

# INSITE ENVIRONMENTAL REPORTING



Streamline your environmental data management processes, fulfil your Protection of the Environment Act (POEA) obligations and produce reliable and consistent reports with InSite's Environmental Reporting System (ERS).

This completely configurable ERS provides a cost effective, accurate and efficient system for data acquisition, storage and reporting. It acquires a range of electronic data automatically, eliminating unnecessary manual entry and double handling.

The InSite ERS collates from a variety of sources including:

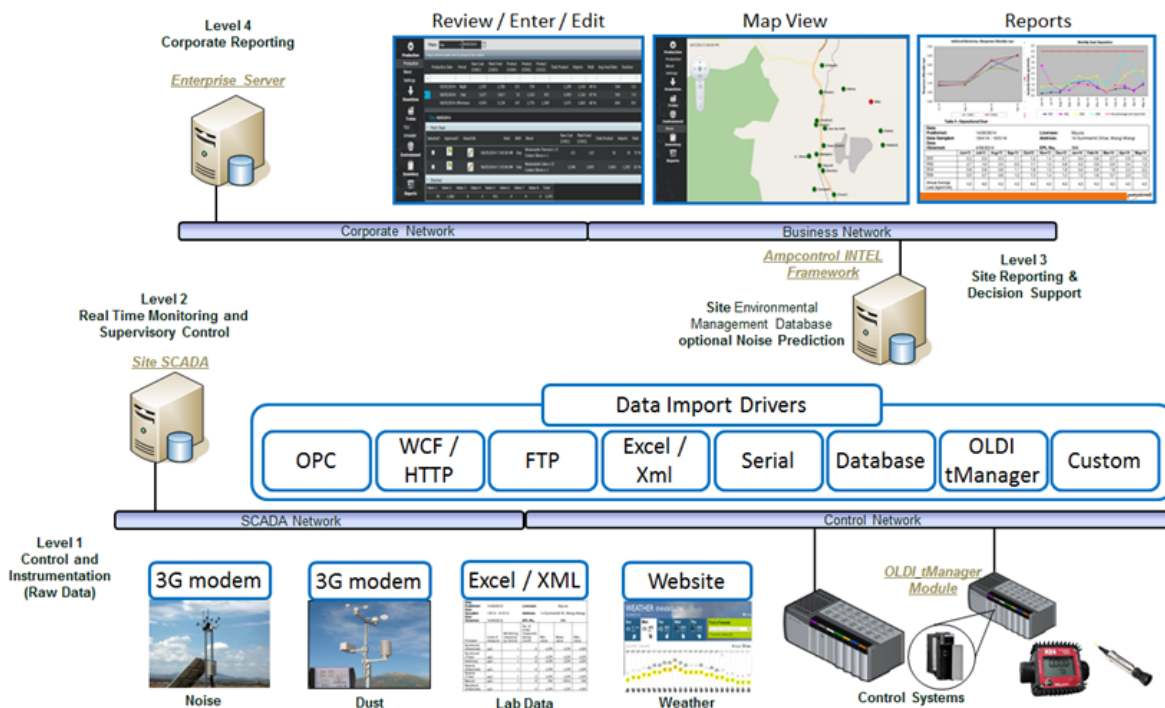
- OPC
- Ethernet and serial protocols
- Lab reports via XML or Excel
- Web server including WCF and HTTP
- PLC and SCADA systems
- FTP server
- Manual data entry

The ERS makes data analysis easy to use, understand and apply. With automatic reporting reliable and consistent reports can be extracted from the system efficiently without the need for IT professionals or expensive IT set-up costs.

## System features

- Automatic data acquisition across a range of sources
- Data verification, manual data entry and approvals
- Windows authentication and audit trail
- View live data in tabular, trend or charts
- Parameters can be displayed on a map
- Flexible reporting
- Access all collected and aggregated data for ad-hoc reporting
- End user reporting with Excel using raw or aggregated data
- Built in data Historian to support archiving
- Data aggregation and calculation engine
- Completely configurable system
- Can be extended to operational reporting
- Export approved data from the site to central server locations
- Ability to push data to corporate systems including enterprise resource planning (ERP) Systems

## Typical system diagram



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Environmental data is often hard to capture, difficult to access and cumbersome to use and analyse. With Insite's ERS data is brought together in a single location you can easily and efficiently report on and record all environmental parameters.

- Surface water quality including total suspended solids, oil and grease, pH etc
- Water flows at discharge points
- Detailed pollutant analysis of water
- Air quality including monitoring dust deposition, particle size and concentration
- Noise monitoring and prediction
- Gas and emissions monitoring
- Weather station monitoring
- Power monitoring

## Power monitoring



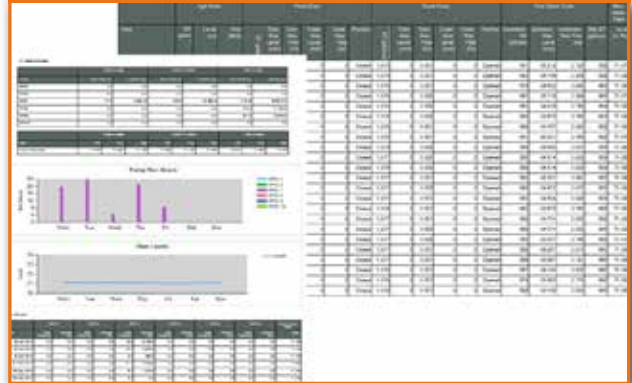
- Peak demand
- Power factor
- Voltage variations

## Noise monitoring and prediction



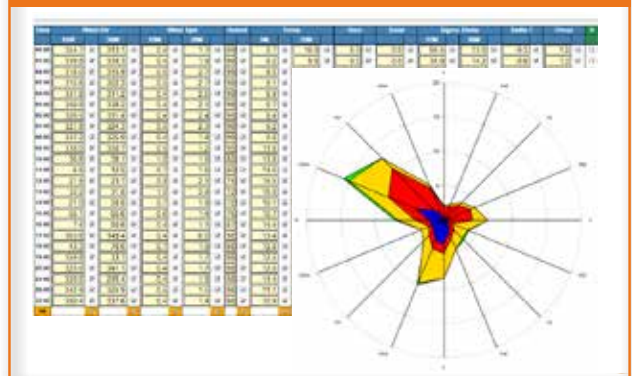
- Noise monitoring
- Noise prediction including sources, receivers, wind speed, wind direction, standard deviation, temperature inversion strength

## Water monitoring



- Rain, dam levels, flows
- Salinity, electrical conductivity, pH, total suspended solids, oil and grease pollutants nominated by EPA
- Water flows at discharge points

## Weather station monitoring



- Wind direction and speed
- Temperature
- Humidity and rainfall

## Standard architecture

- SQL based
- Web access
- Software as a service (SaaS)
- Locally developed and supported by Ampcontrol
- Cloud deployment

