

## SUGAR CANE DELIVERY SYSTEMS



### Proserpine Mill Bin Extractor

In February 2014 Wilmar contracted EDMS Australia to undertake an upgrade of the Proserpine Mill Empty Bin Extractor as part of that mill's automation upgrade.

The Bin Extractor system comprises a rack and pinion extractor with a nominal extraction stroke length of 7330 mm, complete with gravity type extraction head, mounted on new support structures.

EDMS Australia's in house team of engineers and draftsmen in Cairns and its fabrication and construction team in Townsville designed, built and installed a turnkey solution for the Proserpine Mill.

The upgrade was completed in May 2014, prior to the 2014 cane season.

### Scope of Work

Design, supply of materials, fabrication and installation of the Extractor Track Support Steelwork into the carrier pit.

Design, supply of materials, fabrication, machining, painting, installation and commission of the Empty Bin Extractor.

The design incorporated side thrust rollers, wheel rollers, roller and wheel bearings, drive pinion and couplings compatible with Proserpine Mill's existing Spotter.

Modification of the existing rail supports and bin wheel guides between the Tippler and the Exit Wheel Creepers, raising the rail and changing the rail curve to suit the new Empty Bin Extractor.

EDMS also provided an Empty Bin Extractor operating philosophy and sequence table.

### HOW WE CAN HELP

EDMS continually develops and positions its resources to be a leader in construction, engineering consulting, technical support, inspection services and design drafting for Defence, Marine, Sugar, Industrial and Resource projects.

Our diverse range of engineering services include:

- Engineering Design
- Project Management
- Detail Drafting
- General Fabrication
- On-site Demolition and Installation of Plant and Equipment
- Electrical supply, distribution and control systems
- Technical Publications

For further information please contact EDMS Australia