



*The Valves Division of CII is the representative body of the Indian valve industry comprising major valve manufacturers as its members. In a recent meeting, this division has been renamed as 'Valves and Actuators' Division of CII.*

*Mr. Arvind K Goel, MD, Auma India Pvt. Ltd. has been appointed as the Vice-Chairman of the division. The Valves and Actuators Division has decided to increase its activities to bring together more number of valve manufacturers, end users and consultants under one roof as well as collaborate with other international valve associations for better visibility and recognition.*



Vivek R Gurjar

## Message from the VP- QA

Auma India builds products with state-of-the-art technology, through robust design, manufacturing processes and systems. These are tested as per the national/international standards and validated prior to release. Our constant endeavor is to enhance customer satisfaction through continual improvements and ensure customer requirements are met at all times.

### Jaiprakash Associates Project, Churk & Sidhi

Auma India is executing an order of 400 actuators for the 6 x 250 TPH captive power plant of Jaiprakash Associates Project. Actuators with integral starter are being supplied for automating the process for generating power at Churk and Sidhi.

### Coastal Thermal Power Plant, Nellore

Auma India was selected to supply more than 250 actuators with integral starter to Meenakshi Energy Private Limited for the 2 x 135 MW Coastal Thermal Power Plant (Coal Fired) in Thamenapattanam, Nellore.

### Dual Voltage Application, Malaysia

Auma India has supplied actuators suitable for Dual voltage supply system (690 V / 400 V with 50 Hz., Three Phase AC supply) for a project at Phoenix Paper Mill, Malaysia.

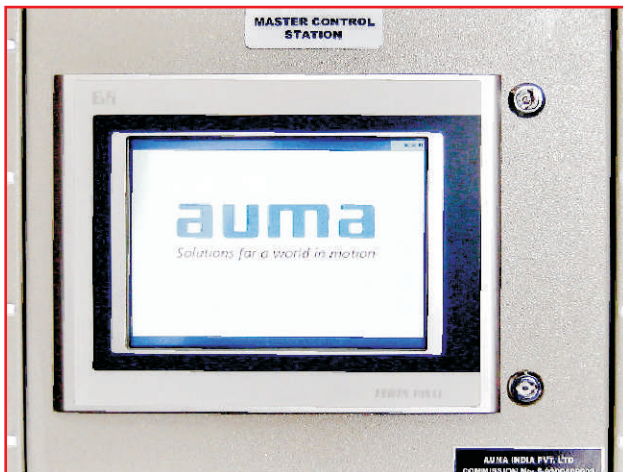
### Non- Intrusive Actuators, Mangalore

Auma Germany has received prestigious orders for supplying 140 numbers of non-intrusive actuators with foundation fieldbus protocol to automate valves in Phase II plant, Mangalore Refinery and Petrochemicals Limited (MRPL), a subsidiary of ONGC.



## Auma India is expanding!

Auma India under its expansion plan is enhancing its production capacities for manufacturing higher quantities of electric actuators and valve gearboxes. At the first stage of expansion, the capacity would be enhanced by 50% with respect to the existing capacity. Towards this, the new factory bay is under completion and sophisticated machineries like horizontal machining center would be added shortly to the existing machinery, for high precision machining of the components, to ensure high production efficiency and quality.



## Trunion mounting linear actuator with 3-meter long stroke

Auma India supplies Trunion mounting linear actuator with 3-meter long stroke to Bevecon Wayors Pvt.Ltd.



## Efficient Integration of Actuators into the DCS – Auma India Master Station (AIMS)

Auma India has introduced a Master Station solution known as AIMS, which is used to integrate actuators into an automation environment. It has a modular design with Open Fieldbus protocols such as Modbus RTU & GUI based interface and can be adapted to most conditions whilst using an identical user interface. AIMS Master Station is a significant part of a commissioning support system, network manager, data concentrator or diagnostic tool.

## Smart Actuation for a Smart World!

In various applications of the process industry it is a common practice to install motor operated valves for controlling the flow of a medium like gases or liquids. In the past, the actuators installed for automation of these valves had a basic design providing only the required minimum functionality. In most cases the electrical equipment included just a motor with a thermal protection against burn-out, some switches to define the end position OPEN and CLOSE and perhaps an additional simple torque monitoring system by means of switches to protect the valve against overload and, if needed, continuous valve position feedback.

The signals of such an actuator were simply wired to an external wiring cabinet installed somewhere in the control room to switch off the motor as soon as the end position was reached or a fault detected.

Due to progressive technological changes, today's actuators have undergone changes. Small decentralised control modules with a dedicated functionality can be directly attached to the actuator itself. Such control modules have some logic function to provide the basic functionality for the operation of the valve, in addition to an aligned switch gear for motor also. This logic functionality is based on microprocessors.

By installing actuators with such an up-to-date design of integral controls, motor operated valves become intelligent field devices. They provide not only the basic function switch which are mandatory for the operation of a plant, but are also able to monitor and verify various qualities of the actual state of the valve. These intelligent field devices help issue a pre-warning signal if the motor operated valve is not ready for service. This allows a pre-scheduling of all activities necessary especially for long-term asset management to ensure flawless, safe, reliable and profitable operation of the entire plant.

Fieldbus systems provide a media to transmit all the information required for asset management purposes using the same wires that provide the basic operation. The increasing use of fieldbus systems boost the potentials of such intelligent actuators because most of the international standardised fieldbus systems provide a deterministic communication channel which can be used for diagnostic and maintenance purposes.

Yet another argument can be placed in favour of international standardised fieldbus systems in combination with intelligent actuators: The integration into the asset management systems of various host system manufacturers can follow international standardisation such as EDDL or FDT. The standardisation makes the integration of intelligent actuators into a host system as easy as installing a printer to a PC.

In using these technologies the operators and end-users benefit most by having all necessary data available at a central asset management station in the control room.

Intelligent actuation therefore increases the availability and safety of the plant, reduces the operation and maintenance costs and contributes to the profitability of the various processes in the plants.





## Customer Training Program

28<sup>th</sup> to 30<sup>th</sup> April 2010

A 3-day training program was conducted by Auma India, which was attended by a number of customers and end-users such as Imagex – Bangalore, Delval Flow Controls Pvt. Ltd. – Pune, BILT Graphics – Pune, Tyco – Halol, Hawa Valves Pvt. Ltd. – Hubli and Chaumdeshwari Sugars – KM Doddi.

## Upcoming Customer Training Program

21<sup>st</sup> to 23<sup>rd</sup> October 2010 & 20<sup>th</sup> to 22<sup>nd</sup> January 2011

For more details

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Download the customer-training enrollment form and send it to us at [service@uma.co.in](mailto:service@uma.co.in)



## Auma India contributes towards ISKCON's Akshaya Patra Foundation



“Akshaya Patra” is a non – governmental organization that supplies mid – day meals to underprivileged school children in various parts of the country. Auma India takes pride to be associated with such a cause. Auma India recently handed over a second food distribution van to the “Akshaya Patra” foundation.

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