

# AAPA 2017 SA INNOVATION AWARD WINNER



## GROOVING SLURRY RECYCLING UNIT

Fulton Hogan's new Grooving Slurry Recycler ticks all the boxes: by simultaneously collecting slurry created in the grooving process and compressing it for reuse in other products, the unit eliminates the need for slurry ponds and reduces costs, enhances safety and reduces environmental impact.

Primarily, the benefit of the purpose-built unit is to reduce the cost of grooving operations to clients by removing the requirement to build, maintain and demolish slurry ponds. Slurry ponds often require large plots of land, are an eyesore and add on-site time to each job. In the case of airports, that results in additional cost.

But the benefits to the environment are considerable, too. After slurry is collected, it is compressed into bricks for use in new product, diverting disposal of environmentally damaging materials from landfill and sewerage systems, further reducing downstream costs and significantly enhancing environmental outcomes.

Additionally, the reduction in construction vehicle movements required to service the new unit reduces the risk of collision and breakdown,

enhancing site safety which, if considered over the life of the unit, could amount to massive benefits, including potential loss of life.

All of these benefits provide for a better overall pavement solution for the asset owner and industry as a whole.

Fulton Hogan's initial trial team comprised key Fulton Hogan and Brisbane Airport staff, industry consultants and specialist engineers. A second trial was conducted after improvements were made at RAAF Williamstown to prove the concept. The grooving team has since completed projects at Brisbane, Adelaide and Sunshine Coast airports.

The new Grooving Slurry Recycler is now highly sought after by clients nationally, and the recycled product is being trialled for substitution for the silicon sand used in Fulton Hogan's seal coat product, JetBlack®.