



TRANSWATER
Engineers of Integrated Solutions

AMBIENT AIR QUALITY MONITORING SYSTEM (AAQMS)



What is Ambient Air Monitoring?

Ambient air monitoring is the systematic, **long-term assessment of pollutant levels** by measuring the quantity and types of certain pollutants in the surrounding outdoor air.





1

Assess the Extent of Pollution

2

Provide Air Pollution Data to the General Public in a Timely Manner

3

Support Implementation of Air Quality Goals or Standards

4

Evaluate the Effectiveness of Emissions Control Strategies

5

Provide Information on Air Quality Trends

6

Provide Data for the Evaluation of Air Quality Models

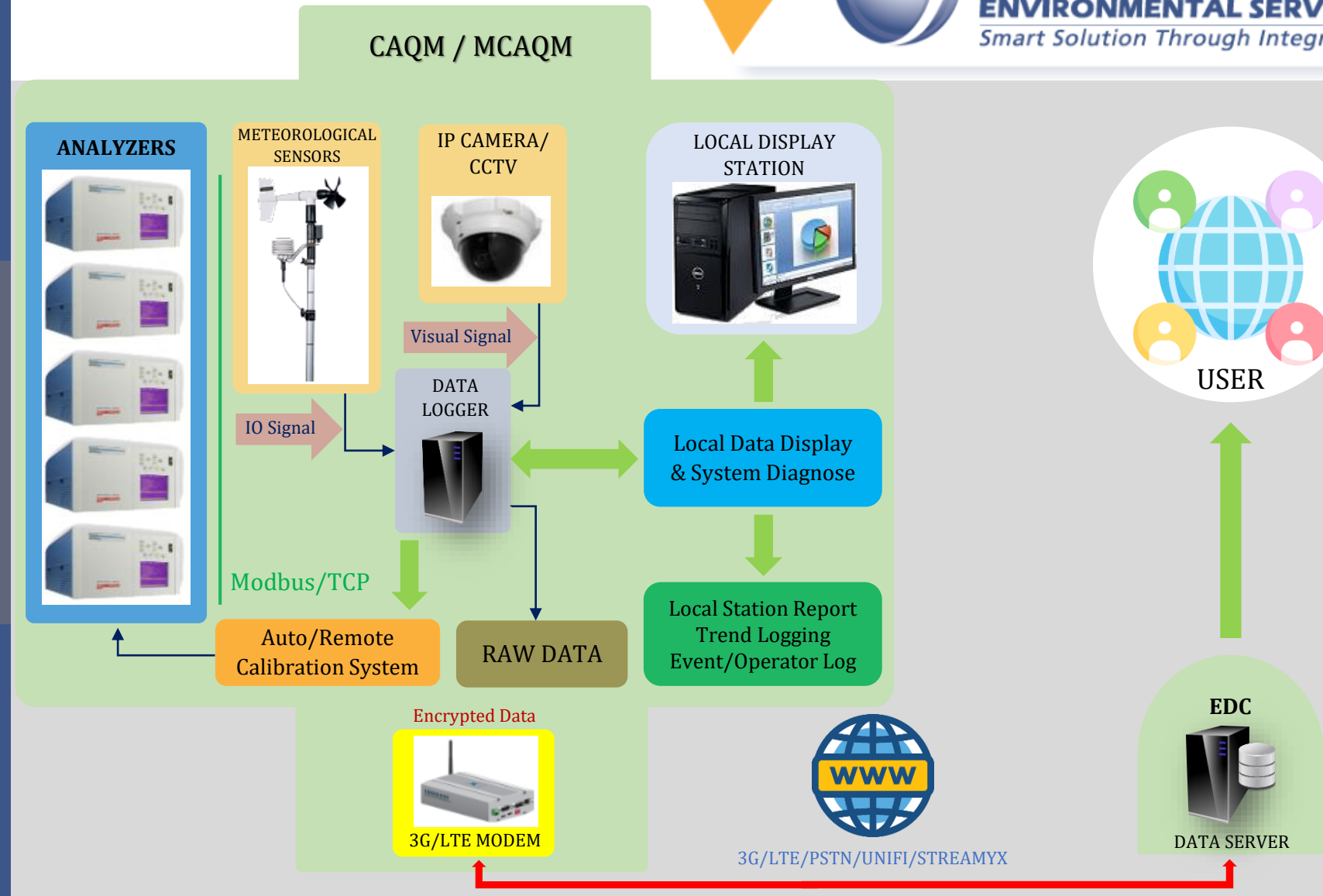
7

Support Research (*e.g., Long-term Studies of the Health Effects of Air Pollution*).

Why perform Ambient Air Quality Monitoring?



Typical Primary AQMS Design





Typical Sensor Technology Design



3G/LTE/PSTN/UNIFI/STREAMYX



USER



Cloud

CLOUD SERVER





Primary vs Sensor Technology

Primary Technology



Limited, mostly to government, industries and researchers

Compliance monitoring, enforcement, trending, research etc.

Government, website, permit record, research database



Sensor Technology



Expanded use by community, individual and indoor

New and enhancement application

Increase data availability and access

Who collects the data?

Why is data collected?

How is data accessed?





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Smart Solution Through Integration

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THANK YOU