

indra

Indra Australia

The technology partner for
core business operations



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INDRA IN AUSTRALIA

- Indra Australia is a subsidiary of Indra Sistemas, a leading global technology and consulting company. Indra's business model is based on a comprehensive range of in-house products.
- Indra has been operating in Australia since 2000 providing highly safety critical integrated systems solutions to both government and private organisations, including the Commonwealth of Australia, Airservices Australia, Airways New Zealand and Transport for NSW.
- Indra Australia is an Indra ATM Centre of Excellence – More than 40 ILS, 200 DVOR and 300 DME installed in Australia.
- Indra Australia is an Indra Centre of Excellence in Energy Trading and Risk Management.
- Indra Australia is currently expanding its operations by offering a range of specialised products and services in the areas of Defence, Transport & Traffic and Security.
- Indra is a reference technological partner that drives, through innovation and technology, energy efficiency and sustainability in the digital era. The UN has given an award to the "Net Zero Initiative", a project against Climate Change, developed by the Australian University of Monash with the collaboration of Minsait, an Indra Company.
<https://www.indracompany.com/es/noticia/universidad-monash-australia-galardonada-onu-proyecto-cambio-climatico-minsait-socio>

INDRA IN AUSTRALIA

Technology, Innovation and Talent

Revenues: A\$60M

100 Professionals

Sydney based



INDRA IN AUSTRALIA

- Quality Management System Certified to ISO9001:2008
- Environmental Management System Certified to ISO14001:2004
- Work Health and Safety Certified to AS 4801:2001
- Certified by the Federal Safety Commissioner
- Certified as Authorised Engineering Organisation – Transport for NSW



History

1992

- Indra's first project in Australia was to provide Military Air Traffic Control Systems used by the RAAF.

2007

- Indra acquires Interscan Navigation Systems (ex AWA) an Australia company that was involved in electronics, defence and communications.

2009

- Interscan rebrands to Indra Australia. Working primarily in the ATM (Air Traffic Management) market.

2011

- Indra Australia becomes a 100% owned international subsidiary working in all the traditional markets in this region.

2014

- Team of 90 employees. Indra Australia expanding our presence actively seeking to provide our complete portfolio of solutions in the Australian market

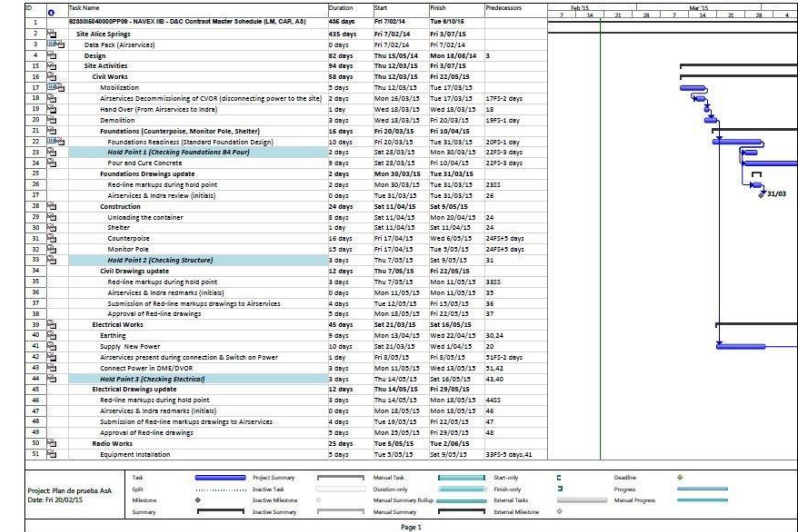
CAPABILITIES

- R&D Engineering Product Development
- Radio Navigation Product Design & Manufacture
- Design Centre
 - In-house capabilities in:
 - RF technologies
 - Electronic design
 - Software design
 - Mechanical design
- Manufacturing Centre
 - In-house capabilities in:
 - Procurement
 - Assembly, system testing and dispatch
 - Warehouse capability
 - After sales support



CAPABILITIES

- System Integration
- Project Management
 - OH&S management
 - Environmental management
 - Transition planning
 - Advanced documentation requirements
- Complete Installations & Commissioning Services
 - Navigational systems
 - Communication systems
 - Surveillance systems
 - Tailor made software solutions



Indra Australia – Customers

Indra ATM



Indra Defence



Indra Energy



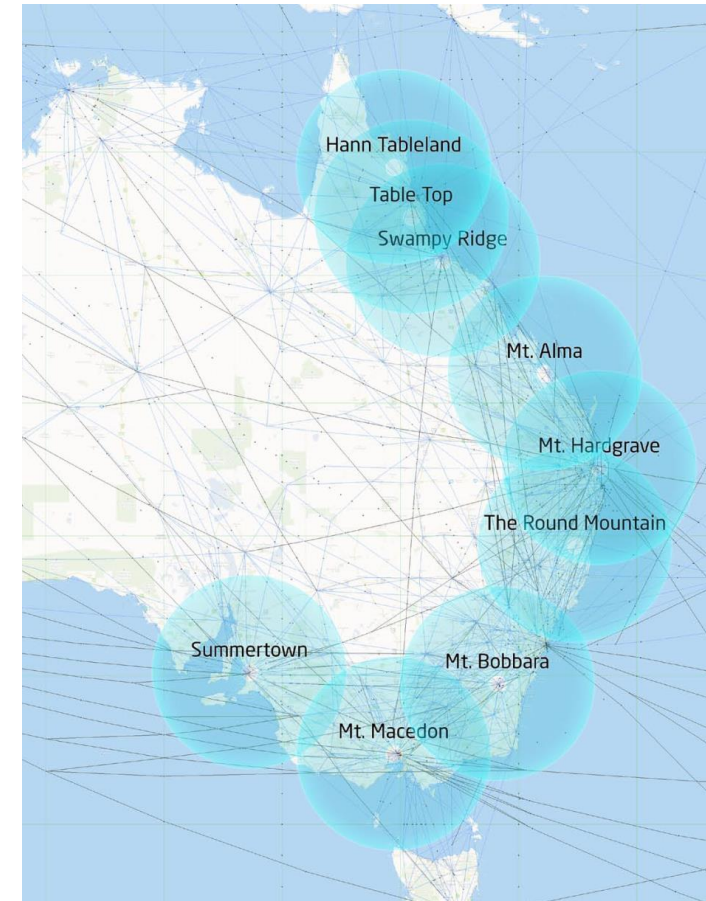
Indra Traffic & Transport



ATM Activities with Airservices Australia

Modernisation of the Air Traffic Control Radars

- En route radars replaced along Australia's east coast
- 11 MSSR mode S radar systems
- Transportable radar systems for interim surveillance services
- Logistical support services to maintain the radars to year 2030



ATM Activities with Airservices Australia

DVOR NAVEXIIB DESIGN, INSTALLATION AND COMMISSIONING OF NAVIGATIONAL AID EQUIPMENT

- Indra deployed a network of Doppler VHF Omni Range (DVOR) radio systems throughout the country
- Indra supplied around thirty Distance Measuring Equipment units (DME)
- The use of both systems together guarantees maximum precision in aircraft runway approaches and landing



ATM Activities with Airways New Zealand & PAPUA NEW GUINEA

Customer: Airways New Zealand

Air Navigation Equipment

- Indra Australia upgraded some of New Zealand's ground-based air navigation equipment with the Doppler VHF Omni-directional Ranging (DVOR) and Distance Measuring Equipment (DME) navigation network. This will ensure Airways can support its customer airline and aircraft operators in New Zealand with an up-to-date ground-based navigation system for at least another 15 years

Customer: Papua New Guinea Airservices

PNG High Frequency Communication System

- Design, supply, installation and putting into operation of a HF Communication System for PNG Airservices Ltd at Nadzab Airport, Lae

PNG Mode S Secondary Surveillance Radar for Port Moresby

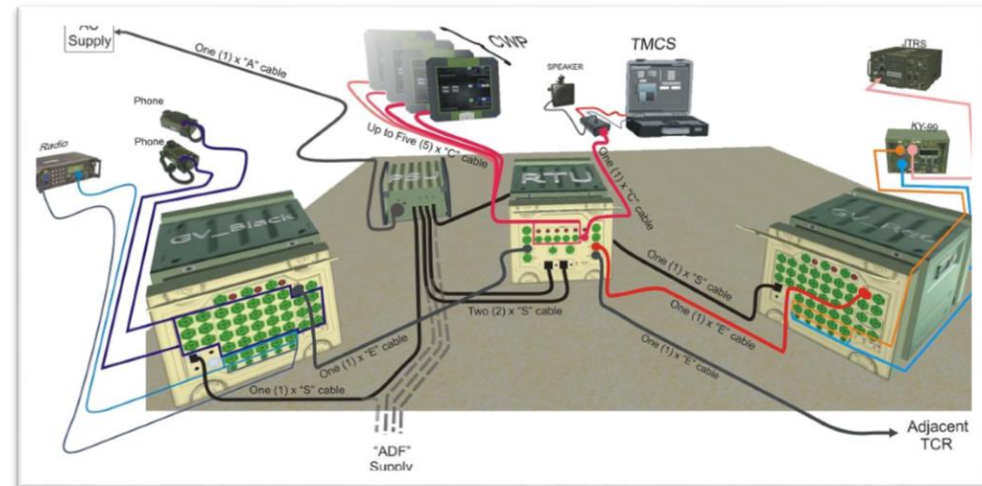
- Design, supply, installation and putting into operation of a MSSR System for PNG Airservices Ltd at Port Moresby, PNG

Defence Activities with Australian Department of Defence

Customer: RAAF – GTESPO

Tactical Communication Router

- Provision of 6 Tactical Communications Routers (TCR)
 - To consolidate multiple communications networks to better manage complex communications in the deployed environment
 - To provide Mobile Air Operations Teams (MAOTs) and Airspace Coordination Elements (ACEs)



Defence Activities with Australian Department of Defence

Customer: RAAF

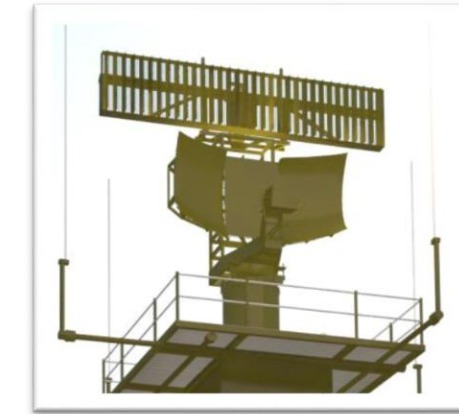
AIR5431 Phase 1 Deployable Defence Air Traffic Management and Control System

- Provision of 3 ISO container based air traffic management systems for defence including operator positions, sensors, data processing and communications



DE1116 Defence Aviation Terrestrial Navigation Aid

- Replacement of extant ILS and NDB systems at a number of RAAF sites in Australia



L154-2 Weapons Technical Intelligence (WTI) Level 2

- Provision of two deployable Level 2 Counter Improvised Explosive Device (CIED) Exploitation systems to the ADF allowing them to rapidly respond to IED blast events and provide critical analysis of evidence



Energy Activities with Caltex & Origin Energy

Customer: Caltex Australia

Allegro Premium Support

- Trading of crude oil and refined products
- Market exposure management and financial derivatives trading
- Improvement of the supply chain
- Optimisation of cargo planning and scheduling
- Integration of the Allegro solution in the corporate platform
- Supply Planning
- Supply Operations



Customer: Origin Energy

Allegro ETRM Future State (Electricity Phase)

- Implementation of Allegro ETRM for the management of Origin's NEM exposure

Allegro Premium Support

- Technical support, bug fixing, deployment management and related services to Origin's Allegro implementation

Carbon, Coal and Liquid Fuels CTRM Deep Dive

- Detailed assessment of Origin's requirements to extend their Allegro implementation to further commodity portfolios, including implementation approach, timeline and budget



Indra Activities with Sydney Trains

Sydney Trains CCTV Upgrade Project – 2016 \$70M

- Replace current Video Management System with a new VMS
- Solution involves implementing the Genetec “Security Centre” suite and its integration
- Activities include current system mobilisation, upgraded system design, current system migration as well as maintenance for current and upgraded systems, as the transition of the new system occurs
- Indra has been awarded by GENETEC in 2017 with the “Project of the year in ANZ”

indra
At the core