and scheduled Remote Calibration of Analyzers**
- **Compact Design with Gas control Solenoid valves and valve controller.**
- **Live Consolidated Dashboards including Analyzer Status and Faults**
- **Remote calibration possible with Analog Analyzers (4-20mA output)**
- **Pre-built Remote Calibration Reports for Regulatory Compliance including IED reports**
- **Auto generation of Qual 3 Reports and CUSUM, SHEWART and EWMA charts**

UNITECH - Real-time Pollution Data Monitoring System As Per CPCB Guidelines

UNITECH

Different manufacturing product for The real time pollution data monitoring systems

DAS - RTU	**12 CH IP- RTU-DAS**	**8 CH IP- RTU- DAS**	**4 CH IP- RTU- DAS**	**Multi Parameter display HMI**	**RTU - DAS With HMI**	**REAL TIME DATA DASHBOARD AT LOCAL SITE**

LOCAL DISPLAY-SCADA
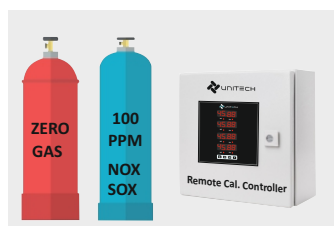
Remote Calibration systems	**RS-485 to Ethernet TCPIP Convertor**	**4 / 8 Analog Input Module**	**RS 485 to 232 or USB Convertor**	**2 Km. Wireless Data Transfer Master slave Module**	**RS 485/232 to USB**

ZERO GAS • 100 PPM NOX SOX • Remote Cal. Controller
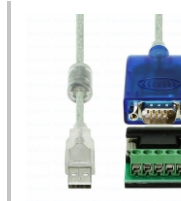
Local LAN Hooter Ethernet/RS485

CONTINUOUS EMISSION MONITORING SYSTEM

PARAMETERS	CONCENTRATION	STANDARD LIMIT
SO2	90.00	65.06
CO2	25.99	66.79
NO2	77.90	80.90
08/09		16:15

MODEL-UT1820

LED DISPLAY

MODEL-UT1830

On Line Ph analizer	**Effluent Water Flow Meter**	**Flow Indicator Totalizer**	**4 Line Scrolling LED Gate Display Matrix**	**Single Line LED scrolling Gate Display Matrix**