



# M.P. Pollution Control Board (A Statutory Body)

What Prompted the Innovation?



## **A Glimpse of Integrated Monitoring Solution**

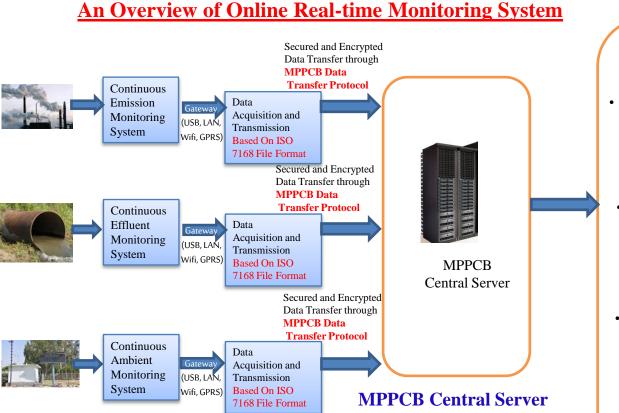
#### **Live Remote Surveillance Dashboard**



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Design & Developed by Team ESC

Version: 1.0.0

## **MPPCB** Integrated RTM Data Transmission





• Effective Environment Decision Making



• Live Monitoring of Pollution Levels





SMS Alerts

Alert Emails

Real Time Alerts on any Exceedance

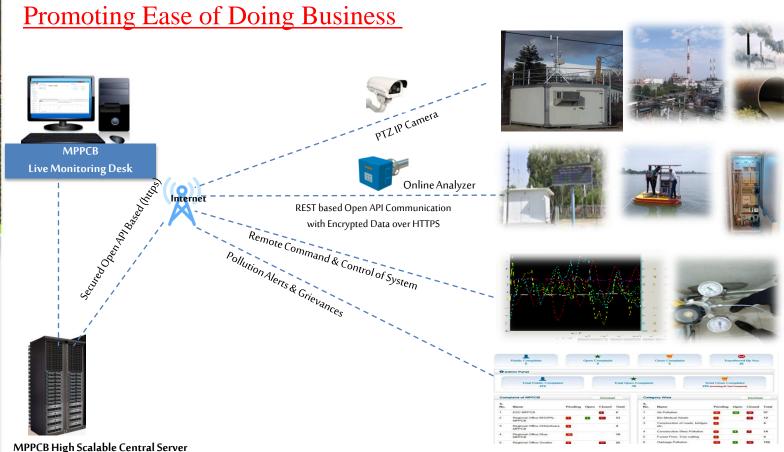
Station	PM10	PM <sub>2·s</sub>	NO <sub>x</sub>	CO	SO <sub>2</sub>	NH <sub>3</sub>	O <sub>3</sub>
Bhopal	-30%	-23%	-69%	-39%	-27%	-7%	8%
Damoh	-33%	-43%	0%	0%	21%	-	-
Dewas	-18%	-6%	-33%	-18%	40%	-33%	34%
Gwalior JU	-32%	-52%	-71%	1%	-22%	-17%	6%
Indore	-30%	-38%	-41%	-50%	-37%	-42%	49%
Jabalpur	-44%	-42%	-61%	-49%	-24%	-17%	62%
Katni	-36%	-50%	-66%	-31%	-47%	-28%	47%
Maihar	-26%	-34%	-3%	3%	-1%	-	-
Mandideep	-55%	-19%	-64%	-29%	-19%	-54%	8%
Pithampur	-15%	-28%	-40%	-40%	-41%	-46%	-8%
Datlam	-23%	13%	-60%	-	-68%	-	-

Environmental Data for Common Citizens

**Live Industrial Monitoring** 



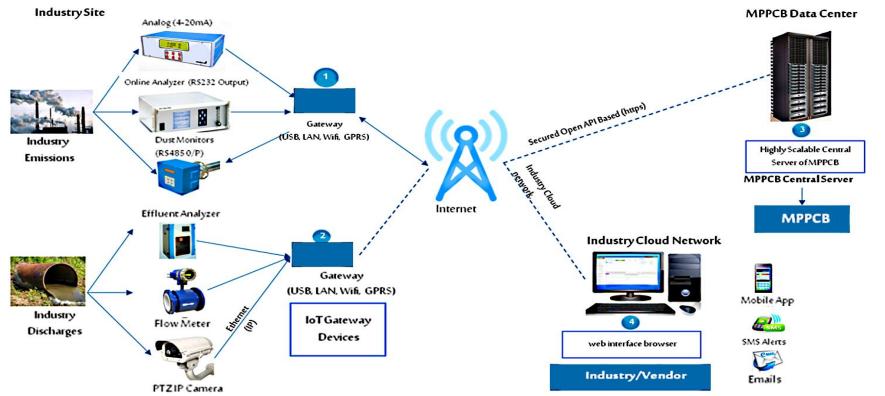
## **Real-time Integrated Environmental Surveillance**





### Remote Validation of Instruments & Data Quality

Derived a mechanism and initiated a process to check the performance of the analyzers remotely for the genuineness of monitoring data received at ESC, MPPCB. This has proved to be a landmark solution, acknowledged by the CPCB and later recommended to all the State Pollution Control Boards to adopt.



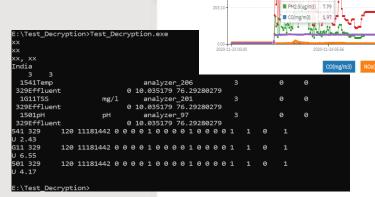


#### Site Audit Soln. for Communication Architecture



Check and verify Data logger, Data Convertor, Network, IP tracing, System internals etc.

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| Comparison | Com
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## **Facilitating the Community**

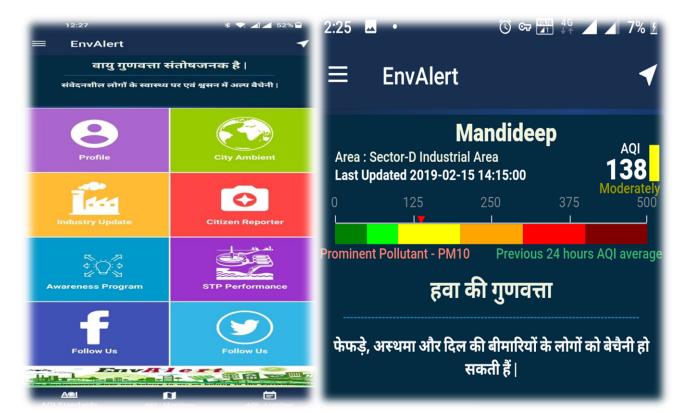
Environment Alert - First ever in-house designed and developed mobile App for Citizens awareness and grievance redressal.





## **Engaging Wider Community for Awareness**

The in-house developed 'EnvAlert' App makes the citizens aware about local pollution, AQI levels, Performance of city STPs, supports in redressing complaints etc.





## Inter Departmental approach for Pollution Control

Inter departmental coordination tool for quick response to the pollution related complaints, routing through a single window system developed by the MPPCB



Complaint of Mil 1 CD					wnioad	
S. No.	Name	Pending	Open	Closed	Total	
1	ESC MPPCB			6	6	
2	Regional Office BHOPAL MPPCB	1		51	53	
3	Regional Office Chhindwara MPPCB	4			4	
4	Regional Office Dhar MPPCB	10			10	
	Parallel Control Contr	1 December 1		Table 1999 Brown		





## **Technology Awareness Programmes**

MPPCB Conducts training Programs for the target groups. The workshop helped in capacity building an d skill enhancement. The ultimate outcome of all the workshops help in better implementation of environ mental protocols in the State in its true spirit.







"Orientation Workshop for MPPCB Officials on Centra Server Application for Real-time Monitoring"

Friday, 15<sup>th</sup> November 2019

Venue: New Conference Hall, MPPCB-HQ, Bhopal

"Interaction Meet with Suppliers and Service Providers of Online Real-Time Monitoring Systems"

Friday, 24th August 2018

Venue - conference Hall, HQ, MPPCB, Bhopal





## **MPPCB Solution Acknowledged at National Level**

