Real-time Environment Monitoring and Strategy beyond COVID-19

G Lens

Knowledge Lens

Our Panelist

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Key Focus Area for this Webinar

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1

Impact of COVID-19

What changes do we foresee post COVID19

2

Technology Focus Area

Environment Monitoring Technologies and Data Analytics that matter post COVID19 Lockdowns

3

GLens Platform

Real Time Environment Monitoring Platform (New Features)

Priorities and Focus is Changing!!

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Pre-COVID-19 Focus Area

Top Line Growth & Expansions

Industrial Health & Safety Compliance
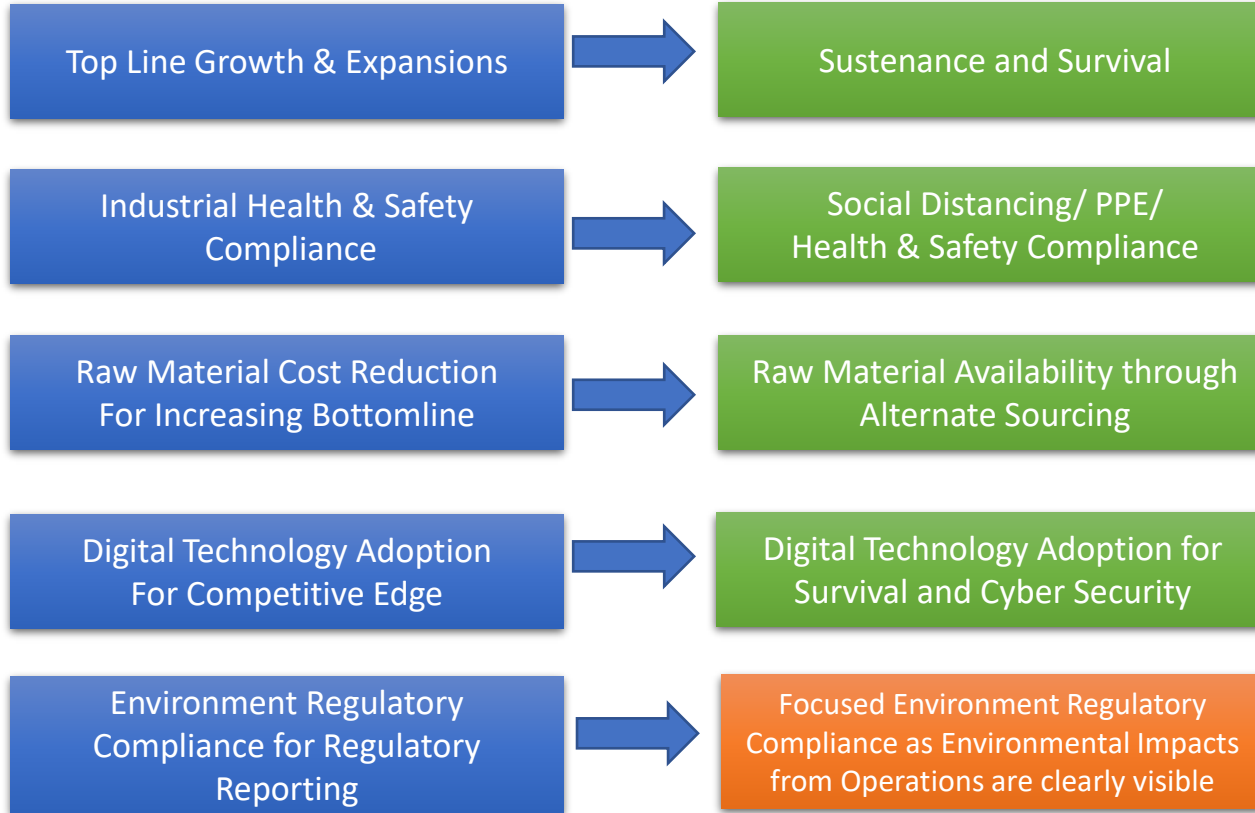
Raw Material Cost Reduction For Increasing Bottomline

Digital Technology Adoption For Competitive Edge

Environment Regulatory Compliance for Regulatory Reporting

Priorities and Focus is Changing!!

Pre-COVID-19 Focus Area

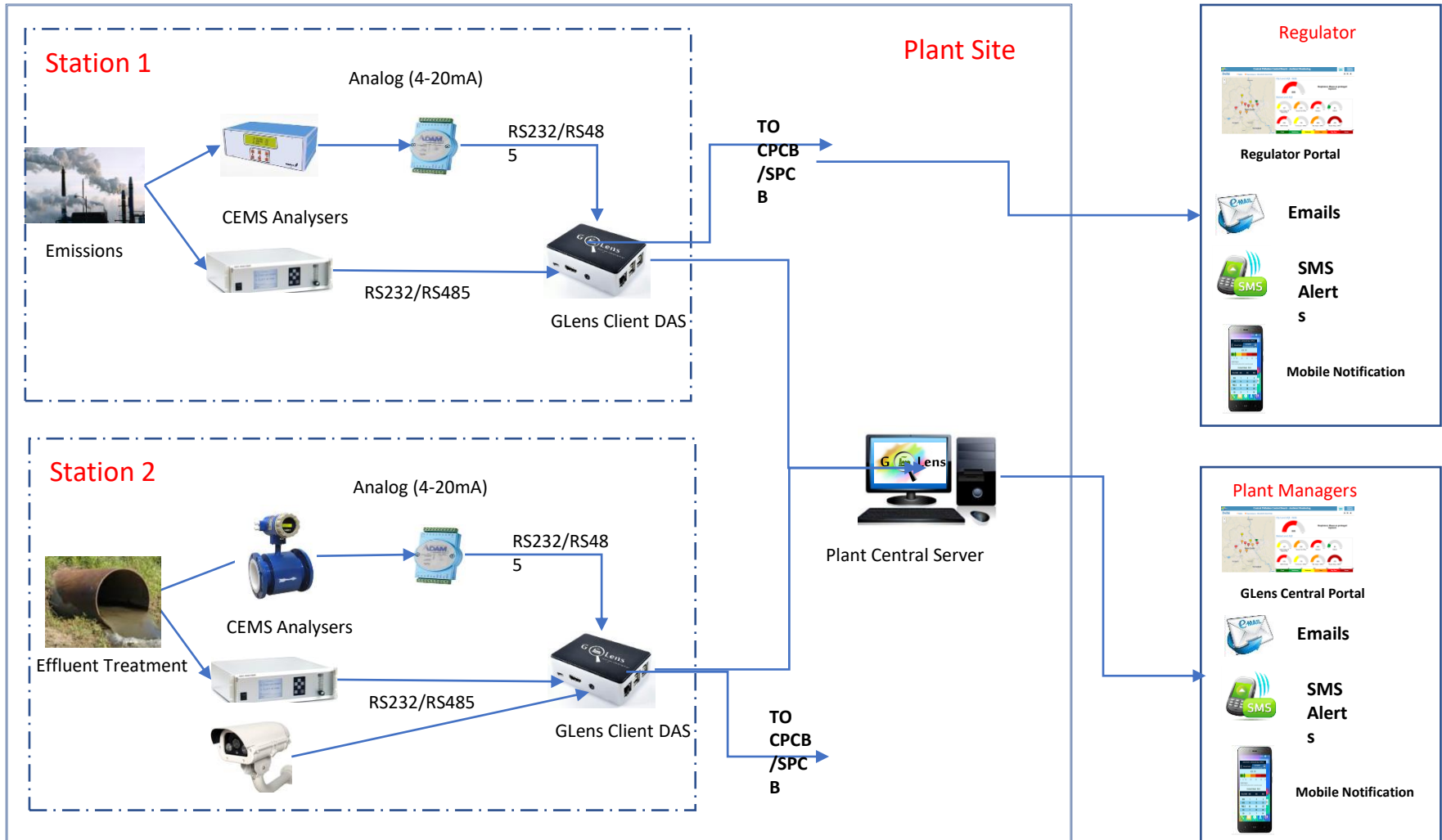**Post-COVID-19 Focus Area**
(Till Next 3 to 6 Months)

Pre-COVID-19 Focus Area	Post-COVID-19 Focus Area
Top Line Growth & Expansions	→ Sustenance and Survival
Industrial Health & Safety Compliance	→ Social Distancing/ PPE/ Health & Safety Compliance
Raw Material Cost Reduction For Increasing Bottomline	→ Raw Material Availability through Alternate Sourcing
Digital Technology Adoption For Competitive Edge	→ Digital Technology Adoption for Survival and Cyber Security
Environment Regulatory Compliance for Regulatory Reporting	→ Focused Environment Regulatory Compliance as Environmental Impacts from Operations are clearly visible

1. Cost Reduction

2. Less Manpower

3. Innovative Business Models

How Current System Works!!

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Plant Site

Station 1

Analog (4-20mA)

CEMS Analysers

RS232/RS485

Emissions

RS232/RS485

GLens Client DAS

TO CPCB /SPCB

Station 2

Analog (4-20mA)

CEMS Analysers

RS232/RS485

Effluent Treatment

RS232/RS485

GLens Client DAS

TO CPCB /SPCB

Plant Central Server

Regulator

Regulator Portal

Emails

SMS Alerts

Mobile Notification

Plant Managers

GLens Central Portal

Emails

SMS Alerts

Mobile Notification

Why Move to IoT Data Logger!!

Today Hardware for
Online Monitoring
running 24/7

Low powered IoT Device
for Data Connectivity

Traditional Model

- Team Viewer or AnyDesk based remote access
- Prone to virus and malware attacks
- High power consumption with PC running 24/7 mostly with Monitor
- Need for space and separate housing
- Usually backed up with UPS etc
- Costly solution
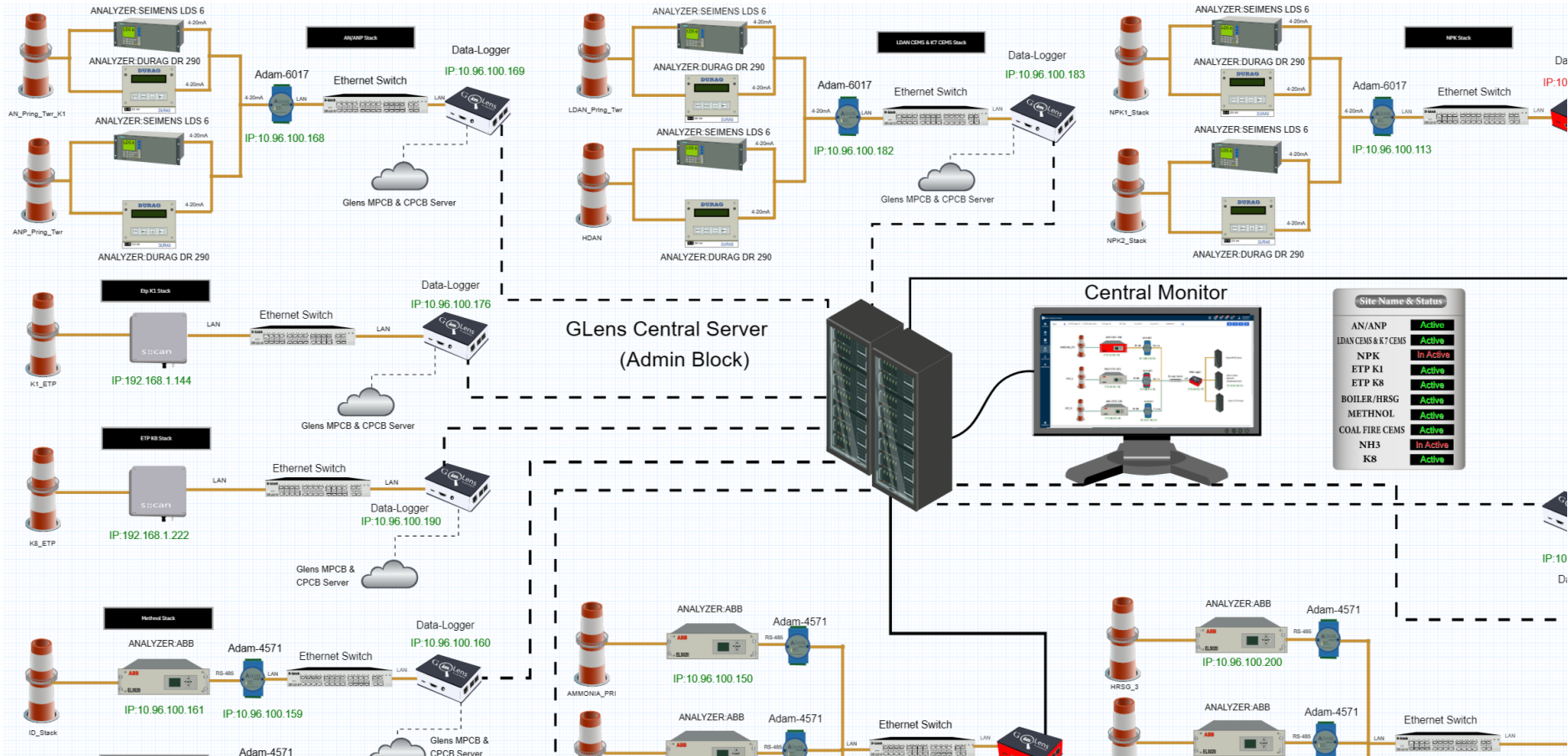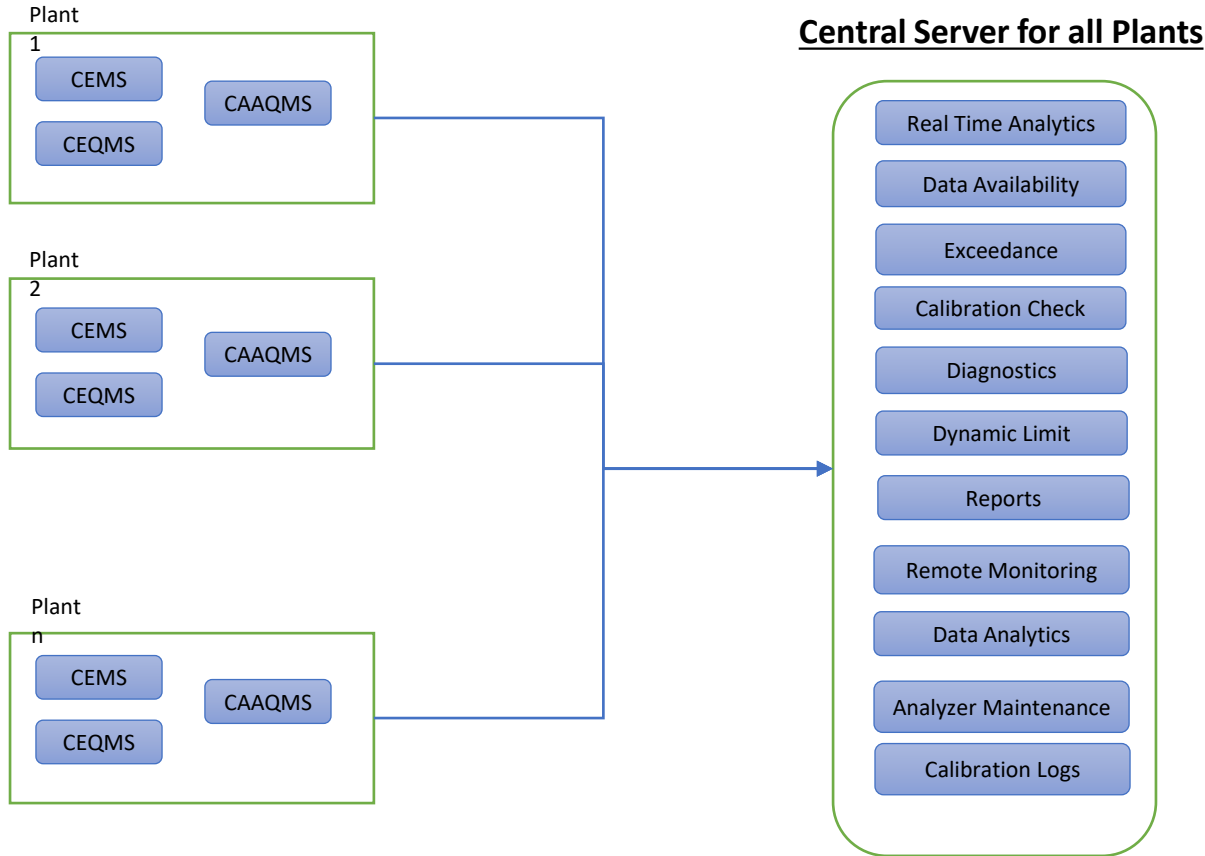- Remote Desktop software required for any controls

IoT Based Data Logger

- Insulated from Cyber Security Issues with high degree of security
- Low Power consumption IoT Devices without any direct Monitors.
- Secured Connected over encrypted channel
- Dual Redundancy over Internet GPRS
- Remotely Configuration and Management
- Co-located with analyzer
- Tamper proof models can be deployed
- 1/10th cost of the Traditional PC

Centralized Monitoring and Control

Centralized Monitoring across Sites