

# Secondary Systems Services

Industry expertise, in-depth understanding, specialist support

It's the way we're wired

Secondary systems are a critical component of any HV system – providing protection and control to your primary plant assets, and enhancing the reliability, safety and performance of plant. Secondary systems are often complex and connect to multiple remote systems, requiring thorough planning and an experienced team to ensure system security is maintained at all project stages.

PBA understands this well. We recognise that secondary systems are all about protecting personnel and equipment, whilst maintaining maximum asset availability and security.

Our market-leading expertise spans all industry segments – generation, transmission and

distribution – and a wide range of protection and control schemes/equipment. We offer specialist end-to-end testing and commissioning services for complete substations, including all protection, SCADA and control equipment.

PBA Secondary Systems staff are industry experts in their field. Our in-depth understanding of our clients' business requirements (technical, quality, safety, environmental) underpins our ability to provide the highest level of specialist support.

## PBA Secondary Systems clients benefit from:

- A mobile, flexible and highly responsive service
- Market-leading expertise spanning all major secondary transmission and distribution systems
- A highly trained team, with hands-on offshore training
- The full range of specialist secondary system services. See the back of this brochure for more details.

**pba**  
THE HIGH VOLTAGE EXPERTS

[pbanz.com](http://pbanz.com)

## Specialist secondary system services

PBA offers the full range of specialist secondary system services.

### These include:

- Scheme testing of bus zone, differential and line protection
- Protection relay testing for all equipment and schemes including transformers, transmission lines, generation, CBFail and Bus Zone
- End-to-end testing of communications assisted line protection using GPS synchronised test instruments
- Instrument transformer acceptance, routine, and forensic testing
- Experience with a wide range of relays, from various vendors
- Testing of SCADA systems
- End-to-end testing of substations and protection upgrade projects
- Testing of IEC 61850 protection schemes
- Provision of technical resource to other service provider projects/maintenance – we can work with any parties as required
- Commissioning services for all the above technologies.

## Enjoy peace of mind

PBA's clients enjoy the peace of mind that comes from working with a provider strongly focused on full regulatory compliance and adherence to technical standards.

### We also tick all the other boxes that give our clients the reassurance they need:

- ✓ Proactive minimisation of health and safety and environmental risks
- ✓ Efficient, cost-effective, transparent solutions that optimise smooth operations and minimise plant downtime and cost
- ✓ Working with people who bring leading industry accreditations and proven results, and who speak our clients' language

## PBA's knowledge spans the high voltage system

PBA brings leading practical, in-depth expertise, spanning all aspects of the high-voltage system; going beyond compliance and proactively developing innovative risk management and mitigation solutions for our clients.

In the electricity industry PBA covers the whole spectrum, from major projects to specialist services and support solutions. The breadth and depth of applied high-voltage expertise that we offer is unique.

### This leadership position is underpinned by our:

- People's care and commitment to excellence and quality outcomes
- People's ability to bridge management/procurement and technical/field personnel
- Technical innovation, impeccable professional standards and industry connections
- Agile and mobile services, superior support and long-run commitment.



### Contact:

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