

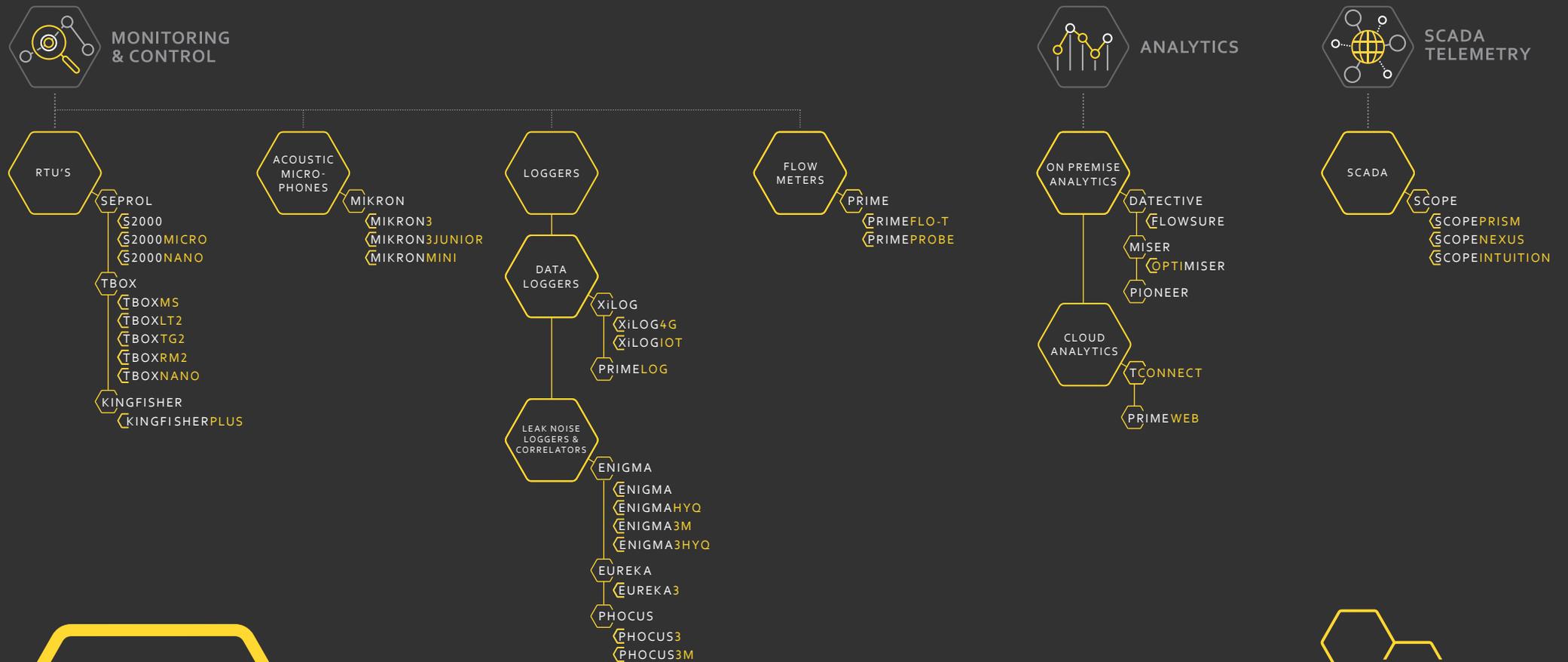


WE CONNECT BIG
DATA TO MAKE A
BIG DIFFERENCE

WATER & WASTEWATER
APPLICATIONS



Our connected technologies support critical assets and national infrastructure around the globe.



*SCOPE SCADA is currently only supported in the UK.

Trusted, secure, actionable insights that enhance situational awareness, one data point at a time.

Our mission has always been to advance productivity, safety and security. 40 years ago that meant pioneering industrial automation for the steel industry in the North of England. Today, we use data to make a difference.

Through innovation and collaboration, we help support business critical assets and national infrastructure around the globe with industry-leading, data-driven solutions that enable organisations to work smarter and more effectively.

Our connected technologies and channel partner network span a number of sectors including Water, Oil and Gas, Broadcast, Telecoms and Transportation and Power.

And while the solutions we provide are designed for industry, the benefits they bring reach far and wide; enabling millions to access clean water, keeping people safe at work, and maintaining stability and reliability on the transport networks global citizens rely on every day.

The technical nature of our work has evolved over the years, but one thing has remained constant: our reputation was built on the strength and length of our relationships.

For that legacy to continue, we go to great lengths to ensure everyone at Ovarro lives and breathes our company values, because we believe collaboration, integrity and respect should extend beyond the walls of our business and encompass every aspect of our work.

Our solutions are proven, trusted and reliable. But we know that would count for nothing if our customers didn't say the same thing about our people.

That's why we work so hard to show our customers that we understand them and their business, and that we're fully invested in their success by continuing to innovate and create new products and services – connecting technologies for a better today and a brighter tomorrow.

Welcome to Ovarro.

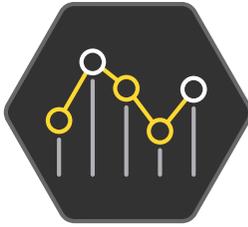


OUR SECTORS
WATER

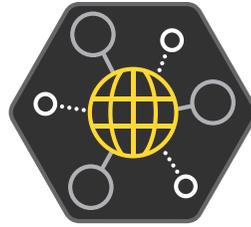




MONITORING
& CONTROL



ANALYTICS



SCADA TELEMETRY



CONSULTANCY

Connecting technologies to enable millions of people to have access to safe drinking water

Water is an essential life source and providing a system of safe and sustainable water management is critical in the fight against climate change.

We enhance situational awareness by enabling data collection, connecting technologies to provide you with trusted insights to make business-critical decisions. Our products integrate seamlessly with your assets to increase operational efficiency and effectiveness, supporting you in your goal to reduce leakage and pollution incidents.

We understand that the pressure on water authorities to drastically reduce leakage has never been greater and we are committed to providing reliable and robust solutions to minimise asset replacement frequency, allowing you to reduce your CapEx. Our teams will collaborate with you to support your strategic development and build a sustainable future for industries and communities around the world.





WATER NETWORK MANAGEMENT

Ovarro's monitoring and control, analytics and SCADA technology can communicate water pressure, flow and level parameters and interface to all common water industry flowmeters and sensors, all while transmitting data using 3G/4G, GPRS or local (USB) communications. Our cloud-based interface ensures data is available anytime, at any location. Secure, proven, trusted; we integrate seamlessly with your assets.

Drinking water applications:

- District Meter Areas (DMA)
- Network modelling
- Pressure surveys
- Reservoir and borehole depth
- Consumer flow monitoring

Wastewater and environmental applications:

- Combined sewer overflows (CSO)
- Open-channel flow
- Monitoring pump operation
- Level measurements
- Rainfall



CONTROL OF WATER FLOW

Essential for the effective management of water supplies, our flow metering solutions are based upon electromagnetic insertion and ultrasonic flow technologies.

Applications include:

- DMA and zonal metering
- Existing meter verification
- Flow surveys
- Trunk main surveys



LEAK DETECTION

Our groundbreaking technology, with upwards of 80% conversion rate, provides reliable, rapid identification of leaks by monitoring flow and acoustic noise. Our range of loggers are designed for local and remote leak detection, helping to put an end to Non-Revenue Water (NRW) loss. Our hardware reports all data in to our cloud-based analytics platform, PrimeWeb, providing real-time insights into water network hydraulic data, plus leak alarms and correlated leak positions; all on one platform.

Applications include:

- Locating and logging leaks remotely and on-site
- Confirming leaks on-site
- Step testing



OUR WORK

Ovarro supports water authorities across the world with our industry-leading technology. From protecting approximately 5 million people with flood-risk telemetry systems for The Environment Agency, to delivering Malaysia's largest water network support system.

We work collaboratively with our clients, creating turnkey solutions to meet the specific needs of water authorities. Our technology is secure, reliable and robust and we work closely with your engineers to ensure project rollout is as quick and easy as possible. It is this approach that makes us the obvious choice for organisations like Anglian Water, who came to us for assistance when major regulatory changes meant updates were required at 1,200 sites.

We have built relationships with clients and partners over the years, with some spanning more than 30 years, these long lasting relationships are a great source of pride for everyone at Ovarro.



One of the biggest challenges across the water industry is the ability to detect leaks effectively on plastic pipes as they don't transmit noise when they leak. Critically, unlike more widely used methods, this new technology can be used on plastic pipes, which make up 60% of our waters mains. It will revolutionise what we do in terms of leakage."

Andy Smith
Regional Optimisation Manager, Anglian Water

OUR SOLUTIONS

Connecting technologies to preserve precious resources

Enabling millions to have access to safe drinking water is crucial to human survival and sustainable progress. But water is a finite resource in exponential demand from a rapidly expanding global population.

785m **69%** **2025**

785 million people lack a basic drinking-water service — approximately 1 in 9 people.

Agriculture accounts for 69% of annual water withdrawals globally.

By 2025, half of the world's population will be living in water-stressed areas.

At Ovarro, we work closely with water authorities and our partners around the globe, connecting technologies to help them monitor water quality, prevent pollution events, reduce leakage and supply more people in need.

OUR TECHNOLOGY

We design, manufacture and supply secure, reliable and robust hardware and software solutions to the water industry which simplify automation tasks, improve situational awareness and exploit data in real-time.

Our range of Remote Telemetry Units for data acquisition, Acoustic Loggers for local & remote leak detection, scalable SCADA platform, SCOPE and suite of onsite and cloud based analytics solutions are breaking new ground for water companies globally.

Our various business units hold a number of accreditations and awards, including The Queen's Award for Enterprise in Innovation, Microsoft Gold Analytics Partner, and we are proud to hold the following international standards. ISO9001, Quality Assurance, ISO14001 Environmental Management and ISO27001 for Information Security Systems.

*SCOPE SCADA is currently only supported in the UK.



OUR SOLUTIONS &
TECHNOLOGY FOR
WATER & WASTEWATER

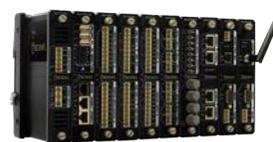




Secure and powerful RTU solutions for remote automation and monitoring
TBox allows users to monitor and control applications with their mobile devices and PCs – anytime, anywhere. All TBox devices and connected assets are protected by a state-of-the-art cyber security suite including authentication, encryption, firewall, SSL/TLS, HTTPS, SMTPS, SFTP/FTPS and VPN.

TBOXMS

Market leading fully modular remote monitoring, control and automation solution.



TBOXLT2

All-in-one Internet-ready RTU for automation and monitoring applications within IT and IoT environments.



FEATURES & BENEFITS AT A GLANCE:



Modular Design

- Install only what you need
- Reduce CapEx & OpEx spend
- Expand or scale as your business/network requires



Integrated LTE/4G

- Access data with standard interfaces
- Easy access to data for mobile workforce
- VPN for cybersecure connections



GSM (4G) card

- Access data with standard interfaces
- Quickly integrate with IT and IoT systems
- Provide mobile workforce with easy access to data



Multiple ports & Ethernet

- Access data with standard interfaces
- Flexibility to meet the existing and future needs of your infrastructure



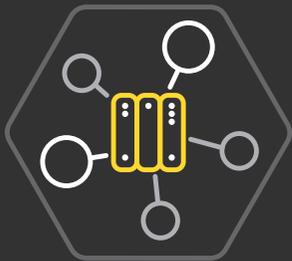
Alarm Management

- Eliminates wasted site visits, improving productivity and response time



IoT Team Ready

- Via the ADK (C/C++ add-ons)
- Azure and AWS compatible



RTU'S

TBOX TG2

Designed for digital gateway solutions.



TBOX RM2

Connects a wide variety of electrical, electronic and mechanical devices and sensors to computers and applications via Ethernet networks.



TBOX NANO

Battery operated, ultra-low power wireless telemetry unit and for remote applications.



FEATURES & BENEFITS AT A GLANCE:



Alarm Management

- Eliminates wasted site visits, improving productivity and response time



Smart Data Logging

- Only log necessary events with their appropriate time stamps
- Reports in CSV, text or XML formats



Expandable

- Expandable with the RM2 and has the full functionality of TBox LT2



IoT Team Ready

- Via the ADK (C/C++ add-ons)
- Azure and AWS compatible



Cost Effective Network Expansion

- 5 ports including RS232, RS485, Ethernet Modbus TCP/IP and USB 2.0 host
- Access data with standard interfaces
- Quickly integrate with IT and IoT systems
- Flexibility to meet the existing and future needs of your infrastructure



Certification

- Class 1 Division 2 areas, FCC – UL/CSA, C-Tick Approvals, RoHS compliant, CE
- Rugged and robust for the harshest environments



Compact footprint

- Enables use in restricted spaces without compromising on processing power or functionality



IP68 Rugged design

- Can successfully operate in extreme environments where traditional devices fail
- Allows organisations to deliver their products in remote areas



Advanced push notification technology

- Receive formatted, mobile friendly reports via email or SMS
- Access and interpret data on the move



High-power lithium battery

- Exceptional battery life of up to 6 years
- Minimises the number of necessary site visits, increases operation in the field

Reliable, WITS-certified remote telemetry solutions
Seprol provides functions specific to the utility industry and meets the specific needs of water companies. The embedded web server eliminates the need for multiple software by functioning from within the device.

S2000

All-in-one WITS and Native DNP3 intelligent remote telemetry unit with touch screen display and optional integrated pump controller.



S2000 MICRO

WITS and Native DNP3 intelligent remote telemetry unit with optional integrated pump controller.



S2000 NANO

Battery operated, ultra-low power wireless telemetry unit and data logger for remote applications.



FEATURES & BENEFITS AT A GLANCE:



Built-in colour touch screen display

- Interactive display that increases accessibility from the device itself
- Your data visible without need for special tools



Integrated feature-rich pump controller

- Control and monitor pumps to suit the pressure on your water network, remotely – saving time and improving network efficiency



Wide range of communication ports

- Perfectly suited to a wide range of applications



Small footprint

- Enables use in restricted spaces without compromising on processing power or functionality
- Save critical space in cabinets with an efficient design



Built in configuration and application programme

- Manage your features through any web browser using our intelligent interface



Integrated feature-rich pump controller

- Control and monitor pumps to suit the pressure on your water network, remotely – saving time and improving network efficiency



IP68 Rugged, compact design

- Operate in extreme and remote environments
- Use in restricted spaces without compromising on processing power or functionality



High-power lithium battery

- Exceptional battery life of up to 6 years reducing the number of site visits required, improving operational efficiency



WITS certified

- Single protocol to support multiple vendors – reduced support / training costs
- Secure authentication between substations and master station
- Diverse comms infrastructure supported – WAN, PSTN/GSM, GPRS, private wire etc.
- Flexibility – Master or Substation managed configuration options



Advanced automation technology
Powerful and reliable, Kingfisher RTUs are easy to configure and deploy with built-in programming shortcuts, providing a secure and reliable connection to your assets.

KINGFISHER PLUS

Highly resilient and secure modular automation platform for critical and demanding SCADA applications.



Multiple redundancies (CPU, Power, Comms)

- Keep your critical systems resilient to Processor, Power, or comms path interruptions



Modular System

- Install only what you need
- Reduce CapEx & OpEx spend



OLED & LED display

- Direct access to diagnostics to identify issues faster, and without any tools



SD Cloning

- Fast deployment and configuration



Rugged & Robust for the harshest environments

- Wide temp range (-40c to +85c)
- Up to 5,000V isolation
- Hot swap any card





ACOUSTIC
MICROPHONES



Advanced acoustic listening technology

A range of acoustic listening products designed for listening directly on underground or above ground pipes to carry out leak pre-location. Ground microphone sensors enable surface listening for leak pinpointing and confirmation prior to excavation.

MIKRON3

Advanced ground microphone system for locating water leaks on site.



MIKRON3JUNIOR

A portable, easy-to-use water leak pinpointing system for use in remote regions where the network is away from roads.



MIKRONMINI

A simple to use leak listening system with high acoustic sensitivity, which listens for leaks directly at water fittings and underground.



FEATURES & BENEFITS AT A GLANCE:



Wireless communications

- Less background airborne interference makes leak noise easier to detect



Multiple leak detection methods

- Choice of sensors and processors to suit your preferred listening method



In-case battery charging

- Easy to use



Dynamic listening control protects hearing

- Safeguards workforce



Variable frequency display

- Enables operator to home in on the noise to confirm leak



Foam cover and sensor cable ball reduces airborne noise

- Less background interference makes leak noise easier to detect



Choice of three test rods for variety of surfaces

- Detects leaks in a wide range of conditions and situations



Clear variable frequency display

- Enables operator to home in on the noise to confirm leak



Dynamic listening control protects hearing

- Detects leaks in a wide range of conditions and situations



Easy to use

- Minimal training required



Cost-effective

- Low cost, simple listening solution



Alkaline battery

- Easy to replace when in field





Data logger for water network surveys

PrimeLog+ is a small, robust and submersible battery powered water data logger designed to meet a wide range of applications. Available in single and dual channel variants; it is ideal for network modelling applications with $\pm 0.1\%$ accuracy.

Large memory enables logging at a higher resolution reliably and securely. Its advanced features make it an indispensable tool for any analyst. Once deployed our water data loggers can be relied upon to deliver instant results and their ease of use and field reliability is proven. The rapid USB local communications allows fast interaction with the device and improves efficiency when multiple devices are to be interrogated.

FEATURES & BENEFITS AT A GLANCE:



Compatible with all common flowmeters

– Integrates with existing hardware



Sensor accurate to 0.1% bar

– Ideal for modelling networks



Large memory

– Logs up to 500 million readings including max, min, mean and total values
– Comprehensive data analysis



Battery life up to 5 years

– Low maintenance



IP68 Rated

– Easy to use in harsh conditions
– Submersible and waterproof up to 4 metres



DATA LOGGERS



Water network data logging with remote communications

Our most secure advanced industrial range of data loggers with remote communication options and exceptional data integrity. Available in multi-channel models for use with a wide variety of sensors for clean and waste water network monitoring. They are extremely easy to program, deploy and use.

XiLOG4G XiLOGIOT

A robust logger that transfers data reliably and securely via HTTPS over a wide range of communications networks.



FEATURES & BENEFITS AT A GLANCE:



Increase communication up-time

- Multiple state of the art antennae which when combined with our 4G modem ensures reliable and secure communication with your data logger, with 2G / 3G fall-back
- Improved operational efficiency with the low power IoT variant that increases battery life and sub-surface signal penetration



Data in one place with Primeweb & SCOPE*

- Reduce the number of applications you need to look at by having all your logger and leakage data from Ovarro in Primeweb
- SCOPE SCADA users will significantly benefit from the integration of XiLog with the SCOPE system



Reduced set-up time

- Easy to use Android app allows simple wireless configuration of the XiLog



Flexible and secure access to your data

- With the XiLog API you can send your logged data to PrimeWeb or your preferred data hosting platform



Multiple-channel options

- Qualify events confidently with dual flow and pressure logging
- Increase situational awareness from PRVs with dual pressure inputs
- Analogue input offers a wide range of flexible sensor options to suit your applications

SUITABLE APPLICATIONS:



* SCOPE SCADA is currently only supported in the UK





Remote leak pinpointing solutions

Our multi-point correlation systems allow utilities to monitor the water network and locate leaks very accurately from their desktop or laptop. The precise positions of leaks are found thanks to advanced, innovative, time-synchronisation, correlation and data analysis.

ENIGMA3M

Advanced, correlating, noise logger with accurate time-synchronisation for pinpointing leaks remotely. All hardware is safely below ground due to powerful antenna and communications.



ENIGMA3HYQ

Advanced, correlating, noise logger with accurate time-synchronisation for pinpointing leaks remotely in plastic and metal pipes of any diameter.



FEATURES & BENEFITS AT A GLANCE:



Advanced accelerometer sensor

- Pinpoints quiet hard-to-find leaks
- Fewer loggers deployed per km of network



Innovative correlation analytics

- Pinpoints leaks very accurately
- Simple but effective data enables water companies to meet regulatory targets



Modem for remote operation

- Monitor leakage in large networks
- Save manpower and money



Flexible deployment - fixed or semi-permanent

- Save CapEx and OpEx by enabling strategic deployment across large networks



Highly sensitive hydrophone sensor installed inside the pipe

- Can cover the whole network whatever the pipe diameter and material
- Long distance between fittings means fewer loggers deployed, so reducing costs



Innovative correlation analytics

- Pinpoints leaks very accurately in pipes of any material
- Simple but effective data enables water companies to meet regulatory targets



Data sent daily to cloud analytics platform PrimeWeb

- Leaks are found and fixed fast
- Data is readily available anywhere anytime



Position of logger located by GPS

- Manage assets with less manpower



LEAK NOISE LOGGERS & CORRELATORS

On site leak pinpointing solutions

Our R&D team work closely with utility technicians and partners' field teams to design and develop products that are easy to use. We also offer leak detection training so that a utility or partner can quickly learn how to use the technology and be in the field searching for leaks.

ENIGMA

An advanced multipoint correlation system for locating leaks in buried pipes.



ENIGMAHYO

An advanced multipoint correlation system for locating leaks in buried pipes of any material over long distances.



FEATURES & BENEFITS AT A GLANCE:



Finds and records leaks at night

- Avoids interference from consumers' daytime water usage
- Avoids costly night working



Advanced logging and correlating

- Multi-point correlation at up to 8 points
- Detects and pinpoints several leaks in one deployment



Three sound samples

- Discriminates consumer usage from non revenue water loss



Powerful 24 bit data processing and analysis

- Pinpoints difficult-to-find leaks



Highly sensitive hydrophone sensor

- Can cover the whole network whatever the pipe diameter and material
- Long distance between fittings means fewer loggers deployed, so reducing costs



Finds and records leaks at night

- Avoids interference from consumers' daytime water usage
- Avoids costly night working



Advanced logging and correlating

- Multi-point correlation at up to 8 points
- Detects and pinpoints several leaks in one deployment



Powerful 24 bit data processing and analysis

- Pinpoints difficult-to-find leaks



High performance local leak location

Touch screen correlator with powerful filtering options for all pipe materials.



EUREKA3

A system of correlating noise loggers and ground microphone for optimum leak location and confirmation.



FEATURES & BENEFITS AT A GLANCE:



16 bit digital online and offline correlation

- Pinpoints leaks accurately so fewer holes dug, minimising disruption
- Enables leaks to be fixed quickly even before customers are aware



Powerful adaptive filter in Eureka 3+ variant

- Finds leaks that are often missed



Rugged, portable and easy to use

- Touch screen operation
- Long intervals between servicing
- More leaks found per man per hour
- In case battery charging from mains or vehicle



Position of sensor located by GPS

- Manage assets with less manpower





Widespread water network leak detection

Our acoustic logger systems are fitted at access points, such as valves or hydrants, providing rapid identification of the presence of leaks by monitoring acoustic noise.

PHOCUS3

A noise logger designed for detecting and localising water leakage. It enables water suppliers to quickly and efficiently locate leaks in the water network. Its wireless communications allow both 'lift and shift' or permanent deployment.



PHOCUS3M

Combines specialist leak noise detection and versatile communications technology to create a fixed network of loggers to monitor leakage. The logger samples pipeline noise at one-second intervals during each of three sample epochs during the night when background acoustic noise is lowest.



FEATURES & BENEFITS AT A GLANCE:



Data collected locally via wireless communication

- Cost effective leakage management
- Ideal for sites with poor signal strength
- Live leak listening through wireless communications



Flexible deployment

- Infra-red for lift and shift and radio for semi-permanent installation
- Enables loggers to be deployed more efficiently and effectively saving costs



Powerful post-processing data analytics

- Detects leaks reliably and accurately



Modem for remote communications

- Enables monitoring of leakage in large networks and reduces manpower



Connected to PrimeWeb analytics platform

- Advanced data analytics, with GPS map visualisation pinpointing location
- Alarm notification
- Daily updates for reduced leak runtime



Advanced data sampling

- Discriminates leakage from usage and reduces false alarms



Flexible deployment

- Fixed, semi-permanent or lift and shift
- Saves CapEx and OpEx by allowing strategic deployment across large networks



Market leading advanced antenna

- Best in class below ground connectivity
- Reduces OpEx by limiting downtime
- Reduces need for above ground costs such as planning or damage caused by third parties





Flexible flow measurement solutions
 Flowmetering solutions are offered for surveying and for permanent installation on pressurised water distribution networks. They are based upon electromagnetic insertion and ultrasonic flow technologies.

PRIMEFLO-T

Hand-held transit-time ultrasonic flowmeter using dual DSP technology.



PRIMEPROBE

Bi-directional, insertion, full bore, electromagnetic flowmeter for permanent or portable use.



FEATURES & BENEFITS AT A GLANCE:



Ultrasonic meter for flow surveys

- Monitor network supply, pumps and meters



Measure flow on all common pipes

- Monitor flows across whole network



Non-invasive sensors

- No drop in pressure, no interruption to supply and no contact with water



Integral data logger

- Easy to set up



24 hour battery life

- No need to change battery during survey



Variable length insertion probes

- Measure flow on all common pipes with no interruption to supply



Measure a wide range of flow rates

- Range between 20mm/s to 5m/s
- Use throughout the network



Long battery life up to 10 years

- Low cost of maintenance



Rugged - can operate at up to 25 Bar

- Can monitor networks including pumps in extreme conditions



Flexible data logging

- Able to connect remotely to Primeweb or SCADA systems via connection to Xilog
- Enables sophisticated convenient data analysis in real time or delayed



FLOW METERS





Self-learning anomaly detection analytics software

A unique, intelligent event detection system for clean and wastewater networks, Datective self-learning anomaly detection software helps to identify and predict network events to enable you to take a preventative rather than reactive approach to major events.

FLWSURE

FlowSure's self-learning capabilities provide autonomous network management support for your operations, control centre and other key areas of your business. FlowSure uses readily available real-time data and smart algorithms operating in an Artificial Neural Network to automatically identify when a large burst or other significant event is happening, or is about to occur, in your network.

FEATURES & BENEFITS AT A GLANCE:



Provides seamless integration with telemetry to collate data and raise control room alarms



Supports proactive customer service, improving the customer experience and regulatory compliance



Generates improved decision support through a greater understanding of alarms and knowledge of the network



Expandable and scalable whatever the volume of data or network size



Avoids catastrophic failures through early intervention



Prioritises jobs and optimises available resources to ensure the correct person is deployed with the right skills at the appropriate time



ON PREMISE ANALYTICS

Water network management advisory tool

Our decision-support software MISER provides optimal asset management planning and operational strategies which deliver service and performance improvements at minimal cost, subject to resource and capacity constraints.

FEATURES & BENEFITS AT A GLANCE:



Minimise electrical and chemical costs



Maximise security of supply



Maximise conjunctive use



Simulate drought response



Identify resource yields



Minimise outage impact



Identify bottlenecks and plan investment

OPTIMISER

A real-time automated water network control system that optimises operational efficiencies and energy costs. It's proven to reduce operating costs and improve security by continuously reviewing your network data, controlling pumps in the most efficient way and forecasting ahead with predictive modelling.

FEATURES & BENEFITS AT A GLANCE:



Minimise cost and energy use of operation

- Produce efficient pump schedules to ensure cost effectiveness
- Maximise the performance of your assets whilst ensuring calm network operation



Maximise security of supply

- Proactively manage service reservoir levels, and plan for outages and demand peaks
- Provide early warning when an operating constraint cannot be met
- React to issues in real-time, reducing failures and non-compliance incidents



Respond to outages

- Automatically balance the network load to minimise interruptions and maximise time to failure
- Proactively respond to outages by optimising all assets
- Save money on manpower



Initialise model from telemetry data

- Minimise manual input by reading in latest network status from telemetry



Closed-loop control of assets

- Automatically optimally control pump and valve assets in real-time
- Continually update to take account of the latest conditions and to respond to network alarms
- Gain visibility of your assets via an accessible control room interface.

Optimise your expenditure and investment

Our decision-support software provides optimal asset management planning and operational strategies which deliver service and performance improvements at minimal cost, subject to resource and capacity constraints.

PIONEER is highly flexible and user friendly. It produces optimal investment plans for future periods of typically 1, 5 or 30 years and beyond including climate change scenarios. It allows you to decide how and when to refurbish or replace assets at minimum overall cost, across a single asset group or your entire company network. This investment is targeted to maximise benefits per unit cost and deliver increased levels of customer service. PIONEER provides your company with the tools required to effectively manage your assets and to justify with confidence future investment during regulatory price reviews and for budget planning.

FEATURES & BENEFITS AT A GLANCE:



Model the deterioration of assets, and the impacts of asset failures on company service measures

- Better understanding of asset deterioration and the resulting impacts on service
- Better understanding of the distribution of risk across the asset base



Model the costs of maintenance interventions, and their benefits against the service measures

- Better understanding of the maintenance interventions and their costs and benefits
- Better understanding of how the costs and benefits of maintenance intervention options vary according to asset attributes



Optimise interventions to identify the programme of future interventions that will meet the identified service targets at least cost, subject to the specified resource constraints

- Reduced capital and operational costs, through better targeting of expenditure
- Improved levels of service, through better targeting of expenditure



Calculate the future costs and service measure outcomes that will result from the optimal programme

- Better understanding of what will happen under various planning scenarios
- Ability to demonstrate to management and regulators the impact of funding reductions





Cloud based water network analytics

PrimeWeb is a cloud based analytics solution for water network pressure, flow and leak location monitoring. This solution allows real-time data collection and display of water network hydraulic data plus leak alarms and correlated leak positions; all on one platform.

PrimeWeb processes remote data from: XiLog data loggers, Phocus3, Phocus3m acoustic noise loggers, Enigma3m and Enigma3hyQ correlating noise loggers. A user can quickly identify problems such as exceptional usage, low pressure or increased leakage. Users can process collected data in PrimeWeb to generate greater insight than from raw data alone. PrimeWeb offers high security together with customised user access levels.

FEATURES & BENEFITS AT A GLANCE:



Advanced analytics for leak event

- Increase confidence of leak presence through advanced analytics



Full visualisation capabilities

- Visualise your leaks on Google Maps™
- View your deployed Ovarro leak detection assets
- Google Street View™ visualisation enables you to understand the local surroundings



Daily updates for reduced leak run time

- Action repairs sooner to reduce water loss



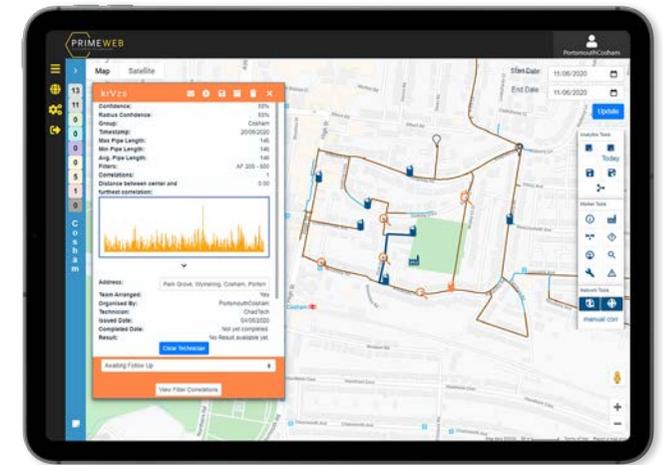
Historical data to aid leakage management

- Enables you to undertake pattern analysis and identify recurring problem areas



Alarm notifications

- Get notified when a leak occurs



SUITABLE APPLICATIONS:



WATER

Map data ©2020 Google. Google Maps™ and Google Street View™ are registered trademarks.

Simplified and secure machine-to-machine connection

Managing a network of hundreds of connected dispersed assets can be complex, costly and time consuming. The ability to connect to and manage devices in a resilient and scalable way is fundamental to M2M communication.

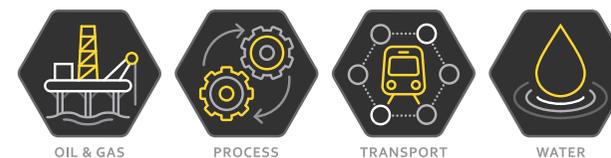
Designed and developed by Ovarro, TConnect is cloud-based software that provides a simple and secure remote connection between your TBox Remote Telemetry Unit and your web browser. You can use TConnect from any modern web browser on a PC, MAC, Linux or mobile device such as an iPad or iPhone.



FEATURES & BENEFITS AT A GLANCE:

- 
Reduces configuration and maintenance time
 - Local or cloud based server with responsive Web interface
 - Automatic RTU registration and secure connection setup
 - Controlled RTUs update (application, firmware, credentials & certificates)
- 
Enables mobile data acquisition
 - Display of RTUs and external devices on embedded Web pages
 - Data aggregator with external access to data
 - Simple tables and charts plus connectors to SCADA, DB or BI
- 
Save hardware and communication costs
 - No need for fixed IP addresses, private APN or DNS for each RTU
 - Multiple subnets to service multiple customers
- 
Increases security
 - WebSockets and VPN for secure connections of industrial protocols
 - Credentials and certificates central management with single sign-on

SUITABLE APPLICATIONS:



*Some features may be part of future releases. Please ask your local representative for clarification.



Feature rich, enterprise SCADA and telemetry solution

SCOPE adds value to your asset performance data by integrating with other sources of information, providing a holistic view of your operations. Market-leading security, availability, and resilience make it the smart choice to monitor and control your critical assets.

SCOPEPRISM

A comprehensive user interface capability, providing users with access into all the SCOPE products, along with the tools and utilities necessary to configure, maintain and operate the system.

SCOPE NEXUS

The SCOPE telemetry database server, providing monitoring for items of plant and remote data collection from outstations such as our range of remote telemetry units.

FEATURES & BENEFITS AT A GLANCE:



Wide range of comms options

- Easily integrates into any system
- Able to be used for a multitude of applications



24x7 support services

- Always available to support your needs



HTML5 client for mobile users



Integrated configuration management and version control



Enterprise SCADA capabilities



Intelligent alarm system, equipped with alarm tracking capabilities

- Highly secure, based on industry standard authentication
- Quicker, smarter, more informed decisions
- Increase situational awareness



Highly scalable and flexible SCADA system

- For use in any operation or environment
- Wide ranging support of telemetry devices including WITS DNP3
- Highly resilient and redundant capabilities allowing 24x7 CNI organisational control
- Integration with business systems



SCADA

* SCOPE SCADA is currently only supported in the UK

SCOPEINTUITION

Intuition extends the core SCOPE Alarm System, and provides advanced features to efficiently manage and track all reported alarms from inception to resolution.

FEATURES & BENEFITS AT A GLANCE:



High levels of redundancy

- Unmatched reliability for critical systems



Control logic interface (IEC61131 based)

- Modular, supervisory control
- Gain visibility of your assets via an accessible logic interface



* SCOPE SCADA is currently only supported in the UK



CONNECTING TECHNOLOGY FOR A BETTER TODAY AND A BRIGHTER TOMORROW



CONTACT US

For sales enquiries please contact: sales@ovarro.com
For technical support please contact: support@ovarro.com

HEAD OFFICE, UK

Rotherside Road, Eckington
Sheffield, S21 4HL, UK

+44 (0) 1246 437580

REIGATE, UK

Foundation House, 42-48
London Road, Reigate
Surrey, RH2 9QQ, UK

+44 (0) 1306 742772

DENMEAD, UK

Parklands Business Park
Denmead, Hampshire
PO7 6XP, UK

+44 (0) 239 2252228

WATERLOO, BELGIUM

Waterloo Office Park -
Building M
Dreve Richelle, 161 box 35
B-1410 Waterloo, Belgium

+32 (0) 02 387 4259

KL, MALAYSIA

7-1, Jalan Flora 2/1
Bandar Rimbayu
42500 Telok Panglima
Garang, Selangor Darul
Ehsan, Malaysia

+60 (0) 3 5525 2895

MELBOURNE, AUSTRALIA

Unit 8, 3-5 Gilda Court
Mulgrave, Victoria 3170
Australia

+61 03 8544 8544

ABU DHABI, MIDDLE EAST

PO Box 7611
Office B04, O Floor, Liwa
Centre, Tower B, Hamdan
Street, Abu Dhabi, UAE

+971 2 6777256

CALGARY, CANADA

200, 6225 10th Street SE
Calgary, Alberta
T2H 2Z9, Canada

+1 (844) 290 8504

LYON, FRANCE

Le New Castel
1, rue Louis Juttet, 69410
Champagne au Mont d'Or
France

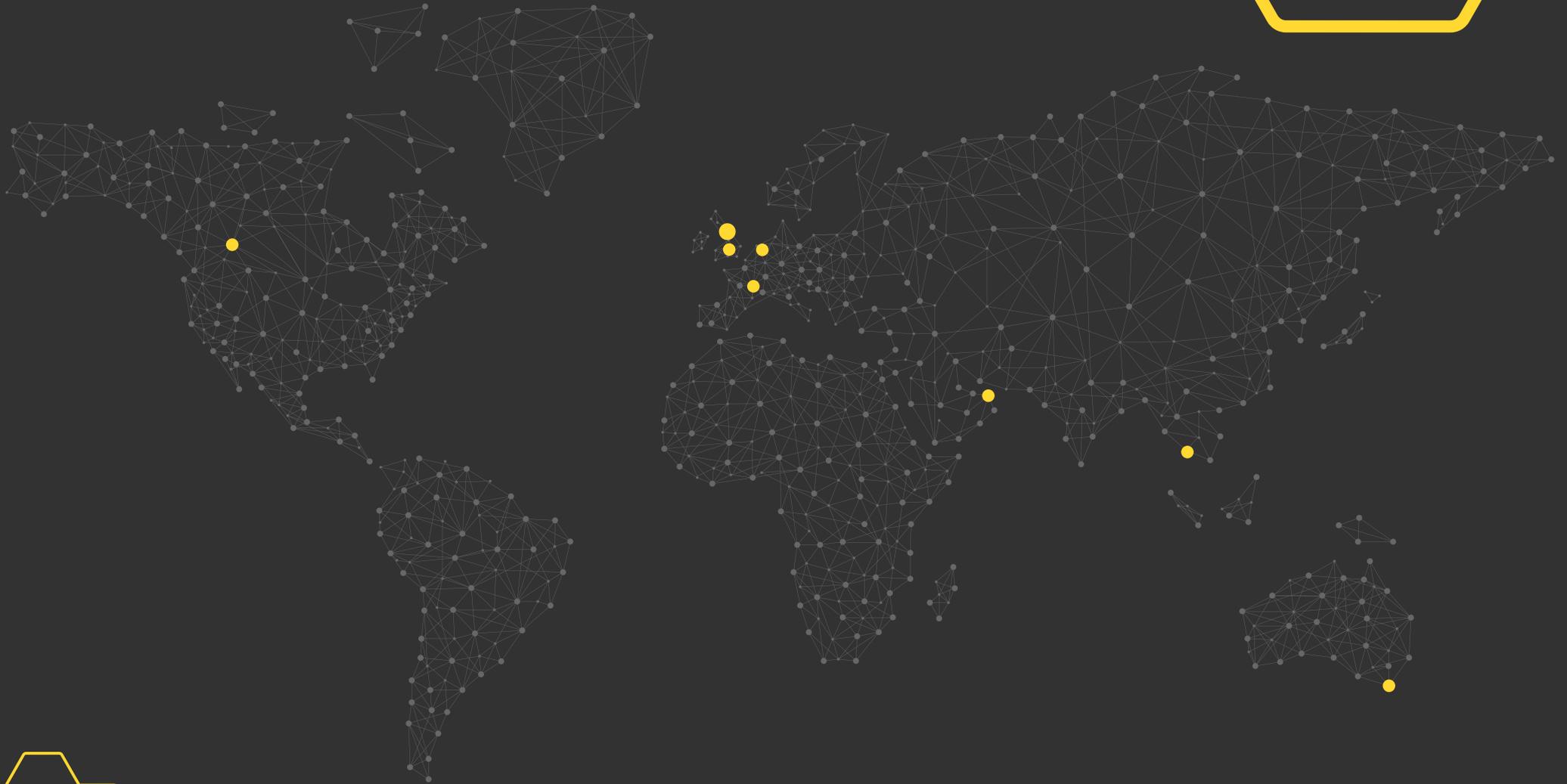
+33 (0) 4 72 19 10 62

8 rue du Colonel
Chambonnet 69500
Bron, France

+33 (0) 4 72 81 60 60

OUR OFFICES

Ovarro has a global network of offices and distributors.
Visit our website to find your local office: www.ovarro.com





OVARRO

CONNECTING TECHNOLOGIES

Ovarro Limited

Rotherside Road, Eckington
Sheffield, S21 4HL, UK

E sales@ovarro.com

T +44 (0) 1246 437 580

www.ovarro.com



Microsoft
Partner



Gold Data Analytics