



SAFEWORK NSW  
**AWARDS**  
2017

# WHEN INNOVATION WINS

## Hy-Tec Industries Austen Quarry

### BEST SOLUTION TO AN IDENTIFIED WORKPLACE HEALTH AND SAFETY ISSUE (MEDIUM/LARGE BUSINESS)

Like any tool, the teeth of an excavators' bucket have a limited lifespan. In the case of the PC850 excavator at Hy-Tec's Austen Quarry, the teeth are required to be replaced every week. Like a dentist fitting enormous veneers, quarry workers had to manually attach the five 29 kg teeth, putting the workers at risk of musculoskeletal and pinch point injuries.

With the go ahead from senior management and in a true team effort, Hy-Tec engineers, safety officers and workers developed the Excavator Bucket Tooth Exchanger. Its simple design eliminates the need for a worker to handle the heavy teeth. Instead, a hydraulic arm does the heavy lifting to load the teeth into the attached tray. This collaborative project cost just a little over \$1000 to manufacture.

**"We are fortunate in that our health and safety achievements and initiatives are continuously recognised within the Hy-Tec Business."**

Carolyn Fisher

**"TO RECEIVE  
RECOGNITION  
WAS INCREDIBLY  
REWARDING  
FOR EVERYONE  
INVOLVED."**



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