



# Set your Blast Monitoring to the new industry standard

**100% CAPTURE RATE: 100% CERTAINTY\***

In an environment of increased regulations, public scrutiny and community expectations it is crucial to set in place a traceable and defensible blasting position.



WORLD RECOGNISED  
**ACCREDITATION**  
Accredited for compliance  
with ISO/IEC 17025

*“ I trust them.”*

Vlado Raich - Environmental Scientist  
Raich and Associates, WA

Whether the project is above or below ground, on a construction, demolition, mining or quarry site, in a high risk environment companies need to ensure they continually maintain a traceable and defensible blasting position.

### THE MULTI-LEVEL ASSURANCE

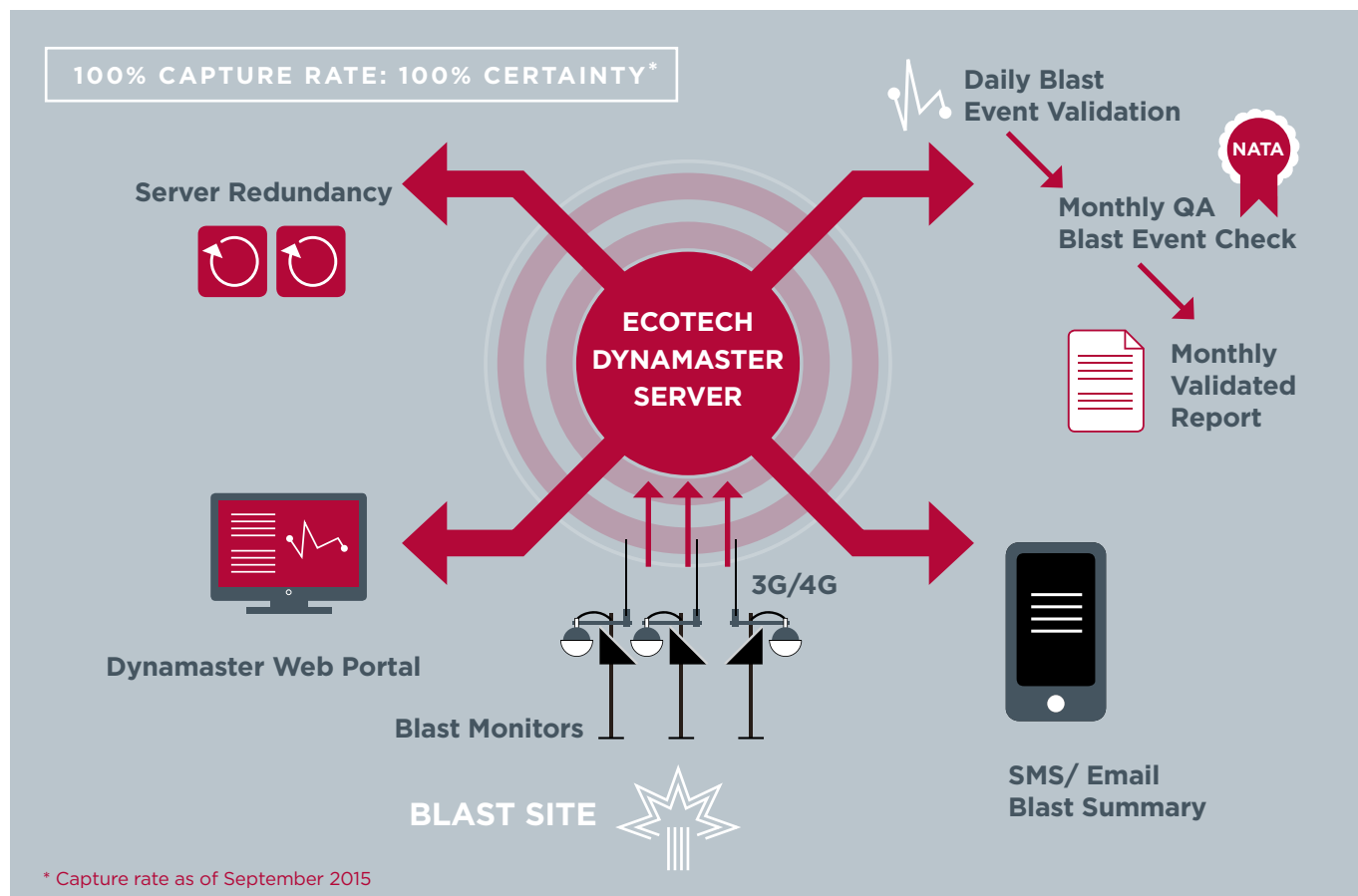
With 100% raw data capture rate, Ecotech sets the benchmark for data capture.

The Ecotech Dynamaster Blast Monitoring System is a fully integrated package for long-term rental or purchase with our trained staff managing the provision of blast data remotely.

### DO-IT-YOURSELF 5 POINT AUDIT CHECK-LIST:

✓	Our service provider has a proven track record capturing all blasts, every time
✓	Our service provider has a fully 3rd party audited process for the capture and reporting of blasts
✓	Our service provider can provide fully traceable and NATA accredited onsite calibrations quarterly
✓	Our service provider has fully redundant off-site disaster recovery capability
✓	Our service provider conducts daily pseudo blast downloads to check system integrity

**A score of 5/5 will be required for 100% capture rate, 100% certainty.**



## WHERE IT ALL STARTS

### The Ecotech Blast Monitors:

- Operate autonomously 24x7, using solar power
- Retrieve events up to 25 weeks after blast
- Pinged continuously to ascertain their operational status – if they are offline, we know within minutes
- Triggered daily to test their recording status and download capability
- Inform customers of faults within 24 hours
- Raise rapid technician response times should the need arise

## ACCESS TO DATA AT ALL TIMES

### The Ecotech Blast Network:

- Private 3G/4G network for remote downloading and control of monitors
- Two independent central servers, located in Sydney and Melbourne (Australia)
- Two independent fibre connections, two independent power feeds backed up with UPS
- Two independent SQL servers for data backup
- SMS messaging system to alert clients if monitors go offline
- Access to real time data on website

For technical specification, refer data sheet on [ecotech.com/services/blast-monitoring](http://ecotech.com/services/blast-monitoring)

## IT'S OUR PEOPLE WHO MAKE THE DIFFERENCE

The Dynamaster Blast Monitoring System is managed by a team of experts within the Ecotech Environmental Reporting Services Department (ERS).



This dedicated team performs all data management including data download, validation, reporting and presentation of live data on dedicated websites; as well as the coordination of calibration and on-site repair and maintenance services.

ERS staff members include a team of data analysts, a blast monitoring coordinator, a technical coordinator and a quality coordinator. Field operational tasks are executed by a team of trained and experienced field service staff.

- Our reporting services crew are degree level scientists and engineers based in Melbourne – all fully trained in blast monitoring quality control
- Our blast services have a dedicated coordinator whose sole task is to ensure dependable and reliable results are delivered day in day out

For ERS information go to:  
[ecotech.com/services/data-reporting](http://ecotech.com/services/data-reporting)

*“We find that customers are increasingly looking to reassure their communities that the environmental data they are disseminating has been subjected to an independent assessment process, which is precisely what a NATA accredited organisation like Ecotech can provide.”*

**Nicholas Dal Sasso** *Managing Director, Ecotech Pty. Ltd.*

## NATA QUALITY ASSURANCE: YOUR PEACE OF MIND

We are internationally accredited by NATA for blast monitoring. This is gained by maintaining thorough and accurate testing processes to ensure that the utmost quality is being achieved consistently.

- We are NATA & ISO17025 accredited for blast monitoring
- We are audited yearly by independent assessors to check the validity and integrity of systems, processes and results
- We maintain a primary reference microphone that is cross checked against two standards from Australia and overseas
- We perform 2 yearly proficiency studies to ensure vibration and over-pressure readings are within stated uncertainty
- We calibrate geophone responses against traceable voltage and time standards
- We check geophone responses against reference geophones certified by NMI; the highest authority in Australia for these measurements
- We conduct field response checks on all our blast monitor geophones and microphones quarterly
- We review every blast waveform for quality and integrity to ensure correct event result
- We have an internal peer review system for sign off on all reports prior to release

For further information on Ecotech's NATA accreditation, refer to data sheet:  
[ecotech.com/quality-management-systems](https://ecotech.com/quality-management-systems)



The National Association of Testing Authorities, Australia (NATA) is the national organisation for conformity assessment of technical operations such as laboratories, inspection bodies, proficiency testing scheme providers and reference material producers.

**100%**  
**ecotech**

**OUR HARDWARE**  
**OUR FIRMWARE**  
**OUR SOFTWARE**  
**OUR PEOPLE**

**WE'RE CONTACTABLE ON THE PHONE  
OR VIA EMAIL 7 DAYS A WEEK  
365 DAYS A YEAR.**

**100% CAPTURE RATE: 100% CERTAINTY\***

ECOTECH PTY LTD  
T. (Australia) 1300 364 946 T. (International) +61 3 9730 7800 E. [info@ecotech.com](mailto:info@ecotech.com)  
Melbourne | Sydney | Brisbane | Perth Karratha | Port Hedland | Auckland

**ecotech.com**

  
environmental monitoring solutions