

Consent	<p>Do you agree to be contacted by IQA members regarding your submission? Yes</p> <p>Do you agree to present your submission at your local branch meeting? Yes</p>
<p>Award Criteria</p> <p>1.</p>	<p>The applicants will be judged against the following demonstrable criteria:</p> <ul style="list-style-type: none"> • Originality • Consultation undertaken • Personal involvement level • Transferability • Evidence of a measured outcome • Impact or influence • Cost effectiveness <p>The submission has not been entered in another Award category.</p> <p>Innovation/Originality: With the advancement in off the shelf laser modules we were able to engineer an application unique to the quarrying industry. Our solution will allow us to be at the forefront of our “industry best practice.”</p>
<p>2.</p>	<p>Consultation: Early testing has consistently produced excellent results. The laser module is being trialled on the FEL during afternoon shift. After further testing and a safety audit we believe it could be operated during low light periods (overcast, rain). Stage two development will be for an adapted module onto the main arm of the excavator to improve alignment of trucks under the excavator. Applications of laser technology in the quarrying industry could provide innovative methods of achieving safety and production improvements.</p>

3.	<p>Impact and Measured outcome:</p> <p>There has been no measurable negative impact on the business activity.</p> <p>The operators have shown interest in the new technology and we expect to have considerable efficiencies in training new operators to line up under the FEL.</p>
4.	<p>Transferability:</p> <p>The module is easily installed on any FEL or excavator and all mining operations would benefit from the improved truck alignment . Transport trucks reversing under conveyors, bins and silos, using this technology would increase efficiency and, in turn, production levels. Also increase safety not only for operators but also for equipment damage.</p>
5.	<p>Cost Effectiveness:</p> <p>The laser module cost \$700 and the installation required two man hours. Testing to date has been insufficient to create an accurate cost benefit analysis. Trials have provided evidence that less experienced operators are more efficient and safer using the laser module "REVERSE RIGHT - LASER LIGHT".</p>

Attachments (Optional)	List any additional information you have attached to support this application. (i.e.CV, reports, reference)
Power point	PRESENTATION
VIDEO	AS PER APPLICATION.