

# CHAP AirTech Pty Ltd

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Ref: CHAP-ACIP-261103-1

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Wednesday 26<sup>th</sup> November 2003

Dear Sir,

**Re: PUBLIC INQUIRY PATENTS & EXPERIMENTAL USE.**

We wish to advise the Advisory Council on Intellectual Property (ACIP) of CHAP AirTech's developments in progress and steps it has taken to secure its 'Intellectual Property' pertaining to '*Hummingbird*' Project.

I must stress that the information I am providing to you is not a Promotional Campaign, rather advising you of the actions CHAP AirTech Management is taking to secure its Intellectual Property.

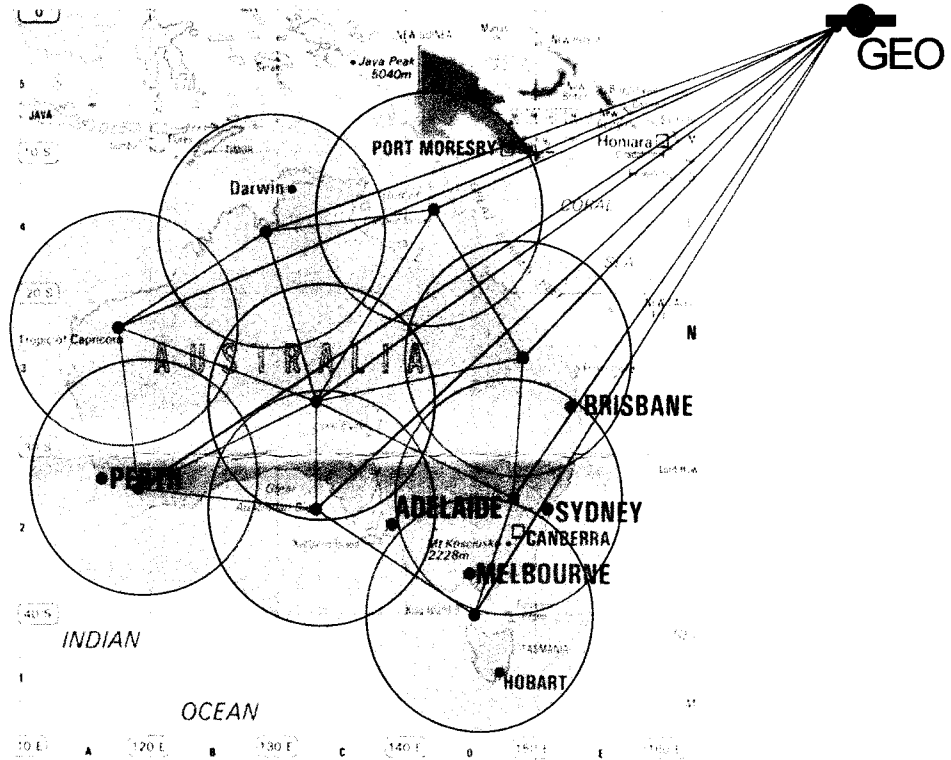
☀ **CHAP AirTech '*Hummingbird*' PROJECT SUMMARY:**

CHAP AirTech Pty Ltd was incorporated to deliver an unmanned long flight endurance high altitude semi-stationary aircraft ("*Hummingbird*") to deliver Digital Phone, TV, Surveillance and Reconnaissance services. CHAP AirTech's '*Hummingbird*' Program is an intermediary step between ground stations and satellites, incorporating a wide array of advanced technology exclusive to the Company.

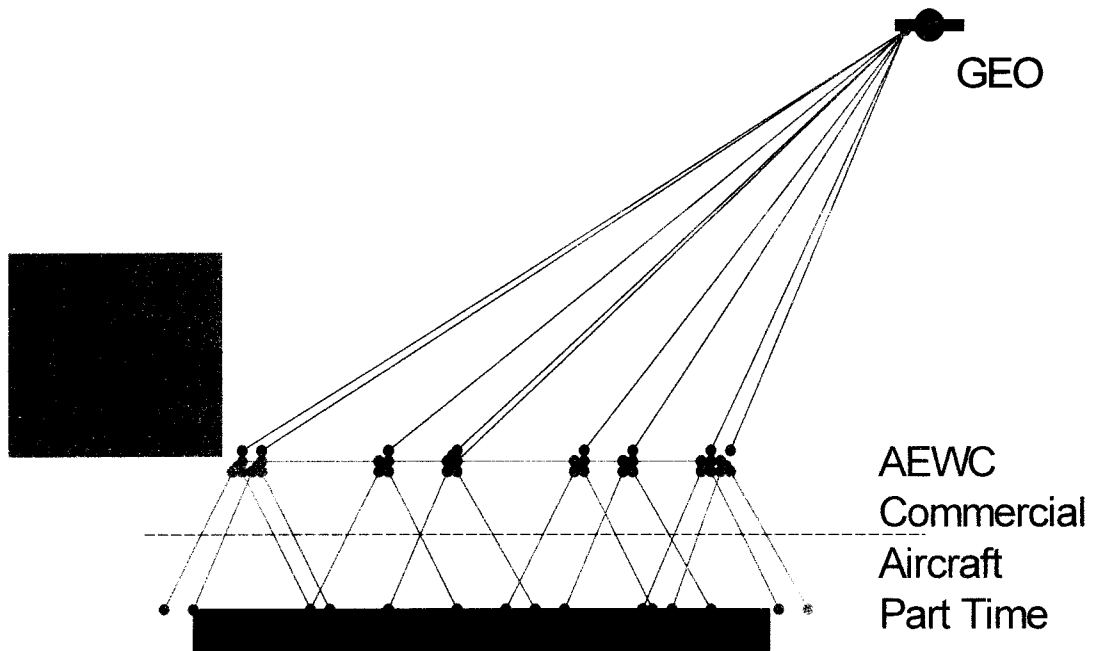
CHAP AirTech has proven technology to position "*Hummingbird*" between 60,000 feet and 80,000 feet (18 kilometres and 24 kilometres) for periods in excess of 90 days. The footprint per '*Hummingbird*' is a radius of 1,000 kilometres resulting in the need of NINE (9) airborne platforms at a time to give total coverage of Australia including its 200km coastal zone, TWO (2) spare "*Hummingbird*" Unmanned Aerial Vehicles (UAV) are kept on the ground should they be required to upgrade payloads and for scheduled service and maintenance.

'*Hummingbird*' UAV Network is a strategic capability that is recoverable, on station 24/7, provides real-time surveillance, reconnaissance (Digital and IR images) and communication coverage of the Nation with out any dropout.

# CHAP NETWORK COVERAGE OF AUSTRALIA



# CHAP VERTICAL NETWORK:



## **CHAP AirTech Applications and Payloads:**

- ✓ Government / Defence national security applications (real-time surveillance, reconnaissance, communications).
- ✓ Telecommunications.
- ✓ Digital TV coverage and transmission.
- ✓ Remote area communication.
- ✓ Transmission management.
- ✓ eCommerce dedicated business transmission.
- ✓ Coastal surveillance (customs).
- ✓ Environmental survey and patrol.
- ✓ Mapping and aerial photography.
- ✓ Mineral exploration and geographic studies.
- ✓ Marine communication extension, safety and navigation enhancement.
- ✓ Weather reports (both actual and forecast).
- ✓ Scientific research in the upper atmosphere.
- ✓ Emergency and rescue service (fire, police, ambulance, State Emergency Services).
- ✓ Disaster assessment and relief co-ordination.
- ✓ Airborne assessment space research and astronomy.
- ✓ Technical development of communications systems.
- ✓ Land care, conservation programs.
- ✓ Digital mobile phone services.
- ✓ Digital Internet services.
- ✓ Vehicle tracking systems.

CHAP AirTech's intention is not to sell '*Hummingbird*' Platforms but rather to leasing space on the Platform's to reduce Customer costs. Export Approval-In-Principal has been granted by Strategic Trade Policy & Operations International Materials Branch Department of Defence pertaining to '*Hummingbird*' deployment offshore.

CHAP AirTech's '*Hummingbird*' UAV Project is a Project of technical significant that will provide a strategic capability to Australia.

To secure CHAP AirTech's IP, Management has prepared and implemented Policies pertaining to:

- ☀ CHAP AirTech 'SECMAN 2' Security Manual; and
- ☀ CHAP AirTech's 'Intellectual Property Management Policy' to ensure from day one that ALL involved in the development of the "*Hummingbird*" Project are aware of the status of IP ownership and Policy relating to Contract R&D / Development, working with Academic Institutions and acceptance of Government Grant Programs, working with the Australian Defence Force, working with Equinox Equities (Pooled Development Fund) and CATs supported Companies. In preparing this Policy the Management undertook a study into Universities IP and Knowledge Transfer Policies in USA, Canada, UK and Australian proposed policy pertaining to '*National Principals of Intellectual Property Management for Publicly Funded Research*' to ensure implementation of strategies and systems to identify, protect, manage and exploit valuable IP.

CHAP AirTech's 'Intellectual Property Management Policy' encompasses more than just Patent IP protection it is a rather an in-depth Policy Document to ensure the commercial success of the Project and secure security of an Australian Strategic Capability.

Hence we believe that our actions taken to secure CHAP AirTech's '*Hummingbird*' Project and '*Hummingbird*' Project Participants 'IP' may be of some be that limited assistance to ACIP 'Public Inquiry Patents and Experimental Use.

As a Director of Equinox Equities (registered Pooled Development Fund) the same IP approach will be taken for the 56 companies that Equinox Equities is supporting.

Should you require any additional information and/or assistance please do not hesitate to contact me by mobile on 0407-439 766 or by E-mail: [info@financefacilities.com](mailto:info@financefacilities.com)

Yours faithfully,

  
Jeffrey W. Elliott  
Director of Strategic Development