

ABB Australia training office and support services Moorebank (Sydney) – a stand-alone facility



ABB Measurement & Analytics has expanded its support capability to the Australian and Regional Markets with the addition of a stand-alone Analytical and Instrument training facility at its site in Moorebank, a suburb in Sydney.

Measurement made easy

Introduction

ABB Measurement & Analytics has expanded its support capability to the Australian and Regional Markets with the addition of a stand-alone Analytical and Instrument training facility at its site in Moorebank, a suburb of Sydney. ABB has been located at Moorebank for 25 years with the site being originally a transformer manufacturing facility. With 50 employees operating out of Moorebank, this is Measurement and Analytics main location. The new training facility compliments the existing Flowmeter Calibration Laboratory (Certified to ISO/IEC 17025) and the mechanical and sample system integration facilities.

Why was the training facility built?

ABB has been supplying Instrumentation to customers in Australia over 100 years. Over the years we have developed a good market share of analytical products (approx. 70 % Process Gas Chromatographs, and approx. 55 % Natural Gas Chromatographs) which needs on-going after-sales/service support, such as training and site servicing. With the recent expansion of LNG plants around Australia, there has been a shortage of skilled technicians and experienced analytical engineers to be able to look after existing and new equipment installations, which has resulted in an on-going need to upskill existing technicians and engineers.

Customers are usually not able to fly to overseas locations like Frankfurt, Lewisburg, Bartlesville, Stonehouse from a cost and schedule perspective, so they have a preference for local based training so that they are able to train more technicians. Customers have told us that they also have a preference for a more hands-on approach for training using actual carrier and calibration test gases. Our aim is to ultimately have one student per analyzer for practical sessions. We have worked with the ABB factories to achieve this to maximise student participation and learning.

Key training features

- Desirable and easy-to-reach location
- Factory-certified trainers and support engineers
- Approximately 35 % of all training content features hands-on, lab activities including fault finding exercises and calibrations
- Dedicated fixed analyzer to student ratios, for maximum learning and participation
- Training material, including PowerPoint® presentations and certification provided
- ABB carry bag with promotional items for each student
- Lunch and refreshments provided for all days

Current training courses (customizable on request)

Code	Course name	Duration
Z2300	Introduction to gas chromatography	1 day
Z2301	PGC5000 Operation & Maintenance training	4 days
Z2302	PGC2000 Operation & Maintenance training (TBC)	4 days
Z2303	NGC 8200 Series Operation & Maintenance training	3 days
Z2304	CGA Operation & Maintenance training	2 days
Z2305	CGA Advanced Operation & Maintenance training	1 day
Z2306	Fundamentals of Instrumentations and control Covering Flow, Analytical and Field instrument selection, commissioning,	2 days
Z2307	Best Engineering practice for electromagnetic flowmeter installation, calibration and maintenance	1 day
Z2308	Operations and Maintenance of water quality analyzers Covering pH, conductivity, turbidity, dissolved oxygen, chlorine	1 day
Z2309	Operation & Maintenance of ion-selective analyzers and colorimetric analyzers Covering a range of analyzers including silica, sodium, manganese, ammonia, iron	1 day

Schedule of current training courses

Featured products

- PGC5000
- NGC8200 series
- AO2000 / EL3000 CGA series
- Water analytical
- Process instrumentation

Typical customers attending the training

Predominantly Oil & Gas, Petrochemical & Refining, Cement, Power, Water & Waste Water, Mining & Minerals.

Other services from ABB Measurement & Analytics in Australia

Measurement & Analytics offers a broad scope of services delivering end-to-end support.



Installation & Commissioning

Full spectrum of start-up and commissioning services from full project management to installation support.

Preventative services

Customizable service contracts tailored to meet the unique requirements of each facility.

Maintenance

Preventative and corrective maintenance services help maximize the performance of control equipment

Consulting

Plant evaluation to identify opportunities for improvement and performance enhancement

Training

A portfolio of standard courseware to help operator and maintenance personnel keep skills up-to-date, and feel confident in servicing ABB equipment.

Parts and repair

Global logistics network provides quick and easy parts ordering, shipping and tracking, making critical parts readily available

Service level agreements (priority services)

On-call telephone service support

Access to process analytics factory-certified engineers with priority via telephone support on technical matters

Access to regional support

Priority access to regional and factory technical support

Emergency breakdown maintenance

Urgent and priority deployment of factory trained certified engineers to minimize downtime

Hot spares

Immediate dispatch with priority of loan spares from analytical products in hot stand-by mode in Australia

Bi-annual meeting

Close collaboration to understand customer needs and expectations

Preventative maintenance

Mobilisation with priority of factory-trained certified engineers for preventative and corrective maintenance services to assist maximize performance of analytical equipment

Flow calibration services

The Flowmeter Calibration Laboratory at Moorebank provides calibration services available to all liquid flowmeter users. The NATA registered facility can calibrate flow meters up to 750 mm in diameter to a maximum flow rate of 750 liters per second. The facility can also test hydraulic performance of pumps and valves, again up to 750 liters per sec. ABB has three flowmeter test rigs at this flowmeter calibration laboratory in Moorebank. This unique facility reflects ABB's continued leadership in the field of flow measurement and is cornerstone to the company's global flow calibration ability joining with other flow laboratories in the UK, USA and Germany.

This investment makes possible the manufacture, repair and calibration of one of the world's most extensive range of flow measuring instruments and primary flow devices, and is an important Australian facility for flowmeter users who can have their flowmeter calibrations verified or recalibrated after repair at a local facility.

Custom manufacturing and repair services

Measurement and Analytics in Australia has mechanical fabrication and repair services in house. This service allows for the building of custom design solutions for the measurement of flow using wedge flow meters and the ability to design and fabricate unique instrument mounts, orifice plates and spool pieces to customer requirements. Potting of electrical connections, and refurbishment of large diameter electromagnetic flowmeters, including relining, and flange repair.



Examples of custom flowmeters – made in Australia

Acknowledgements

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