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# ozWatch®

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ABN: 58 098 949 798

## Condition Monitoring Solutions

**Improving Reliability through Innovation**

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Tui Industries is an Australian company established in 2001 to provide industrial rotating machinery condition monitoring services. The head office is located in Brisbane and a support centre to aid with analysis, installations, and manufacturing is located in the Philippines. Tui Industries operates in New Zealand, Philippines, Indonesia, India, and all states of Australia. The company is currently undergoing expansion into Malaysia, Singapore, China, and Thailand.

The company's core product called ozWatch® consisting of hardware, software and 24/7 engineering support, was developed to progress beyond the commonly used manual vibration sampling technique that has inherent drawbacks with inaccuracy, reliability and inconsistency. ozWatch® is a centralised dynamic information system, accessible **anywhere, anytime** that provides a vastly superior continuous assessment of plant condition. ozWatch® is the most cost effective solution available for **Condition Based Management** of rotating machinery.

### Benefits of ozWatch®:

- **Loss prevention through early detection of machinery faults**
  - **Downtime reduction**
  - **Damage reduction**
  - **Enhancement of machine protection systems**
- **Whole plant monitoring**
  - **Enables Condition Based Asset Management**
  - **Inexpensive enabling broad deployment**
  - **Centralised plant monitoring**
  - **Integration of existing systems**
  - **Integration into plant control systems**
  - **Replacement of traditional manual sampling methods**

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**Tui Industries Pty Ltd**  
PO Box 134 ,  
Sumner Park, QLD 4074  
Australia

Phone: +617 3715 7800  
Fax: +617 3715 7600

[www.tuiindustries.com.au](http://www.tuiindustries.com.au)  
[mail@tuiindustries.com.au](mailto:mail@tuiindustries.com.au)

### Comparison between traditional manual methods and ozWatch® plant monitoring:



#### Traditional Manual Sampling:

- Typically one sample only per month
- Faults occurring between samples not seen
- Inconsistent data due to variable techniques
- Labour intensive and time consuming
- Capability to interpret data may be insufficient
- Safety risks with personnel on-site close to rotating shafts

**Costly and often ineffective**



#### ozWatch® monitoring:

- Continuous sampling 24/7
- All faults identified when automatic alarm is triggered
- Consistent data due to permanently installed instruments
- No labour or regular mobilisation costs
- Data interpreted by specialist engineers
- No safety risks

**Inexpensive and superior**

### Additional benefits of ozWatch®:

- A turn-key solution, installation, commissioning, and analysis
- Fully managed service
- System never becomes obsolete
- A permanent long term solution for condition monitoring
- Minimal capital outlay
- Improved accuracy of the plant reliability programme
- Captures all events, not just a snap shot at periodic intervals
- Reduced reliability programme operating costs
- Reduce maintenance spend
- Minimal specialised knowledge necessary as Tui's engineering support is available 24/7
- No dangerous voltages present in the Field

**ozWatch® is a proven product that has significantly lower ongoing cost than any other system**

## ozWatch® Service Model:

The systems consist of sensors, field junction boxes, and a central data acquisition unit (DAU). The ozWatch® package includes\*:

- **ozTrack web based remote monitoring management software**
- **ozLive web based real-time diagnostics software**
- **Unlimited user accounts for both ozTrack and ozLive**
- **Software upgrades**
- **Hardware upgrades**
- **Monthly Reporting including online report database**
- **Response to ad-hoc alarms**
- **Engineering Support 24/7**
- **Data Acquisition Unit (Replacement on Failure)**
- **Accelerometers (Replacement on Failure)**

\*Conditions Apply

## ozWatch® Service Costs:

The service cost is comparable with that of traditional manual periodic condition monitoring programs. A fixed monthly fee based on the number of points being monitored is the only operating cost for routine services.

## ozWatch® Installation Costs:

There is no cost for the Data Acquisition System, accelerometers and junction boxes as Tui Industries retains ownership and responsibility for their ongoing condition.

Client pays a nominal fee for Tui Industries installation supervision and commissioning of the system, cabling, installation materials and installation cost. A typical installation takes approximately one week per 100 instruments.

**Please contact us for technical information and to arrange a proposal for your plant**



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[mail@tuiindustries.com.au](mailto:mail@tuiindustries.com.au)