# BLACKTREE
## T E C H N O L O G Y

### Contact Blacktree Technology

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## CAPABILITIES

### *System solutions from the "back of the radio to the tip of the antenna"*

Blacktree specialises in mission-critical communication solutions in urban, remote and harsh operating environments, drawing on our knowledge of technologies including:

- **Narrow-Band and Wide Band Satcom** – UHF, L , C, X, Ku, Ka bands; Satcom-On-The-Move (SOTM); Satcom-On-The Pause (SOTP)
- **Terrestrial Communications** – Commercial HF, VHF, UHF systems; licensed and public spectrum microwave; DSL, fibre, broadband radio and LTE systems
- **RF Components Manufacturing** – UHF helical antennas, redeployable Bifilar helical antennas, antenna pedestals, bandpass filters and diplexers
- **Monitoring and Management Systems** – RF Isolation switches, RadHaz management, RF power sensors, directional couplers

Blacktree provides full vertical system integration including:

- **Design** – Collaborative solution identification; systems engineering; technology selection, product development for specific project challenges
- **Delivery** – Project management; procurement and manufacturing; system build, integration and testing; installation and commissioning
- **Sustainment** – Through life system maintenance, original equipment manufacturer and support, legacy and orphan product support; obsolescence management; customised training for operators and maintainers.

## KEY CLIENTS & PARTNERS

### *Global cross-industry client base*

We provide direct and subcontracted services to clients such as:

- **Australian Defence** – Capability Acquisition & Sustainment Group, Narrowband Support Services Contract
- **Global Defence Prime Contractors**
- **Domestic and International governments** – Product sales and sustainment within UK, USA, EU and Asia.
- **Commercial** telecommunications, space, resources and industrial sectors (Intelsat, SES)
- **Short term critical infrastructure projects** – Special and major sporting events (Rally Australia, Australasian Safari)

'**The Home of Spirit River and Cidaal**' – Blacktree is the world's only supplier and maintainer of these specialist HPA and LNA technologies.

## DISCRIMINATORS

### *Vertical systems integrator for all UHF Satcom technologies*

- Sole IP holder of '**Spirit River**' and '**Cidaal Electronic**' technology
- **Flexible and collaborative solutions:**
  - » Technology agnostic and experienced with a range of new and legacy products
  - » Able to provide full or part system life-cycle design
- Demonstrated **defence and security ethos**
- **Unique Australian sovereign capability** for highly specialised UHF narrow-band Satcom communication technologies with approximately 90 per cent of our equipment is manufactured locally in Australia.

## ACCREDITATIONS

- **Triple Certified Integrated Management System**
- **Compliant with Defence Export Controls** (Australia), conversant with ITAR and EAR policies (United States)
- NATO/National Stock Numbers for critical products. **NCAGE Code – Z0XK4**

AUSTRALIAN TRUSTED TRADER

ISO 9001
ISO 14001
ISO 45001
**BUREAU VERITAS Certification**

BUREAU VERITAS 1828