Synap

Autonomous environmental monitoring

Synap Technologies Ltd

www.synaptechnologies.com

Automatic real-time data from different sensors?

How to collect air quality parameters real-time?

Different sensor vendors, different application platforms

Automatic sensor; But Manual process

Difficult to acquire permanent installation site with power supply

Continuous measurement

Sampling – How frequently can you collect?

- **When did the problem occur?**
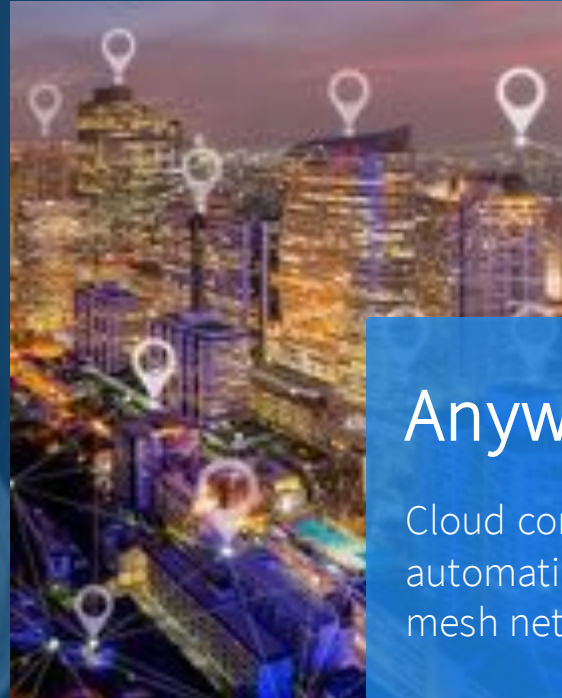- **For how long?**
- **How serious was it?**
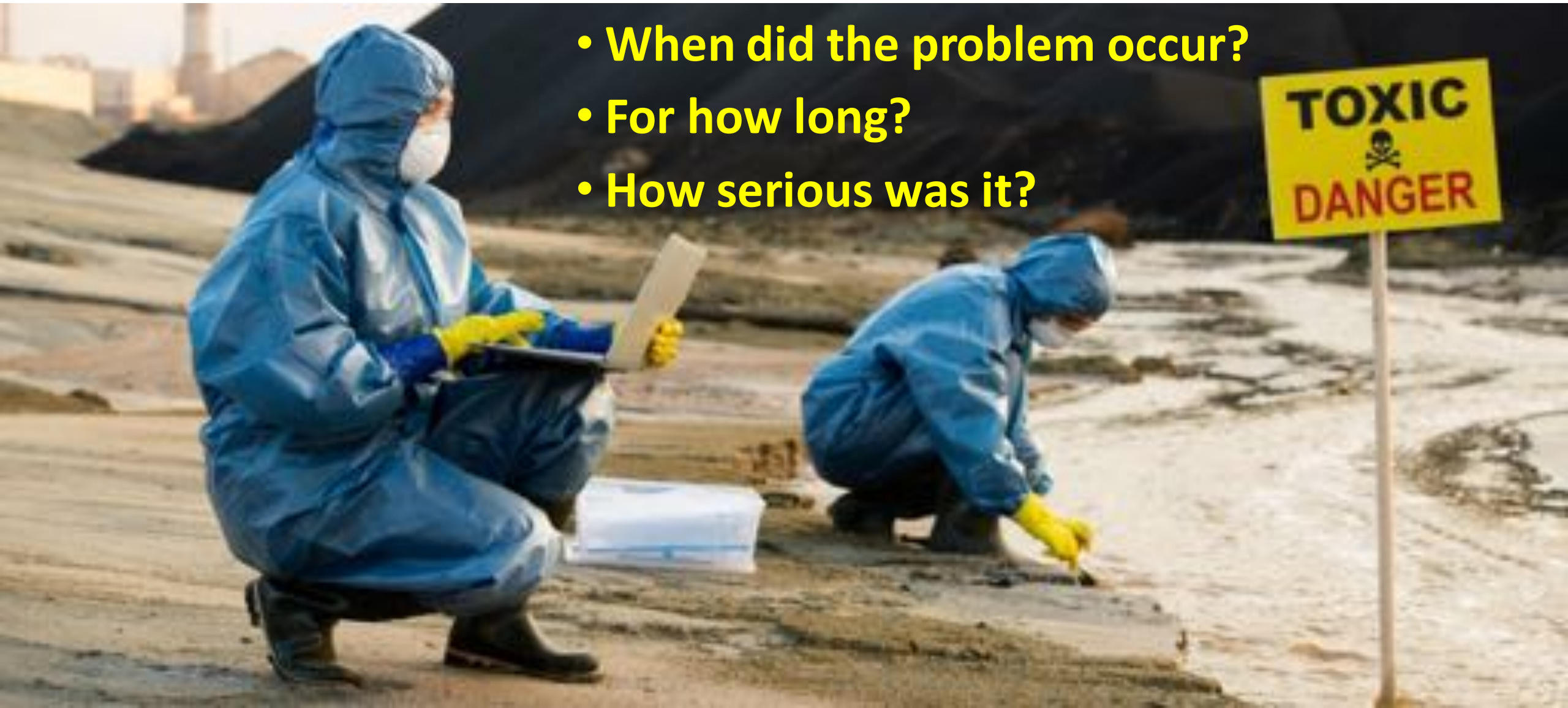
Solutions

Full Turnkey solution

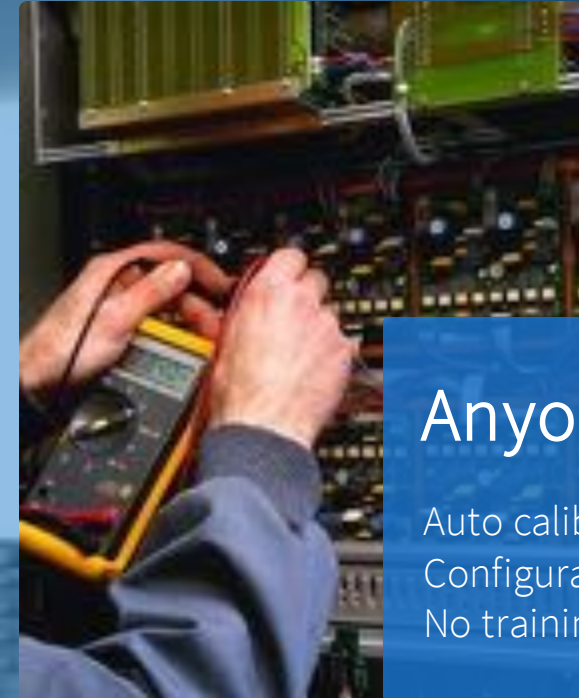Environmental monitoring application design, integration and deployment with operation & maintenance services
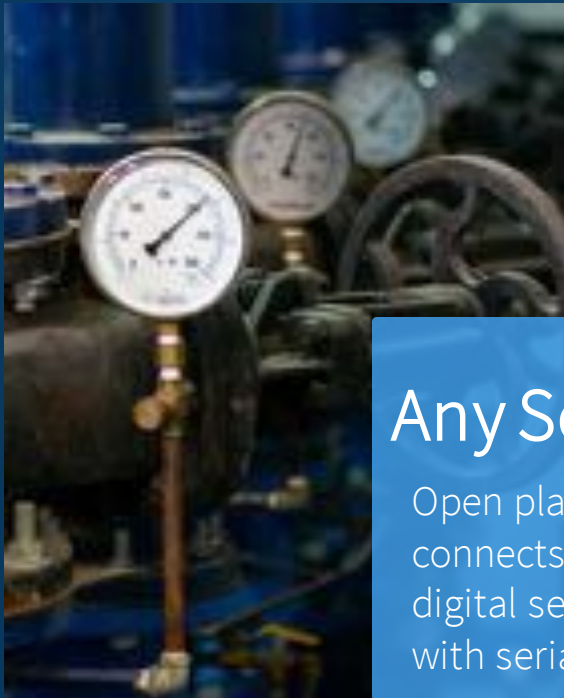
Any Sensor
Open platform connects any digital sensor with serial port

Anywhere
Cloud controlled automatic wireless mesh network

Anyone
Auto calibration
Configuration free
No training needed

Emission Gas Monitoring Station

Autonomous monitoring station running on solar power

Control panel with Synap wireless equipment and 4G modem

Dynamic gas sampling system with automatic zero gas calibration

Emission Gas Monitoring Stations

River Monitoring – Environmental Compliance

Water Quality Monitoring Station

Monitoring Parameters:
Active water sampling system

- Chemical Oxygen Demand
- Dissolved Oxygen
- Conductivity
- Turbidity
- pH
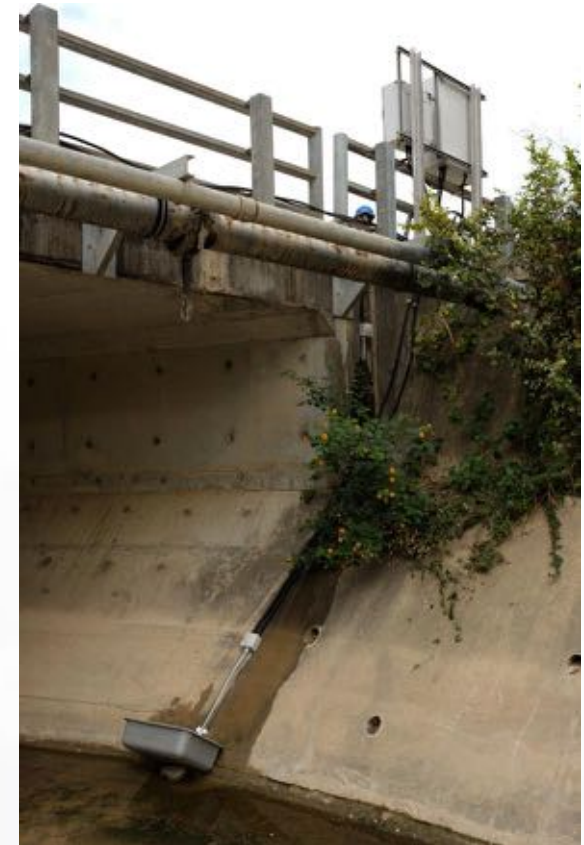- Temperature
- Others

Water Quality Monitoring Station

Control panel with Synap wireless equipment and 4G modem

Water sampling container with vacuum pump. Auxiliary clean water supply

Water sampling point at the bottom of the river

Thank you

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