

# PROJECT PROFILE

# DINMORE TO GOODNA



## CLIENT

OrignAlliance

## LOCATION

Redbank Plains, Brisbane, Australia.

## OBJECTIVE

The D2G Alliance is exploring the utilisation of a paste fill system to fill abandoned mine workings surrounding the Ipswich Motorway upgrade project. This fill system may potentially utilise crushed sandstone and/or reclaimed flyash and bottom ash from Swanbank power station. Backfill paste will be mixed on site and pumped either into a surface reticulation line or an agitator truck.

## SCOPE

The mix recipes included manufactured sand, pond ash, cement and water. There was handling issues using wet pond ash. This was overcome using special liners and thumpers in the ground hopper. The mixed product was discharged into agitator trucks and delivered to the borehole collar.

The Aran MODUMIX II plant and mixer was selected because of its ability to handle difficult materials such as wet pond ash, and produce a variety of mixes required for the project. The plant was configured to provide practical “on-plant” surge capacity for non-liquid materials.

The module sections were pre-fabricated and populated off-site. The installation and commissioning of the plant, ground hoppers and transfer system was completed in 8 weeks.

## RESULT

The plant produced 180m<sup>3</sup>/hr of paste with a total of 140,000m<sup>3</sup> produced. The mine fill project was completed on time and under budget.

## CONTACT DETAILS

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