



Abratech Pty Ltd | Abrazytec

ACN:649 068 379 / ABN:27 649 068 379

202/37 Barrack St, Perth WA 6000

www.abrazytec.com

CONTACT

Belton Tshado – Director Operations

Chipo Chirove – Manager Projects

MOBILE

+61 437 447 397

+61 447 447 394

E-MAIL

belton@abratec.com.au

chipo@abrazytec.com



Abratech Pty Ltd | Abrazytec

ACN:649 068 379 / ABN:27 649 068 379

Power Generation Transmission & Distribution services

Abratech Pty Ltd provides; Power Generation, transmission and distribution networks and systems, cables & over-head lines networks, lighting, mining (crushers, conveyors, stackers, re-claimers, ship loaders, minerals processing plants) oil & gas electrical systems, design, procurement, construction, commissioning. Construction verification works, maintenance and repair works. Performing factory & site acceptance tests. Certification & compilation of reports as per International Standards. Industrial & commercial design, construction, commissioning, Maintenance & repairs services. Substations, switch- rooms, switchboards. Our vision is Excellency in Electrical Engineering providing the best services to our customers and clients.



Power Generation Capability

Abratech Pty Ltd provides Power Generation Stations Design, Procurement, Construction / installation, Commissioning & Maintenance. Various technologies that are affordable, environmental friendly, reliable, have short time installation & commissioning. Robust, reliable design High fuel flexibility – High exhaust energy Well-proven dry low emissions (DLE), combustion systems. On-load fuel changeover (gas to liquid fuel and liquid fuel to gas) Low lifecycle costs. Generation capacities range from 0.5MW minimum. Tariff rates will be calculated. The generators can be connected to the existing grid or operate on island mode.



Power Generation Technologies

Abratech Pty Ltd will request power demand & deficit and current costs & expenses. Generation capacities will be calculated and a plan rolled out. A visibility study will be carried out to determine suitable generation capacities, locations of power plants transmission and distribution grid connection requirements. The relevant suitable Power generation technologies will be selected and installed. Some of the systems may include a combination of technologies some of which are modular and compact plug and play type and takes short time to install.



Power Generation Technologies

- Solar Energy.
- Hydro-power.
- Gas Turbines.
- Wind turbines.
- Reciprocating Engines Power.
- Hybrid Systems.
- Hydrogen / Nitrogen Power generation Energy Solutions.
- Biogas Power Generations Systems.



Fuel Source

In the event that fuel sources are needed, they shall be established for the required duration of the power plant. If there is no fuel supply network in the area alternative arrangements can be arranged. Fuel imports from various suppliers for long term plans can be arranged. If the agreement runs for more than ten years, a long term reliable plan can be organised.

Financing & Funding

Funding the project will be required there are a lot of alternatives that can be explored. Local funding from financiers or international finance can be sourced. Abratech Pty Ltd may assist if required.



Service Agreements

Abratech Pty Ltd offers Long Term Service Agreements (LTSA) for power plants coupled with customer-focused solutions which enable operators to achieve top-in-class levels of power plant availability, and in turn help secure the reliability of the overall grid. In designing LTSA-based solutions, Abratech Pty Ltd focusing on optimizing plant operations while minimizing maintenance costs, taking responsibility for planning maintenance programs, spare parts supply, dispatch of technical advisors, remote monitoring, and more.



Long Term Service Agreements (LTSA) Key support areas

- Short & long-term maintenance to minimize plant network & power system downtime and optimize operation/maintenance costs.
- Optimization LTSA scope and spreading of maintenance costs expenditure over time to minimize customers operating costs.
- Quality parts supply & replacement and technical support from highly experienced engineers.
- Utilization of remote monitoring and operating data diagnostic systems to assist with general plant optimization, including fuel change-overs, operating load changes, maintenance interval extensions and more.
- Provision of business-risk minimization solutions, such as ways to contend with decreased demand, unexpected plant outages.



Abratech Pty Ltd | Abrazytec

ACN:649 068 379 / ABN:27 649 068 379

Together we can make it happen

Providing the Power you need

Thank you