

# Measurement products Water utility industry solutions

With global water application expertise and knowledge, ABB supplies an extensive range of services and solutions tailored to meet our customers' exact requirements, across the entire water cycle.



## Sustainable economic leakage levels (SELL)

ABB understands the importance of sustainable economic leakage levels to the UK water utility industry and in particular the importance of maintaining accurate information on the flows within the water supply network.

ABB flow metering technology and solutions continue to assist the UK water industry with reliable data to support district meter area:

- Minimum night flow leakage assessment
- Total integrated flow, bottom-up analysis
- Drop test leak identification

Fundamental to the estimation and reporting of leakage levels is the ongoing maintenance of the flow meter accuracy, or uncertainty.

ABB's water sector standard service packages are designed for the installation, calibration and verification of existing and new flow meter assets and have been developed in conjunction with core industry technology.

## Best practice cost efficiencies for SELL

ABB develops partnerships together with our water utility customers to realise the full potential of cost efficiencies in line with industry best practices. With an acute understanding of the principles of SELL and the implications on AMP cycle budgeting, ABB has specifically designed service packages to address the key areas for cost efficiencies:

## Reductions in the time to undertake tasks

- ABB's centralised UK coordination centre optimises field engineering activities to minimise travel/time wastage
- CalMaster2 and VeriMaster technologies together with integrated verification within WasterMaster flow meters reduce calibration & verification times

## Increases in effectiveness (quality)

- All ABB field engineers dedicated to the maintenance of your flow meter assets are certified to the highest level in ABB flow and calibration products
- 3rd party service providers are not certified by ABB and are unable to provide the same efficiencies through service quality

## Reductions in the cost of undertaking the task

- Within a service partnership (framework), ABB provides preferential rates for field services, spare parts and repair/replacement of equipment
- ABB provides field service for all types of instrumentation and analysers – e.g. gas emissions analysers and water analytics (pH, DO, etc.). Including all service requirements within a single framework significantly reduces both administration and labour costs

## Reduced manpower numbers (de-manning)

- Outsourcing the maintenance and verification of flow meters to your service partner ABB, carries the advantage of lower operating costs

### Reduced manpower costs (de-skilling)

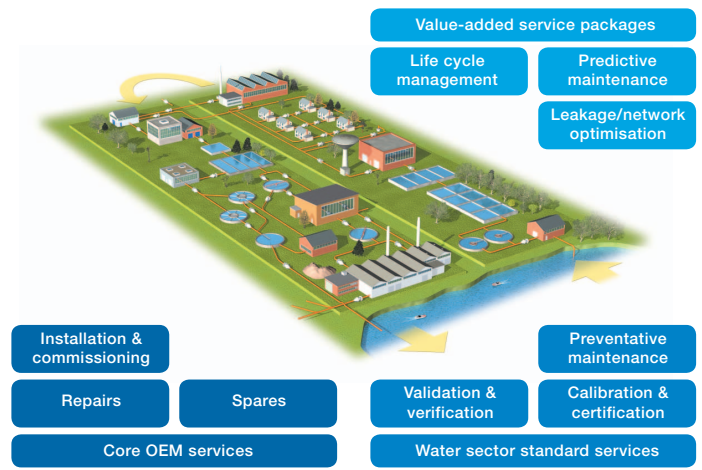
- ABB are the UK's #1 flow meter specialists and inherently possess the necessary skills to ensure quality of service. Outsourcing to ABB carries the advantage of reducing the costs for ongoing training of in-house personnel

### Improved accuracy/processing/communications

- ABB's technology extends beyond the supply and servicing of flow meters to incorporate the preventative and predictive technologies to take maintenance of your assets to the next level.
- ABB will support you with the migration of existing assets towards the current and future technologies.

ABB Measurement products services for the water utility industry have been developed over a number of years and are tiered into three categories:

- Core OEM services
- Water sector standard services
- Value-added service packages



Each of these service package components are considered briefly in the table below. ABB will tailor your framework package to meet your specific requirements, adopting the principles of SELL best practice guidelines.

Package tier	Service component	Component description
Core OEM Services	Repairs & Refurbishment	ABB's UK-based state of the art facility ensures rapid response for repair/refurbishment of all flow products.
Core OEM Services	Spare Parts	With UK-based manufacturing facilities, spare parts are easily acquired and supplied direct to the field service teams at preferential prices.
Core OEM Services	Installation & Commissioning	ABB's service team supervise installation and conduct commissioning of flow products to ensure availability and provision of extended warranty.
Water Sector	Validation & Verification	Verification, validation, calibration and certification of flow measurements are a key component of ABB's water sector service package.
Water Sector	Calibration & Certification	The goal is to accurately and expediently carry out all maintenance in-situ, however where required, ABB boasts an unparalleled range of UK calibration facilities.
Water Sector	Preventative Maintenance	ABB will design a customised preventative maintenance schedule for your flow network devices to maximise availability, whilst minimising costs.
Value-added Services	Lifecycle Management	ABB's status as the #1 supplier of instrumentation to the global water industry allows you to benefit from the cost efficiencies of new products and technologies.
Value-added Services	Predictive Maintenance	ABB compliments field services with proprietary software to enhance field device asset management.
Value-added Services	Leakage/Network Optimisation	ABB proprietary software for water leakage and network optimisation provides the pinnacle of automated solutions for water leakage management.

For more information please visit:  
[www.abb.com/service](http://www.abb.com/service)

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