



for a greener tomorrow



You wouldn't believe the things we do in the Water Industry...



Complete automation solutions from a single source

Figures which speak for themselves

Nearly 15 trillion liters of wastewater are treated every year using Mitsubishi Electric PLCs

The biggest Japanese WWTP (Tokyo, 1.6 million m³/day) and fresh water plant (Osaka, 1.7 million m³/day) are equipped with Mitsubishi Electric. More than 100 further cities and municipalities in Japan are relying on Mitsubishi Electric too

6.2 million cubic meters of desalinated water every day are produced using Mitsubishi Systems

**Mitsubishi Electric –
A Global Company:**

Founded 1921
Turnover over 40 billion \$US
Over 120,000 employees
230 factories all over the world

Our success stories in Europe



Customer: Isle of Man Water & Sewerage Authority

Project: Entire water and wastewater network. Fresh water supply up to 58,000m³. 70 dirty and 18 clean water pumping stations.

Mitsubishi Solution: Complete process control, automation and drive systems.

Benefits:

- Dual redundancy, high performance, high speed
- High energy efficiency, high level of diagnostics
- Reliable partner and local support



Customer: HAMBURG WASSER, Germany WWTP Köhlbrandhöft/Dradenau

Project: Approx. 2.9 mio. PE, 450,000m³ per day. Germany's largest and most modern WWTP.

Mitsubishi Solution: Complete renewal of process control and automation system.

Benefits:

- Highest reliability, flexible network structure
- Ease of maintenance and further upgrades
- Plant modernisation under running operation



Customer: Minsk Water Authority, Belarus

Project: Water supply network designed for up to 2 million PE. 285 booster pumping stations.

Mitsubishi Solution: Complete process control and frequency controlled booster pumps, leakage control system.

Benefits:

- Overall energy savings of 18%
- Leakage reduction of about 3 million m³ of water per year

“The support that we have received from Mitsubishi is second to none”

Roy Batty, Mechanical and Electrical Manager, IoM Water Authority

Solutions that can boost your profits



Look at the big picture

Our automation solutions can deliver you real value with significant impact on operational performance and profitability.

- Proven technology -fully integrated
- Life cycle management for less engineering effort and savings between 25% and 50%
- Preventative maintenance and leakage control



Energy management is like a journey

First you must know where you are, then you can determine where you want to be and work out a plan on how to get there. We can support you in this whole process.

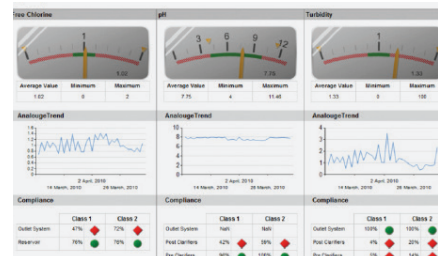
- Scalable solutions for existing as well as new sites
- Sustainable road maps from energy audits up to complete optimisation and installation
- Active energy management



Know what is going on

Systematic data collection and analysis is the main basis for all your future strategies.

- Securely manage data even from remote assets
- Less data, more information
- Automatically generated management reports



Clean water at any time

Process quality and highest possible plant availability are our biggest concern - for a secure water supply all year round.

- Multiple redundancy from SCADA to automation level
- Eliminate breakdown scenarios
- 24/7 customer service and support



A global leader in automation you can rely on

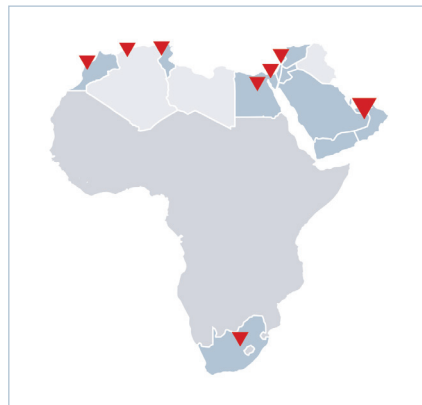


Global service and support

As with any activity, maintaining the quality and operational function of your equipment is essential. Downtime from any operational failure is never good news. In today's tough business conditions returning to full operation as soon as possible is critical. At Mitsubishi Electric we aim to deliver industry leading levels of service and support that will provide cost savings, improved machine availability and system uptime to our customers and minimise implementation risk.

We provide a professional on-site service through our System Service Team and Service Agent Network and offer a tailored range of service contracts for single and multi-site companies, on an annual or project basis called our 3 Diamond Service.

- Dedicated technical support
- 24/7 on site engineer call-out availability
- Annual maintenance visits
- Extended warranty
- Technical manual library
- Multi-vendor product support
- Commissioning service
- Repair services



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