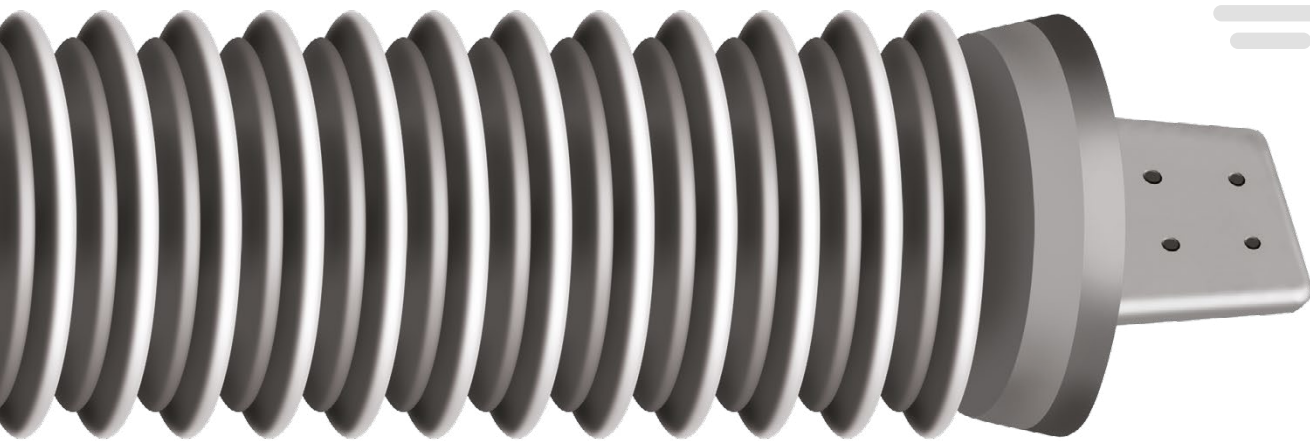


# SF<sub>6</sub> Solutions

Leadership, world class innovation and unique expertise from the team at PBA

It's the way we're wired



**SF<sub>6</sub> is the ideal high voltage insulator. As a result its use is growing. However, usage poses a number of operational and compliance challenges.**

At PBA meeting the standards of SF<sub>6</sub> compliance is just the first step to excellence and customer satisfaction.

Our team intimately understands the complexities of using SF<sub>6</sub> and we bring you innovation, holistic understanding and industry leadership. We focus this talent on unlocking maximum benefit of SF<sub>6</sub> at minimum risk and cost to your organisation.

In essence, PBA is committed to pushing the definition of industry best practise ever higher, whilst constantly delivering cost effective, highly expert solutions.

This commitment is reflected in our innovative design and build of superior gas management equipment, including a specialised gas handling cart and SF<sub>6</sub> mass-flow meter system.

So if SF<sub>6</sub> compliance and easily accessible, cost effective, yet high quality solutions are important to you, turn to PBA today – we are the leaders.

## **PBA's SF<sub>6</sub> clients enjoy:**

- All-encompassing service provision from a flexible and mobile team, responsive to short notice needs
- Minimisation of potential human and environmental harm
- Proven management of compliance risks
- Proven and trusted leak identification, backed by the skills to also plan and execute field repairs or workshop overhaul of the leaking asset
- Minimised cost and equipment downtime
- Leading expertise and purpose built equipment
- Peace of mind
- Efficient cost effective solutions



**pba**  
THE HIGH VOLTAGE EXPERTS

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

## Regulatory compliance and best practice matters....

The EPA has enforcement powers under the Climate Change Response Act 2002. Offenders can be fined up to \$50,000 for wilfully releasing SF6 into the atmosphere. A defence against wilful release is application of industry best practice.

For best practice, PBA's baseline is total familiarity with all SF6 regulations; and with client reporting requirements tied to these regulations, notably New Zealand's national grid provider, for whom PBA manages all SF6 stocks and is custodian of their two SF6 leak detection cameras.

### PBA clients enjoy:

- Avoidance of potential penalties and loss of reputation for non-compliance
- Transparency and on-line accessibility of information regarding the state of an asset owner's fleet of SF6 equipment
- Confidence that the industry leader is ensuring 100% compliance and taking responsibility for every SF6 requirement

## But Compliance is just the beginning....

PBA goes beyond compliance, constantly striving to raise best practice in the New Zealand high voltage industry.

## We are mastering the resultant complexity...

Specialist equipment and expertise are essential to maximise gas life, minimise releases, meet compliance, avoid potential harm and minimise costs.

## And bettering best practise....

### PBA goes beyond compliance to raise industry best practice in all SF6 areas:

- purity
- requesting gas
- documentation
- cylinder types/sizes
- data management
- storage
- filling
- innovative gas handling equipment

## To unlock the full value of SF6 for you

SF6 is an ideal high voltage insulator - more efficient than oil, allowing the production of equipment which takes up much less space in a switchyard or building. SF6 also exhibits unique 'healing' properties after being subjected to the arcing which occurs within a circuit breaker. With the right expertise, SF6 will improve asset management.

Everyone agrees that value is not always about the cheapest hourly rate. An old adage is you pay for what you get. At PBA we agree. Our full service expertise delivers a safer solution with less net cost and downtime.

### PBA's unique SF6 solutions

PBA brings all facets of SF6 handling and management together in one solution to optimise the asset management potential of SF6.

#### We provide the full suite of services encompassing:

Field and Lab Testing of SF6 Gas

Sourcing, supply, transportation, emptying, filling, top up and consolidation of SF6 Gas

Mobile SF6 Gas recovery plants, compliant to all industry specifications

Web-based data management of SF6 stock, transactions and reporting

Disposal of SF6 which has deteriorated due to repeated exposure to arcing

Consolidation of SF6 Gas

Purification of SF6 Gas

### SF6 Gas Monitoring and Measurement System (mass-flow measurement)

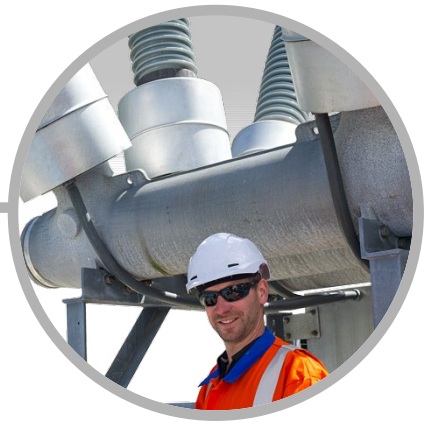
Our specialised SF6 gas instrument measures dew-point, temperature, mass and pressure and is a must-have in every SF6 tool kit.

#### It comes with a supporting paperless data log system that monitors:

Quantity (mass-flow) out and in of each vessel (cylinder or equipment)

Flow rate (a requirement currently not being adhered to)

Dew-point and temperature (for quality control)



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