

Latest ISO standard endorses AUMA quality

Since reporting on customer support for ISO standard 9001:2000, AUMA is delighted to report that it has achieved the latest quality accreditation.

Endorsing the quality levels achieved by the company, the award is viewed as essential in meeting customers' purchase requirements. On a wider scale, end-users influenced the latest standard by placing increased emphasis on upholding a benchmark of quality. Commenting, AUMA's Production Manager Jim Mills explains:

"Customers play an even more important role in the latest revision of the standard. It is not just the level of quality 'intended' by the supplier that is significant – emphasis is increasingly placed on assurance that quality levels will be maintained throughout the supply process.

"A Quality Management & Business System established in support of the new standard monitors all stages of the production process. This means that guaranteed proof of quality can be presented at any stage of the production or supply process."

AUMA UK Managing Director Ian Sully wholeheartedly supports the implementation of quality processes.



Commenting, he says:

"Quality has been an integral part of AUMA's culture throughout the company's history. We take great pride in our product and the QMS established in the UK has the full support of the management team. The emphasis on quality is drawn from our parent company and we have been able to capitalise on established QMS, H&S, environmental and best-practice procedures proven in Germany."

Contact Maureen Wycherley at the AUMA UK office (see details below) for:

- further copies of the newsletter
- an electronic version of Auma Solutions
- more details of newsletter features

email: maureenwycherley@auma.co.uk

Auma Actuators Ltd

Britannia Way, Clevedon
North Somerset BS21 6QH
Tel: 01275 871141
Fax: 01275 875492
email: mail@auma.co.uk
<http://www.auma.com>

Other stories

- Auma presence grows in Ireland – pages 2 and 3
- Staff news and international features – back page

...for a world in motion.

AUMA presence grows in Ireland

AUMA's foothold in the Irish market was gained over twenty years ago and, since the early 80's, the company has gone from strength to strength in the sector.

Sites supplied by AUMA include Ballymena, Lisnaskea, Mourne, Omagh, Dublin Bay, Limerick, Cork and Galway wastewater treatment works. The company also has an increasing presence in the power sector with three independent Irish stations equipped with AUMA products.

Number of success factors

Reflecting on AUMA's success, UK Managing Director Ian Sully said:

"The popularity of AUMA in Ireland can be attributed to a number of factors. Since early 2000 we have provided dedicated support to the Irish market through Paul Gough and this service has cemented our partnerships with both contractors and customers.

"AUMA's popularity in Ireland has also been strengthened by our independent status that means we can bid to all valve suppliers. And, as we don't deal through an agent, we provide highly competitive, cost-effective quotes.

Popular product design

"Additionally, AUMA's modular product design has tremendous flexibility and appeal for the market.

"Our offering has been enhanced in recent years by our portfolio of fieldbus solutions and Profibus has been a particularly popular choice with customers in Ireland."

Recent successes

A number of recent contract gains for AUMA in Ireland include Mourne Wastewater treatment works via contractors Earthtec and Ballymena/Omagh WwTW through PURAC – see full reports on adjacent page.

Landmark contract at Mourne

The supply and installation of 100 AUMA actuators utilising Profibus DP version 1 technology to Mourne



Paul Gough provides dedicated AUMA support to the Irish market

Treatment Works in Northern Ireland supports a move toward minimum operator intervention at the plant.

As one of the water sector's first applications for the new generation fieldbus solution, the installation represents a landmark contract for AUMA.

PURAC choose AUMA in Northern Ireland

Having been successful in gaining a number of contracts in Northern Ireland PURAC have selected AUMA to supply actuators to two Department for Regional Development Water Service sites.

PURAC, one of the largest process engineering companies in the UK chose Auma Actuators for the Ballymena and Omagh wastewater treatment schemes.

PURAC project manager comments on Northern Ireland schemes

Craig Siviter, PURAC project manager provides more detail on the Ballymena and Omagh schemes:

"The Ballymena scheme represents a £13.5million investment for Water Service, it serves a population equivalent of 150,000 and, to date, has required over one hundred Auma Actuators including multi-turn and part-turn products for both new and existing valves.

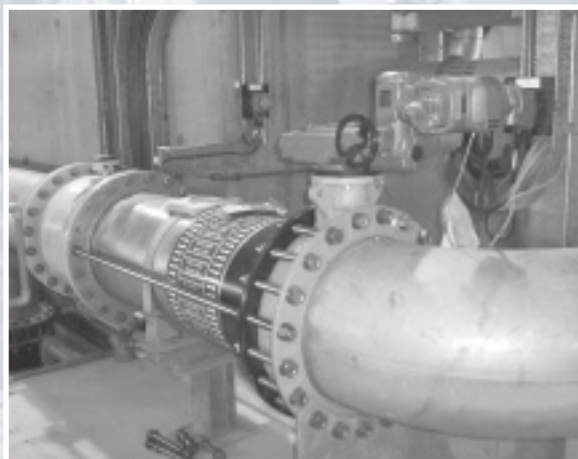
"Auma actuators were also supplied to Omagh WwTW which supports a 47,000 population and represents a £4million investment.

"The actuators, which support a wide range of valve and penstock functions at each site, were selected for their ease-of-use and ready

compatibility with the Profibus communication and control system specified by Water Service. An additional advantage of AUMA's solution was a plug-and-socket design which allows individual actuators to be easily removed from the Profibus network without disrupting the rest of the circuit."

The Ballymena Wastewater Treatment scheme comprises two existing WwTW sites interconnected by an existing transfer main. The Spencetown site is nearing the end of its operational life and, under the current scheme, the existing preliminary treatment stage will be replaced and the storm tanks will be refurbished. Improvements will also be made to the Tullagharley site – treatment capacity will be extended, existing plant will be refurbished and the sludge treatment process enhanced.

The current contract at the existing Omagh WwTW will add preliminary treatment works and storm tanks. Additionally, a new transfer pumping station will form part of the upgrade allowing sewage flows from the town of Omagh to be transferred to a remote site for secondary treatment.



Photographs show AUMA actuators installed at Mourne WTW, Northern Ireland's largest greenfield water treatment plant.

Profibus preferred for Mourne

The £20m WTW, which is Northern Ireland's largest greenfield water treatment works, treats up to 155MLD of water from the Silent Valley reservoir in the Mourne Mountains. Supporting 280,000 people in the North Down and Greater Belfast areas, the site comprises flocculation, dual media filtration and chemical treatment.

Controls for the treatment works revolve around a Siemens PLC system and a Profibus DP communications network connecting intelligent motor control centres, actuators and instrumentation.

Expanding on the benefits of adopting the latest fieldbus technology, David Adlard from Earthtech, contractors for Mourne WTW, said:

"The Profibus DP version 1 standard adopted on the Mourne project supports the move towards maximum automation at the site. Cable connection/disconnection to actuators is via a plug and socket which means that additional junction boxes are not required. Profibus network continuity is maintained within the plug which

contains the Profibus terminating resistors.

"Additionally, utilisation of the Profibus solution from AUMA significantly reduces the amount of field cabling and associated installation/equipment commissioning costs."

Suppliers to Mourne also included Tyco Flow control for valves/valve actuators and Ham Baker Hartley for penstocks/penstock actuators.



INTERNATIONAL APPLICATIONS



Retrofit remit for AUMA – Mexico

The electric valve actuator contract of a major Supervisory Control and Data Acquisition (SCADA) project was awarded to AUMA by the city of Monterrey, Mexico.

The SCADA initiative represents a major upgrade operation by Monterrey for its water distribution system and automation plays a key role in this project. Over 100 existing valves and gates have been motorised and AUMA electric actuators were selected for this application.

In a contract secured against strong international competition, AUMA's modular actuators were chosen for their water tight, robust and compact design. AUMA products were also preferred

for their user-friendly operational features that include multi-pin plug and socket cable connector and motor controls with direct PLC interface.

AUMA products exclusively selected for U.A.E pump application

AUMA has been selected to supply all electric actuators and gear operators for a pump station constructed to supply drinking water to a new residence area in Dubai, United Arab Emirates.

The latest AUMA application

takes the company's U.A.E. installed base to over 6,000 electric actuators. The project also represents the first Modbus electric actuator installation in Dubai.

Dubai Electricity and Water (DEWA), the final client for the project, listed premium product quality, modular solution flexibility and local U.A.E. support as key reasons for AUMA's exclusive supplier selection.

AUMA feature in Texas floodgates

In one its most prestigious water management actuator applications, AUMA plays a key role in new hoist technology for floodgates at the Tom Miller Dam based on the Colorado River in Texas.

The Tom Miller Dam, which is over 30m high and 450m long, has two water turbines capable of producing 15,000 kw of electric power. In addition to hydropower capability and spillway, the dam has nine 'tainter gate' style floodgates.

Original gate hoists have been replaced by a dedicated design – the new hoists consist of two drums for collecting chains with links some 127mm long; each drum is driven by an AUMA model GS worm gearbox. In turn, the worm gearboxes are driven by model GK bevel gearboxes. An AUMA SA multi turn actuator with DD output drive provides the torque to the bevel gearboxes. The gates are driven by AUMA SA25.1 actuators and GK/GS gearboxes.

AUMA UK appoints framework co-ordinator for United Utilities

Kevin Hudson has been appointed to co-ordinate all AUMA framework contract activities for United Utilities.

With over twenty years customer relations management experience, Kevin is well placed to fulfil the administrative function for this key customer.



Adopting a proactive approach to support, his role extends to liaison between valve suppliers, contractors and the end customer.

After-sales & service support dedicated number:

Tel: 0870 458 0142
email: service@auma.co.uk

Customer Care contacts:

For general customer care comments and support:
Tel: 0870 458 0141
email: customercare@auma.co.uk

auma®

...for a world in motion.