

# ACHEMA 2015

## Leading Show for the Process Industries

15-19 June | Frankfurt am Main | Germany



by **BERNARD  
CONTROLS®**

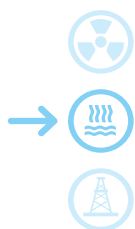
## > For the Power - Water - Industry sectors Proven technology always by your side.

The 2015 edition of the AICHEMA show opens its doors on June, 15<sup>th</sup> and will again be the place to meet for all key actors of the process industries. Bernard Controls has been offering expertise and know-how in automation and control of industrial processes for more than 75 years to these companies. The Power - Water - Industry business sectors, well represented there in Frankfurt, were the first to drive our commitment to customer-oriented innovation. A commitment which made us develop a few decades ago the compact quarter-turn actuator to automate a new type of valve: the butterfly valve. Many innovations have followed since then. The most important

achievements made us gain in-depth expertise and improve productivity and security on highly demanding markets such as the nuclear sector where we have been the leader for the past 50 years. This expertise combined with close customer relationships drove us more recently to create product labels - FIRST BC & BC PREMIUM - to perfectly address all types of users' needs: either for simple, sturdy & economical actuators or for dedicated solutions with options and services. Therefore, "Proven technology always by your side" is, not only the testimony of these technological innovations and culture of demanding requirements.

This claim is also and above all, what we offer to our customers in their industrial processes: the guarantee of a real commitment for product reliability, accurate solutions and dedicated support, from all BC teams and at every stages, will it be design, production, delivery or any others. Invest in Confidence, this has been going for more than 75 years.

*Thermal power plants,  
water distribution,  
waste water treatment,  
desalination,  
building automation,  
shipbuilding...*



//////////////////// **Proven technology** always by your side //////////////////////



# New multi-turn FIRST BC actuator: ET Range

## Industrial actuation made easy

BERNARD CONTROLS, inventor of the industrial compact quarter turn actuator, brings to its customers valve actuation solutions supported by decades of experience.

Through discussions with users over the years, BERNARD CONTROLS has identified a demand for electric actuators that are both simple and sturdy. This demand is fulfilled with BERNARD CONTROLS' FIRST BC labelled products. These actuators are well designed to work under moderate environmental & operational conditions.

These ranges have been developed without compromising on quality, applying the unique expertise and feedback that are the cornerstones of BERNARD CONTROLS' reputation. Thus, the FIRST BC label is the guarantee of actuator solutions with a total cost of ownership (TCO) among the lowest in their category, thanks to easy commissioning, proven reliability and a maintenance-free design.

The quarter-turn EZ range was the first product range to meet all criteria set by the FIRST BC label. With the ET range, BC now offers a multi-turn actuator solution to its customers within the FIRST BC label criteria.


**FIRST BC**

### ET RANGE

- Easy commissioning
- Proven reliability
- Maintenance-free

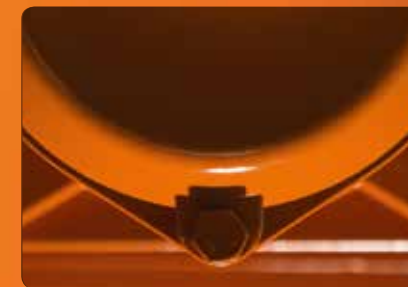


## Product Specifications

- Adaptation to all multi-turn valves: torque range from 30 to 200 Nm
- IP 67 / NEMA 4X
- Duty & Modulating Classification:
  - › Class A: On/Off
  - › Class B: Positioning
- Type of controls:
  - › Switches - ET SWITCH for On-Off applications
  - › Integrated control - ET LOGIC for On-Off or Positioning applications

## Focus on ET LOGIC: Extended control features & improved user-friendliness

- › Easy commissioning: non-intrusive simplified settings thanks to keys and menus on local display,
- › Improved compactness of integrated electronics.
- › Local commands with 4 keys and signaling on a 7-segment display, with position displayed in percentage of opening.



## Other products on our stand:

As a global electric actuator specialist, BERNARD CONTROLS offers a wide range of solutions to meet all types of customers' needs. Two product labels guide your selection: FIRST BC for moderate environmental & operational conditions and BC PREMIUM for demanding applications with panel of options and services.

### FQ RANGE

Failsafe  
Quarter-turn Actuators



- For all Quarter-turn valves :
  - › Torque range from 40 to 500 Nm
- IP67
- Duty & Modulating Classification
  - › On-Off: Class A
  - › Inching/Positioning: Class B
  - › Modulating: Class III (complying with EN15714-2 Class C)

- Type of controls
  - › Electromechanical SWITCH
  - › INTEGRATED with INTEGRAL/ POSIGAM control box
- Explosion proof versions available (ATEX, NEMA)
- Motor: 3PH, 1PH & DC versions available
- Maintenance-free

### EZ RANGE

Weatherproof  
Quarter-turn Actuators



- Adaptation to all types of quarter-turn valves:
  - › Torque range from 45 to 10,000 Nm
- IP 67
- Duty & Modulating Classification:
  - › On-Off : Class A
  - › Inching/Positioning : Class B
- Type of Controls
  - › Electromechanical SWITCH
  - › Integrated LOGIC
- Compact design

### BC MODULATING RANGE

Continuous  
Modulating Actuators



- Adaptation to all types of valves: Quarter-turn, Multi-turn, Linear
- IP67 standard for MA, MB, MAS, MBS models
- IP 68 standard for SQXM & STXM models (on option for MA, MB, MAS, MBS)
- Explosionproof versions ATEX-NEMA (SQXM/STXM)
- EN15714-2 Duty classification:
  - › Continuous modulating : Class D
- Up to high speed and high resolution



# Global partner, always by your side

## Global presence & Local support



## A Group Organization focused on customer support & satisfaction

### 1 Corporate Headquarters

### 4 Operating Areas

Satisfy regional market needs

### 11 Operating Units

Local contacts for dedicated customer support

### 2 Manufacturing Units

Deliver customers all around the world

Reliability, availability and responsiveness are the key patterns that turn sales contacts into close trusting relationships. BC's global Group organization aims at building up this kind of relationships, thus enhancing customer service and satisfaction.

New processes combined with this organization enable improved response time and appropriate technical & commercial solutions to market needs.

While our global presence is the guarantee of a strong customer support everywhere on earth, especially for global projects, the creation of Operating Areas with Operating Units proves to be the relevant response to local market needs.

**BERNARD CONTROLS, always by your side, everywhere on the globe.**



Use BERNARD CONTROLS GPS Actuator:  
The web application that guides you to find your electric actuation solution in 5 key steps.

[www.gpsactuator.com](http://www.gpsactuator.com)