Consent	Do you agree to be contacted by IQA members regarding your submission? **Yes** Do you agree to present your submission at your local branch meeting? **Yes**
Award Criteria	To recognise an industry site's contribution to the advancement of OH&S in the quarry industry. The contribution can be a single suggestion or invention or implementation relating to equipment, processes, training, safety management, industry representation OR continued excellent performance over a period of time, which improves OH&S in the industry. **The site submission will be judged against the following criteria**: • Originality in OH & S • Evidence of continued proven outcome in OH & S • Impact on site • Consultation undertaken List below the achievements of the site relevant to the criteria in summary form.
1.	**Innovation/Originality:** How original or innovative is this contribution in solving or improving an OH & S issue? **<u>Background:</u>** During a visit from an acting Mines Inspector to the Grants Head Quarry, he noted that every quarry he visited that operated mobile crushing plant had the same issue. The OH & S Issue: That the fire extinguisher for any mobile crushing plant is attached to the plant itself, therefore if a piece of crushing plant did catch on fire, it would require someone to move towards the fire in order to find the extinguisher. This is not the safest option especially if the fire is near where the extinguisher is stored. **<u>Principles:</u>** From this, the core concept of: • Creating a centralised location to hold all the fire extinguishers for the immediate surrounding crushing plant. • That would be easily accessible, more efficient and a safer option in the event of an emergency.

	The concept grew further to encompass the following points: • Being a Fire extinguisher station • A safety station that could address most emergency situations, whether people, plant or environment, thereby being able to store PPE and be a platform to complete required safety paperwork and procedures. That was easy to move. • Could handle the harsh conditions of a quarry environment. • Target of being a one stop central point for staff and contractors to use for all considered emergencies And thus the "ERSS" Emergency Response and Safety Station was conceived and now developed.
2.	**Evidence of continued proven outcome in OH & S:** The key issue of removing the need to move towards a fire to obtain a fire extinguisher has definitely been achieved through development of this innovation. The ERSS provides a significantly safer alternative in combating small fires on mobile crushing and screening plants and around the site in general. Expanding the ERSS to house the means of combating oil spills, injuries, encouraging the use of PPE and completion of paperwork etc has resulted in solving/improving many environmental and safety related issues that were not initially even considered. By incorporating the extended functionality together into the ERSS, it has provided a much better solution than if these functions were separate pieces of plant. **Some Key Features of the ERSS:** • Easily accessible fire extinguishers for mobile crushing plant. • Holds the yellow wheelie-bin Spill Kit. • First-Aid Kit - Carry type and Eye-Wash Bottle. • Emergency Air-Horn. • PPE Kit (Ear Plugs, Glasses, Riggers Gloves, Dust Mask, etc). • LOTO – Isolation Padlock station and Lock-Out Tag-Out Register. • Paperwork Safety Station and work-bench (With blank SWMS, Permit-to-Work, Hot-Work, etc). • Easy to move, unit is skid mounted so it can be dragged. It can also be lifted either via forklift, Manitou, or using the approved lifting lug and sling (mechanism is currently undergoing a small design change and a resultant engineer's certification). • Dust seals on cabinet doors. • Station is base heavy so cannot be tipped over, and sturdily built structure and roof to handle quarry life. • Painted Safety Red to stand out, in heavy duty paint. As can been seen in attached photo's, the unit stands out, so people know where to go in an emergency, it is obvious to anyone who has been instructed on the unit what it is there to achieve and we would suggest that this even applies to staff that are yet to be instructed on the unit.

3.	**Impact on site:** The innovation has impacted into almost all of the sites daily operations. The use of the station for completing paperwork on the quarry floor away from the office, as a source of PPE, which being always close at hand, thereby encouraging use of PPE, but mostly, the workers on site knowing where to go in almost any emergency, whether, human, environmental or fire. It's the one-stop-safety-shop that's always close at hand to the quarrying operations. As it is being rolled out to various sites, workers throughout the businesses will get to know exactly what it is and what it is there for. So if workers move between quarry sites to meet operational needs, the workers already know in an emergency what the ERSS is there for and what it is capable of.
4.	**Consultation undertaken:** Continual consultation with quarry workers was undertaken during the development of the ERSS, to ensure it actually met the workers needs, and allowed for feedback of improvements. Engineers were consulted to ensure lifting points were adequately designed and built. Post development, a mines inspector was invited to come and view the ERSS to provide consultation on how an inspector might view the unit if they were to see one working in a quarry. The feedback from this inspector was very positive.
5.	**Cost Effectiveness:** Hy-Tec's perspective is that the innovation is extremely cost effective. The level of improvement gained in both the ability to respond to a safety/environmental emergency situation, and the encouragement to use PPE and completion of safety documentation by having this unit so close to work activities far out weights the financial cost of having one of these units on site.

6.	**<u>Other Benefits:</u>** Fire Extinguishers fit for use on mobile plant are usually of the powder type, which due to being attached to the constant vibrating plant, the powder usually compacts in the cylinder over time. This means they have to be changed out regularly as they no longer pass the inspection test, and worse, may fail during the time it is needed. Removing the extinguisher from the vibrating plant and having it stored on the ERSS removes this issue, providing longer life expectancy of the extinguishers and importantly the knowledge that they will work at time of need.

Attachments (Optional)	List any additional information you have attached to support this application. (i.e.: CV, reports, reference)
Photos in Workshop	Provided in email
Photos in Pit	Provided in email
Videos	3 Videos available showing the ERSS in action in the pit. Will arrange for Dropbox or large file transfer delivery.