

THRIVABILITY Training & Coaching

THRIVABILITY e-News

Newsletter #18

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Update on Newsletter

Hi to all friends and clients this is our 18th newsletter and our 1st for 2009.



Newsletter Picture

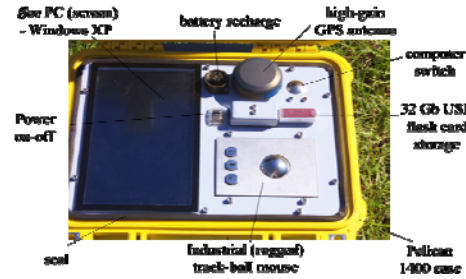


Photo above: Data capture module 24-bit A/D delta-sigma sampling up to 50 KHz

Photo to left: Tri-axial array of accelerometers on stainless steel cube mount, also showing nylon mount - matches soil acoustic impedance when embedded.

Public Training Events Sept 2009 to Oct 2009 (see www.tnlc.com.au/events)

Diploma of Management (Perth)

Mon 7th to Fri 11th September 2009

Five units from the Diploma: Manage people performance, Develop a workplace learning environment, Manage operational plan, Facilitate continuous improvement, Ensure team effectiveness.

Diploma of Management (Perth)

Tue 6th to Thurs 8th October 2009

Three units from the Diploma: Manage customer service, ensure safe workplace, personal work priorities.

Certificate IV in Metalliferous Mining Operations (Perth)

Mon 26th to Fri 30th October 2009

Five units from the qualification: Statutory compliance, Apply and monitor systems for system mining, Report pit development, Managing blasting activities, Apply and monitor emergency preparedness.

RTO Developments

With regard to blasting Thrivability Training and Coaching will be offering the following units from the RI109 Resources and Infrastructure Industries training package:

RIIBLA201A Support shotfiring operations

RIIBLA202A Support underground shotfiring operations

RIIBLA205A Store, handle and transport explosives

RIIBLA301A Conduct surface shotfiring operations

RIIBLA303A Conduct u/g development shotfiring

RIIBLA304A Conduct u/g production shotfiring

RIIBLA305A Conduct secondary blasting

RIIBLA307A Conduct blast survey

RIIBLA401A Manage blasting operations

RIIBLA402A Monitor and control the effects of blasting on the environment

RIIBLA601A Design surface blasts

RIIBLA602A Establish and maintain a blasting system

Cover Story *New Business Arm 'Blasting Geomechanics'*



The first full year of the Blasting Geomechanics line of business (see logo) under the technical leadership of Dr Dane Blair has been very successful. The table below summaries the work undertaken. As a part of this program, two papers are being delivered at the Fragblast 9 conference in Spain. One paper is on flyrock risk (TL and DB) and the other on the limitation of electronic detonators (DB).

Application areas	Scope of Work
AIRBLAST	Air piston modelling. Pilot shot investigations. Statistical analysis of past data.
WALL DAMAGE	Demonstration of new TNLC vibration monitoring systems for wall control. Investigation related to post blast seismic emission from walls.
SURFACE INFRASTRUCTURE	Determination of resonant response of power pole due to large blasts in close proximity.
UNDERGROUND INFRASTRUCTURE	Measurement and modelling of blasts close to u/g infrastructure with aim of minimising damage.
SAND MINING VIBRATIONS	Measurement and time-frequency analysis of very low level vibrations using new TNLC systems.
FLYROCK	Development of Mechanistic Monte Carlo Flyrock Model. Flyrock cut-off modelling.
ADVANCED TRAINING	Development and delivery of Advanced Vibration course.
AUDIT AND REVIEW	Review of Explosive Management Plan prior to submission to Government Officers. Audit of airblast and vibration monitoring systems. Airblast management audit.
MINE SEISMICS	Review of underground Seismic Hazard Management Plan.