



WHO WE ARE

Implementing the advantages of electronics for mechanics and power fluid is the entrepreneur spirit that since the eighties has led to the growth of BPE Electronics with major investments in research and development of innovative sensors for cranes, aerial platforms, loaders and truck cranes.

It is actively growing and has found continuity, as well as new horizons thanks to a partnership with Brevini Fluid Power, an Italian owned business founded in 2003 by the union of companies from the fluid power sector for over forty years. It is a main hub for made in Italy businesses in the mechatronics sector which includes, besides Brevini Fluid Power in Reggio Emilia, OT Oil Technology in Parma, as well as BPE Electronics in Novellara and Brevini Fluid Power Yancheng in China.

Together to make a difference

BPE Electronics has become a Brevini Fluid Power Company since 2008. The company from Novellara, specialised in electronics was fully part of the development plan based on synergies that unite the entire Brevini Group, a hub which also includes Brevini Power Transmission and Brevini Wind with a turnover of more than Euro 400 million, 2,500 employees and production units in Italy, Germany, China, United States and Brazil.

ELECTRONIC BOARDS

Design, manufacturing and implementation of full custom systems for any application, electronic boards, radio controlled systems and remote GSM telemetry.

Customizable and programmable electronic boards

12/24 V_{DC}, PL c/d (EN 13849-1) or Cat. 2/3 (EN 954-1), PC GUI software compatible



M93 24/48 input, 17/34 output. Programmable on request. Modular. Two independent CAN bus channels
MD93 24 input, 17 output. Programmable on request. Embedded display. Modular. Two independent CAN bus channels
MG93
M96



M92 10 input, 7 output
Programmable on request.
Modular. CAN bus.
LLD300M82 Geometric, moment or load control.
MD83 20 input, 6 output.
Programmable on request.
Embedded display.
VPL 3/2 input, 1/2 output.
Programmable on request.
LEDs bar and actuation/signalling output.
LLD150I Pressure, moment or load control.
Easy trimmer calibration.

Tilt devices

12/24 V_{DC}, PL c/d (EN 13849-1) or Cat. 2/3 (EN 954-1), PC GUI software compatible



IDXYmP MkII
Programmable maximum tilt limitation, two thresholds, special functions on request.

Solenoid valves driver

12/24 V_{DC}, PL c/d (EN 13849-1) or Cat. 2/3 (EN 954-1), PC GUI software compatible



MAV4211, MAV1152
4x2 proportional and 1 ON/OFF solenoid valves
5x2 ON/OFF and 1 proportional solenoid valves

Leveling devices

12/24 V_{DC}, PL c/d (EN 13849-1) or Cat. 2/3 (EN 954-1), PC GUI software compatible



LAB3
One axis proportional leveling and load control



IDXYmP MkII
ON/OFF leveling up to 4 semi-axis



GP200
Up to 4x2 solenoid valves, with embedded sensor



M93 Fully customizable, with remote sensor.



SP MkII

Signal amplifiers

12/24 V_{DC}, redundant version and special functions on request



ADS-100



ADS-200

Voltage, current or CAN bus output

Solar tracking control systems

12/24 V_{DC}, modular, PC GUI software compatible



MD83 Sun



MD93 Sun

Modular solar tracker control and management

TRANSDUCERS

Design and manufacturing of custom transducers, load pins and load cells.

Angle transducers

5/12/24 Vdc,
redundant channel
on request



TAC MkII

Digital, with ratiometric, voltage, current or CAN bus output. Angular range up to 360 degrees



SP MkII

Digital, with ratiometric, voltage, current or CAN bus output. Measurable tilt up to ± 20 degrees



TA-Sc

Analog, with ratiometric output, for relative angle measure, from 0 to 270 degrees



TA-320

Analog, with ratiometric output, from 0 to 320 degrees

Length transducers

5/12/24 Vdc,
redundant channel
on request



TL (From 8.5 to 50 m)

Ratiometric, voltage, current or CAN bus output



TLu (Until 5.5 m)

Angle and length transducers

5/12/24 Vdc,
redundant channel
on request



AS (From 8.5 to 13.5 m)

Ratiometric, voltage, current or CAN bus output



ASu (Until 5.5 m)

Strain gauge transducers and load cells

5/12/24 Vdc,
redundant channel
and special sizes on
request



TAN

Ring cell



TC

Compression cell



TC35

35 mm diameter compression cell



TC45

45 mm diameter compression cell



TC82

82 mm diameter compression cell



TT

Shear cell



TPE

Pin cell



TR

Traction cell



TD

Deformation transducer

Displays

12/24 Vdc



OPUS

Programmable colour graphic display. Some sizes available



GPD-X1

2x20 digits LCD display



VPM-CM

Double LEDs bar display

Pressure transducers



TPV-M / TPA-M

From 0.5 to 4.0 Vdc or from 4 to 20 mA signal. Full scale 250 or 400 bar. Special pressure values on request.

End user custom software



BPEterminal

For set up and advanced configuration



BPEbricks

For electronic board programming

Innovation for growth

BPE Electronics was founded in 1987 thanks to the entrepreneur spirit of Angelo Becchi who had set off many researches and experimentations since the 1980s that mainly resulted in the production of electronic boards, control modules, levelling devices, planarity indicators, angle sensors, length sensors, angle and length sensors, pressure transducers, extensometer transducers and load cells, displays, solar tracking systems, amplifiers for extensometer transducers and power supply units, all for many applications in the mobile, lifting and machine management and safety sectors. The BPE Electronics know-how is the basis of systems and fully customisable solutions and hence highly competitive in sectors such as in the machine management, control and safety sectors.

The company's headquarters are located in Novellara (Reggio Emilia) and the company relies on about thirty highly qualified employees. BPE has reached a turnover of Euro 6 million with exportations reaching 40% and will continue to grow thanks to the synergies established with Brevini Fluid Power. BPE Electronics is a CIA registered company, CAN Automation Institute. The standard protocol CANopen is used with CAN and POWERLINK communication technologies. In 2004, the research centre BPE Electronics was accredited by the Italian Ministry of University and Scientific Research and is part of the Italian network of laboratories created to give an active contribution to technology innovation in terms of efficiency and productivity. BPE Electronics has been certified with the quality management system UNI EN ISO 9001:2008 issued by DNV Italia.



Progettazione, produzione e assistenza di schede elettroniche e trasduttori per il controllo di apparecchi di sollevamento (Cottone EA-10)



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