



# INDRATEL Australia

Total Process Automation Solutions

- Australia
- Papua New Guinea
- New Caledonia
- Solomon Islands

[www.indratel.com.au](http://www.indratel.com.au)

## INDRATEL – Systems & Solutions

We engineer innovative solutions and provide after-market service across a wide range of high-quality process control, measurement, and automation products. Whether it be analytical, metering, skid, telemetry or a control system, INDRATEL can provide and support you through the various project phases; Pre FEED, FEED, detail design, project management and supply.



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## Sales Office and Service Locations

### INDRATEL Australia Pty Ltd (Brisbane Office)

24 Container Street Tingalpa, QLD 4173

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Fax: +61 7 3890 7612



### INDRATEL Australia Pty Ltd (NSW Office)

Unit 6, Friesian Close, Sandgate, NSW 2304

Ph : +61 2 4967 5955

Fax: +61 2 4967 5977



### INDRATEL Australia Pty Ltd (PNG Office)

Building 01

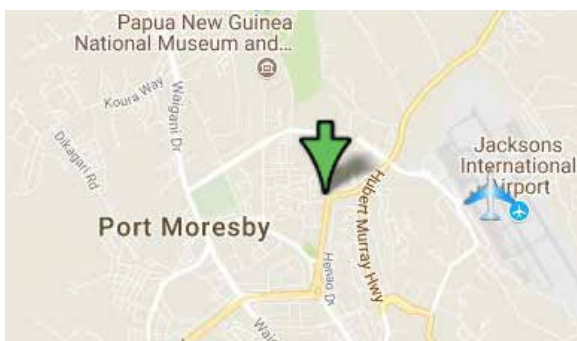
Unit 01

Baruni Industrial Centre,

Port Moresby

Ph : +675 320 2842

Mobile: +675 7025 6636



## About Us – Systems & Solutions

With Queensland Operations in Brisbane, Gladstone, New South Wales operations in Newcastle, Operations in Papua New Guinea and geographic representation extending to, New Caledonia, Fiji and the Solomon Islands, INDRATEL offer a vast portfolio of Solutions focused capabilities. Working across a number of market sectors, INDRATEL have significant experience and capability in oil and gas, metals and mining and food production sectors however, the brands we represent together with our significant experience and capabilities enables INDRATEL to provide support beyond these sectors. We have the technical and practical experience for early engagement through to support of established fields and plant, offering products and services for Upstream, Mid-Stream and Downstream, encompassing such aspects as but not limited to Wellhead Automation and Control, Field Development and Wireless Communications. Wellhead, Custody Transfer, Fiscal Metering and Pressure Reduction Skids are also project managed from design, manufacture, installation and commissioning to post supply service. Paying full attention to the Operations strategy of its customers INDRATEL works closely to ensure that training is provided, developing bespoke packages meeting each customer's specific needs.

INDRATEL can deliver:

- RTU Solutions
- SKID Solutions
- Telemetry Solutions
- Analytical Solutions
- Valve Automation Solutions
- Engineering / Consultancy Services
- Site Commissioning Capabilities
- Innovative Control System Solutions
- E/I Skid Installation Services
- Panel Fabrication offerings
- SCADA Packages
- Total Farm Solutions

## INDRATEL Skids

INDRATEL have been involved in the design, fabrication, supply, installation and commissioning of complete pressure reduction, nomination flow control, fiscal metering skids chemical and oxygen injection skids since 1987. Our scope most often includes, but is not limited to, the supply of the Flow Computers and Control Panels. We regularly work closely with consultants, EPCs and End Users to provide design services, P&I drawings, HAZOP participation, detailed skid design, E/I design, control systems design and full package implementation. A complete reference list can be provided on request.



Flow Control Skid 2014. Complete Design, Supply, Fabrication, E/I, EEHA and Project Management



Extensive Skid History

## VersaCom Scalable Wellhead Skid



The VersaCom range of wellhead skid solutions have been designed to provide flexible, best cost and “open systems” options for various wellhead packages, with an emphasis on maintaining high quality, fit for purpose solutions with full compliance.

The VersaCom range is designed and manufactured here in Brisbane by INDRATEL using accredited 3rd party approved fabrication sub-manufacturers for the pipe spools.

### VersaCom base package includes:

- Complete design and manufacture of the skid package using any of 3 standard design options c/w instrumentation and in line control equipment
- Completion of the HAZOP as required by the end user.
- Hazardous Area Classification.
- Skid mounted Control and Monitoring equipment with solar power (where required).
- Communications equipment using either, wireless Ethernet, UHF, NextG or Satellite infrastructure, fully compliant to the local regulatory authorities.
- Software design and implementation of control and monitoring strategies.
- Software design and implementation of SCADA strategies.
- Full documentation package.
- Factory Acceptance and Site Acceptance Testing
- Commissioning, site support and training services
- Complete purchase or leasing options

### Typical VersaCom Skid



## INDRATEL RTU / Control Solutions

INDRATEL has been a key component of the wellsite/field metering, control, compression and telemetry development of Queensland. We regularly work closely with consultants, EPCs and end users to provide design services, P&I drawings, HAZOP participation, E/I design, control systems/SCADA design, and full package implementation. We provide full software development, configuration and testing capabilities. To compliment this, we have professional panel building facilities to fabricate solutions such as VSD Panels, Solar Frames, Marshalling Panels and Electrical PLC based control panels.



Solar Powered/Battery Backed up RTU frames

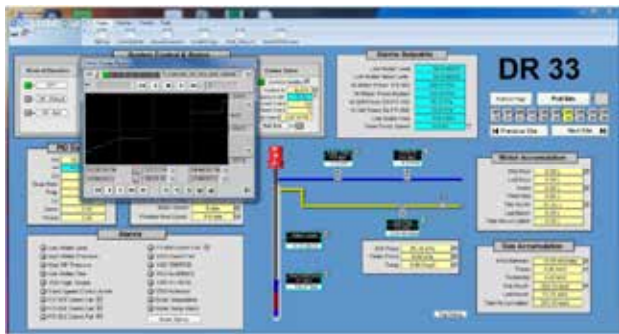


Many different applications and volumes

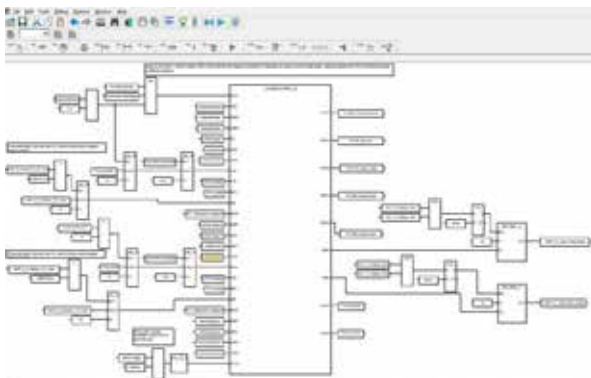
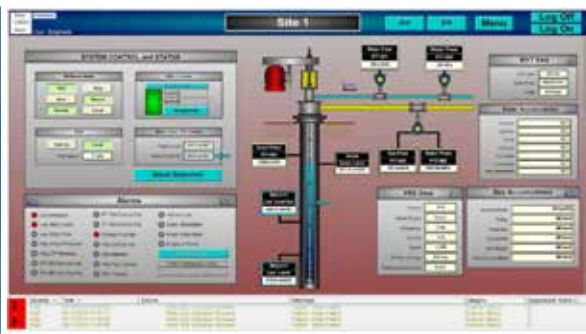


## Systems Engineering

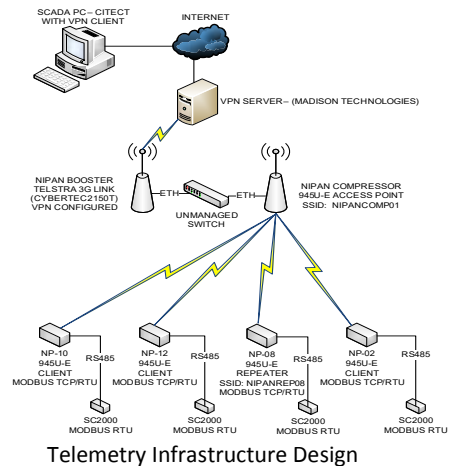
With a team of dedicated software, telemetry and control system engineers, INDRATEL has the full capability to design, configure, test and field commission control system solutions and communication infrastructure. From desktop and field radio telemetry stations, to SCADA and RTU/PLC control systems, we have the skills to meet your needs.



SCADA Displays



Controller Configuration



## Elpro/Eaton – Telemetry and more

INDRATEL as a representative of Elpro have been able to provide telemetry solutions for many customers across a wide variety of industries. Some of these industries include CSG market, Water, Irrigation, Farming, Rail and Manufacturing in a wide variety of applications. These solutions can come in many forms such as Solar Frames, Electrical Panels or something more mobile....



Relocatable Environmental Monitoring Solution



Dragging Equipment Detector Solution - Rail

## Pneumatics – Valve Automation & Instrument Panels

INDRATEL success was built on instrumentation fundamentals and has been a strong solution provider for all aspects of pneumatic control, instrument sensing panels and sample conditioning. Scattered throughout the gas/mining industry you will find our automated valve control, instrument and gas panels proudly delivered by INDRATEL. This could be part of an integrated solution or a standalone application.



Instrument Gas, Overpressure Panels, Analyser Shelters and Sample Handling Systems

## Analyser Solutions

INDRATEL can provide you with analytical solutions to cater your application, whether it is a Gas Chromatograph Shelter or a Water Treatment/Chemical Injection skid.



Moisture Analyser and GC in Shelter

## Instrument Training Simulators

Training of future E/I Technicians in the field is critical to the long term success of the industry. Pacific recognises this and has worked with the training organisations for many years to deliver quality training on quality equipment. As well as providing equipment for training on, we have incorporated this equipment into “live” simulators to help facilitate control system and real world training.



## Solar Power Solutions

A key focus is many of our solutions are the requirement for equipment to be a “standalone” solution. This often is integrated into the design but in many cases the need to be “standalone” is needed to be retrofitted onsite to an existing installed base. Pacific will design the system, size and uptime in a portable solution no matter the size. These can range from a single panel simple system to a skid mount solar array bases solution.



# INDRATEL **Farmtough™**

## **Farmtough™**

***The complete expandable Farm monitoring and Control System***

***INDRATEL specialises in the design and implementation of remote monitoring and control systems to safeguard all your farm assets.***



### ***Remote Pump Station Control***

***Includes on-off, flow-no flow, tank or dam level control, open-close valves***



### ***Irrigation Made Easy***

***Automated Irrigation will help save money, water and your precious time***



### ***Farmhouse Control Centre***

***Access can be automated with video feed back to base or remote monitoring***



### ***Access Control***

***Access can be automated with video feed back to base or remote monitoring***



### ***Remote Monitoring***

***on smart devices away from base.***

# Farmtough™

*The possibilities are endless....*

## Farmtough™:- Remote observation and Control equipment

### Product outline:

- Portable Remote Observation and Control System assets
- Built Farm Tough for transport and environment
- 12VDC System, 1100X300X160mm when transported
- HD streamed video at 1 frame per second
- Time lapse photography
- IR Model available for night vision
- Up to four discrete input signal and two 10A relay outputs
- Dust and water proof electrical fittings



**Expansion Capability:** The Standard unit can be expanded to provide the following features:

- UHF (915-928MHz) radio
- Second camera
- Solar panel with built in regulator
- Battery pack sized for Farmtough™ application
- Programmable machine/process controller
- All upgrade modules built to the same rugged standard

### Applications:

- 1. Problem:** You want to monitor the level of a dam so you know when to start up the pump. You can use your mobile phone on your property, and keep cranking batteries on charge for breakdowns.

**Solution:** No problem! The Farmtough™ remote observer is all you need. Hang it off a couple of star posts, clip on the jumper leads to the battery, point the camera to what you want to look at. When you get home, either look at the images on your PC or mobile phone. No more walking in the rain for no reason.
- 2. Problem:** You want to monitor a dam you're irrigating from. It takes days to run down, and you don't have mobile coverage. You don't want to have to put a fresh cranking battery on every morning.

**Solution:** No problem! Choose the Farmtough™ upgrade option of UHF, solar panel and battery pack. Throw them in the back of the ute and drive to your water asset. Hang the Farmtough™ radio/camera box and the solar panel off a couple of star posts, point the camera at what you want to look at, hook up the battery and walk away. Check out the dam at your leisure from the homestead.
- 3. Problem:** You want to look at the dials on your 600HP pump at the same time.

**Solution:** No problem! Take up the Farmtough™ option of a second camera, plug it in with the 20m camera cable, and relax back at the homestead.
- 4. Problem:** I want to start and stop the pump remotely.

**Solution:** Of course there is no Problem! Just plug in the Farmtough™ controller.

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## Valve and Actuation Products

INDRATEL has exclusive agreements with a number of Valve and Actuation Companies.

### Curtiss Wright Valve Division

This agreement is for PNG, New Caledonia and Pacific Regions for products such as Farris, Pheonix and Solent & Pratt.

### Paladon Systems

Paladon manufactures a wide range of Actuation Products including, Pneumatic, Hydraulic and Gas Over Oil Systems; predominantly used in the Oil and Gas Industry.

### Ball Valve Range

We offer a range of high quality, API Certified ball valves supplied as manually operated or integrated with Actuation and Control packages.

Notes:

