



AURASSURE

A real time pollution monitoring network for a city

By

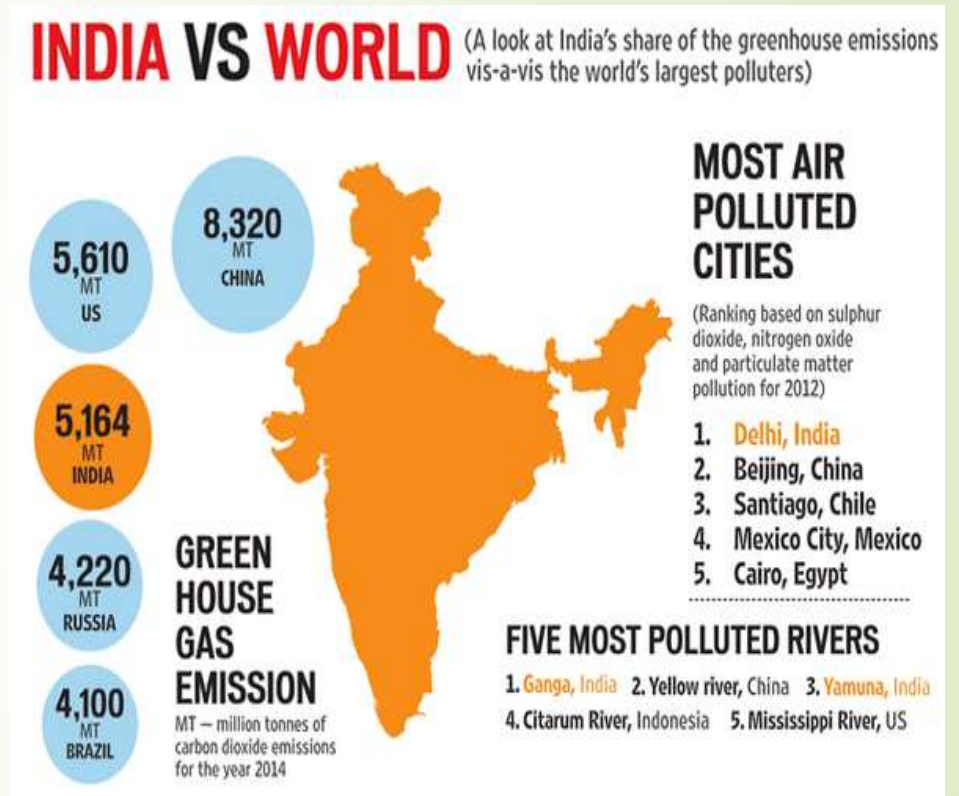
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Bridging technology and Excellence

THE PROBLEM

- India is one of the largest polluter in the world.
- 13 out of 20 most polluted cities are in India.
- Ganga is one of the most polluted rivers
- High technology cost and Imported electronics products
- Lack in infrastructure in order to monitor, analyze and mitigate the problem of pollution in a city.



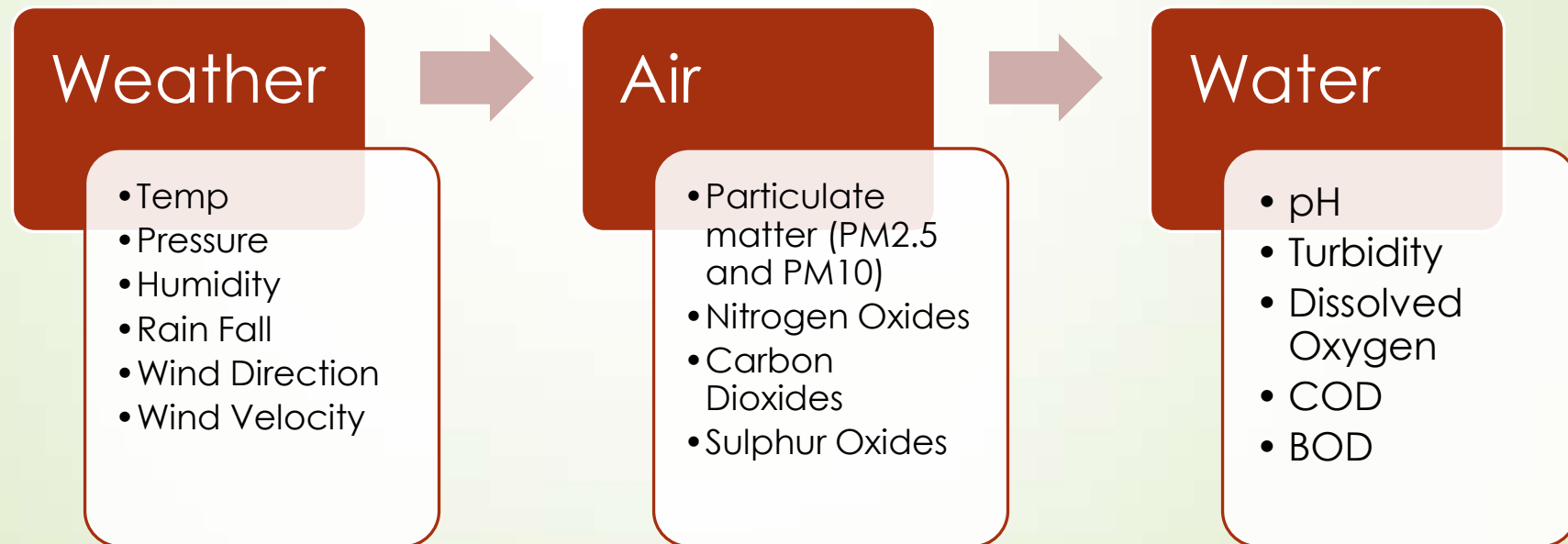
OUR RESPONSE

- ▶ AURASSURE: a cost effective cloud connected network for pollution monitoring.
- ▶ End-to-End solution
- ▶ Different types of sensors for a complete network: Personal Sensors, Mobile Sensors, Industrial Stations, Static Stations
- ▶ Cloud connected Network and data analytics solutions



AURASSURE Hardware infrastructure

- ▶ AURASSURE hardware platform consist of three main components:
 - ▶ Aurassure Air for air quality monitoring
 - ▶ Aurassure Water for water quality monitoring
 - ▶ Aurassure Weather for weather monitoring



AURASSURE Analytics

- Collects, Processes and Analyzes
- Provides insights about the micro environments like residential areas, commercial areas, public places, industrial areas, and different water bodies
- This crowd sourced platform will help people to get involve in this smart city movement
- The data can be available for public via different APIs and mobiles application



Benefits to Ecosystem

- ▶ Citizen can plan their movement of residential place or health budget depending upon the pollution data in a given geography
- ▶ The data analytics can help different industries to maintain regulation norms
- ▶ Reduce the time of different construction and industrial projects carried out by environmental consultants and municipalities
- ▶ Help municipalities to plan better traffic routings using data collected from mobile sensors in different part of the city
- ▶ Ultimately it provides vigilant alarm, targeted mitigation and better city planning for the development of a Smart City.