

Innovations Award information

Castle Mountain Zeolites are one of five finalists in the Northern Inland Innovations awards for Agriculture. Castle Mountain Zeolites are a local Quirindi company processing what is arguably the finest available Natural Zeolite in Australia. Good fortune allowed the discovery of a unique deposit of Natural Zeolite a short distance from the main township of Quirindi. Thus, Castle Mountain Zeolites was formed and research began on the many uses of this amazing mineral, finally culminating in the building of a state of the art crushing and processing plant on the site. Due to a high level of expertise, innovation and local skills from an association with Tamarang Engineering as well as the hidden talents of several interested local parties, this venture was able to become a reality.

Castle Mountain Zeolites are proud to have their base in the local Quirindi farming community. Our focus has been to utilise local people and resources wherever possible. Though developing a high tech world-wide market, we have focussed on identifying ways in which Castle Mountain Zeolites could be of benefit to the local environment and industries whilst still allowing us to make the venture a profitable and going concern.

From its humble rural beginnings Castle Mountain Zeolites has been able to expand its research and development into a vast array of industries requiring innovation and tenacity at every turn. This unique Zeolite has applications in local fields such as livestock, agriculture and water filtration. But, there are also further local and overseas applications in human health, industrial processing and remediation as well as such complicated fields as nuclear research and control of waste and waste materials in such far flung areas as Antarctica.

Castle Mountain Zeolites have an unprecedented ability to store positive ions due to their naturally high Cation Exchange Capacity (CEC), this exceptional property makes Zeolite essentially a “Molecular Magnet”. The benefits of Castle Mountain Zeolites in all these industries is due not only to the chemical and physical properties of the Zeolite, but also its value as a safe, organic, naturally occurring product, that has no known environmental downsides and is BFA (Biological Farmers of Australia) registered.