

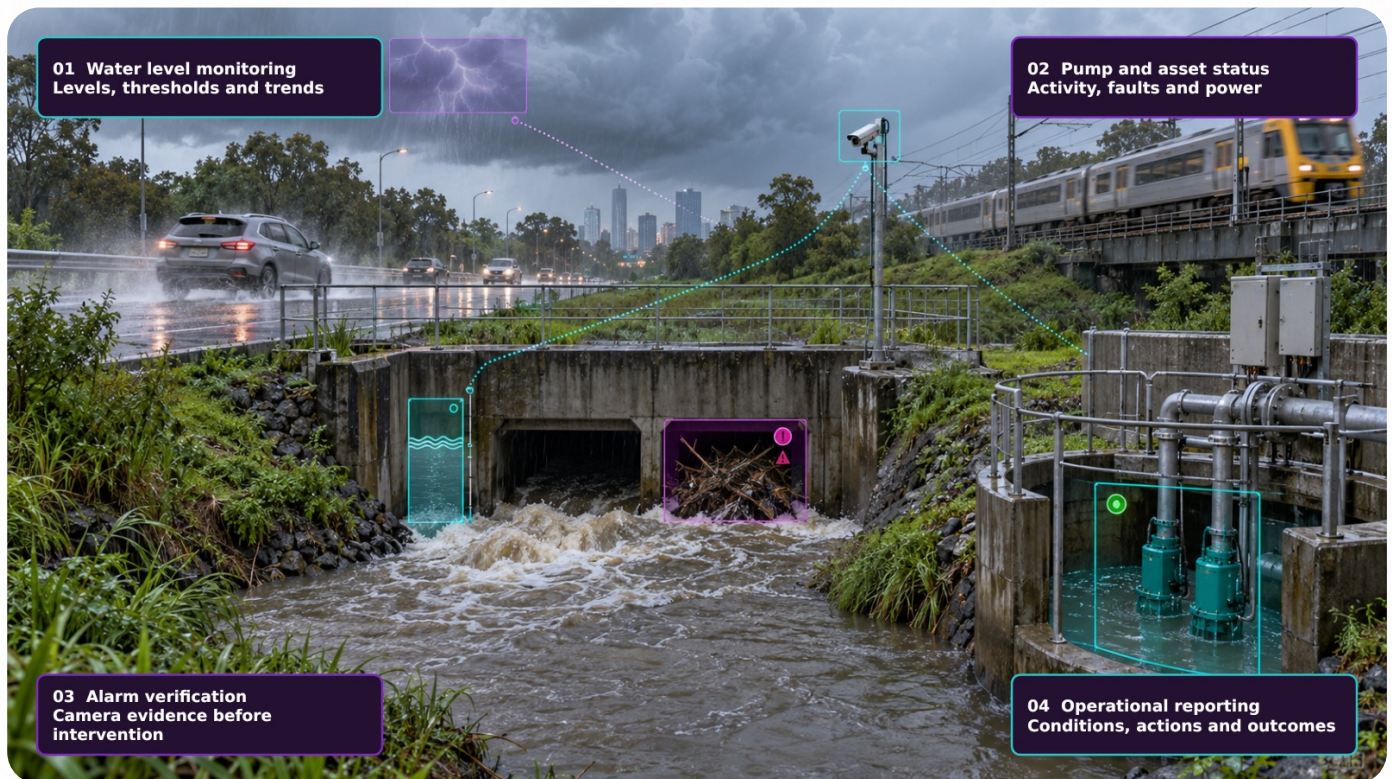
SIYTE for Flood and Drainage Monitoring

WHOLE SYSTEMS' MONITORING / AI PREDICTION & SCENARIO PLANNING

SIYTE brings water levels, pump activity, weather information, public data (e.g. Environment Agency, Natural Resources Wales), CCTV analytics and asset data into one, live operational view.

Teams can understand conditions remotely, verify alarms and coordinate earlier action across drainage and flood risk locations.

Engineers and operators can also use SIYTE AI for scenario planning and to predict upcoming risks.



INTELLIGENCE TO ACTION

01

WHOLE SYSTEM VIEW

Integrate water levels, pumps, weather, third party data & CCTV into a single web interface available on any device

LEVELS • PUMPS • CCTV • WEATHER • EA SENSORS

02

AI ANALYSIS FOR ASSET TEAMS

Conversational AI interface for Asset and Operations teams to understand trends, predict events and perform scenario planning

TRENDS • PREDICTION • SCENARIO PLANNING

03

OPERATIONAL SIMPLICITY

Multi-channel alerts from a simple unified interface for response teams, with AI chat capability to understand risks.

ALERT • VERIFY • RESPOND

7,000

DELAY MINUTES AVOIDED

Reported by Network Rail for a SIYTE flood monitoring deployment during winter 24/25*.

ONE

INTERFACE FOR CCTV, SENSORS, WEATHER AND ASSETS

Combines cameras, sensors and operational systems to support accurate remote assessment.

From Data Silos to Whole System Awareness

SIYTE engineers will work with you to integrate all existing IoT and CCTV systems into a single "Whole System Dashboard" accessible via the web and mobile devices.

SIYTE AI provides a simple-to-use AI-driven conversational interface for scenario planning and risk prediction to improve train performance and optimise systems' operations.

01 IoT Sensing

SIYTE engineers advise on sensing systems based on our extensive experience, as well as integrating any existing sensors.

IOT SENSING • LORAWAN • EXISTING SYSTEMS

02 Pump Operation

SIYTE can integrate with control systems for pumps and other assets.

PUMPS • STATUS • FAULTS

03 CCTV Analytics

New or existing CCTV cameras can be integrated for context, but also analytics, e.g. to detect surface water levels

ANY CAMERA • VISION ANALYTICS

04 Weather Stations and Public Data

SIYTE can integrate weather stations, MetOffice data and data from thousands of third-party sensors, e.g. Environment Agency, Natural Resources Wales

WEATHER • RIVER LEVELS

Re-use, Control and assurance



END TO END ENGINEERING ASSURANCE

SIYTE Engineers advise on everything from cameras to integrations, ensuring smooth delivery.



INVESTMENT PROTECTION

SIYTE integrates with any existing CCTV, sensor or other system.



SECURE

All data is encrypted in transit and at rest. Role-based permissions for all aspects of system access.



GDPR COMPLIANT

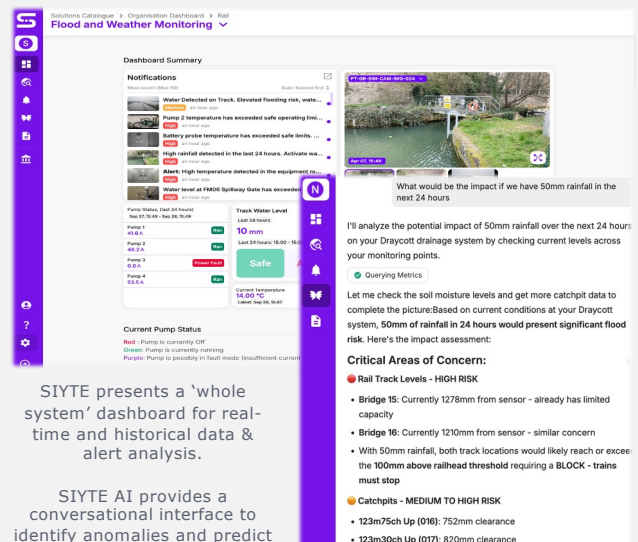
Personal information (faces) removed from all images. Data retention enforcement.



CERTIFIED

ISO 9001 / 14001
27001 / 42001

Whole Systems Interface



SIYTE presents a 'whole system' dashboard for real-time and historical data & alert analysis.

SIYTE AI provides a conversational interface to identify anomalies and predict failures using natural language

START WITH A 20 MINUTE DISCOVERY SESSION

See SIYTE in action

See how SIYTE utilises CCTV Analytics and IoT Sensing to deliver insights and understanding of your physical world.



BOOK A DISCOVERY SESSION



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