Capability Statement

Novecom Pty Limited

About Novecom

Environmental Monitoring, Industrial IoT and Smart Sensor Networks

Novecom develops customised sensor-based networks for gaining real-time insights into the operational environment.

Our innovative software platforms and monitoring hardware help businesses across the mining, manufacturing, agribusiness, transport and construction sectors manage their environmental data acquisition, analysis and reporting.

If you value data, Novecom can add value to your business.

Operational intelligence for informed decisions

We are proudly Emergent

Novecom is part of Emergent Group, a dynamic partnership of technical sciences companies working together to deliver practical operational solutions for Australian businesses, industries, and government.

Advitech
Engineering and environmental consulting

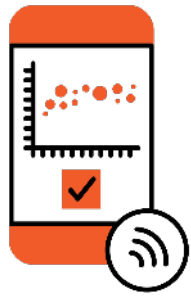**Novecom**
Sensor networks, monitoring and industrial IoT

Acubis
Remote communications networks

Together, our Emergent Group companies love to explore challenges and uncover possibilities. We are engineers, scientists, analysts, technicians and systems specialists. We are focused on the challenges of today... and tomorrow. We're focused on you. We are Emergent Group.

Novecom's Solutions

Environmental Monitoring

SentineX®

Remote monitoring networks
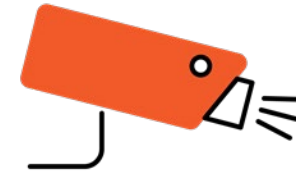
Noise, Air Quality, Dust, Weather

Industrial IoT

SynaptiX®

Low cost sensing devices

Blast vibration, Water usage

Traffic Monitoring

Intercepta®

Smart radar camera trailers

Customised Solutions

Data analytics

AI, machine learning, neural networks

Custom sensor-based solutions

Systems integration

SentineX®

Industry leading platform for remote monitoring

The SentineX® Platform manages the acquisition, aggregation, reporting and communication of continuous monitoring data from a variety of monitoring systems and transducers. It operates autonomously in remote environments to deliver the information you need, when you need it.

Example applications:

- Environmental noise
- Rail noise
- Environmental dust
- Dust control systems
- Temperature inversion

- Wind monitoring stations
- Rainfall stations
- Water quality monitoring
- Water level, flow and volume monitoring

SynaptiX®

Customised IoT solution for industry, mining and agriculture

SynaptiX IoT is a full-scale data acquisition and telemetry platform within a powerful, compact, low-power IoT module. With the option to integrate many different sensing devices with a SynaptiX Collector, our end-to-end platform can be customised to solve your remote and distributed sensor-based monitoring and control challenges.

Example applications:

- Blast Vibration Monitoring

- Local weather monitoring

- Dam and tank levels

- Soil moisture

- Floodplain harvesting (LID)

- Asset tracking – track location, monitor performance, remote control
  - Lighting plant
  - Diesel pumps
  - Solar-battery power skids
  - Radio communications trailers

Intercepta®

Mobile smart speed radar camera

Intercepta® is a mobile speed camera and electronic message board that measures and manages driver behaviour. Trailer mounted for mobility, Intercepta operates day and night (24 hrs). It is powered by a smart video processor that connects to the cloud via the 3G/4G network. It collects traffic and individual vehicle data and transmits notifications to mobile devices and by email.

Example applications:

- Speed compliance
- Intersection monitoring
- Traffic assessments

- Road works safety
- Speed surveys
- Risk mitigation

Customised Solutions

Novecom offers custom solutions for any sensor or monitoring related challenge.

Our experienced system integrators can work with you to understand your needs and deliver a customised monitoring or sensor based solution for almost any challenge.

We can also help you get more from your volumes of monitoring data, drawing on data analytics and machine learning to bring you valuable insights and actionable information to help you plan for greater efficiencies and productivity.

Services

- System integration
- Data analytics
- Machine learning
- Neural networks
- Forecasting and analysis tools

Meet the Team

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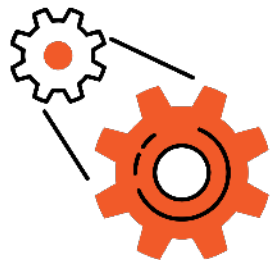02 4924 5460

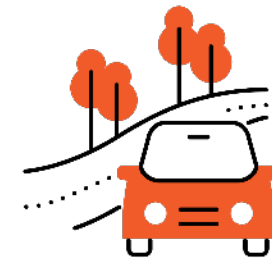tim.thorpe@novecom.com.au

Sectors We Support

Agriculture

Defence

Infrastructure

Manufacturing

Mining

Transport

Trusted By

BHP   CENTENNIAL   CSIRO   GLENCORE

Goodman   ILUKA   NEWCREST MINING LIMITED   Peabody

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