



## CASE STUDY >

# DESIGN, CONSTRUCTION AND COMMISSIONING SERVICES ON THE BORAL BATCH PLANT FOR NORTHEAST LINK

## PROJECT OVERVIEW

The Northeast Link (NEL) is Victoria's largest road project and represents the 'missing link' in Melbourne's transport network. The project will connect the M80 with the Eastern Freeway linking key growth areas in the north and south-east. It includes upgrades to the Eastern Freeway, a dedicated Doncaster Busway, more than twenty-five kilometres of new and upgraded cycling and walking paths, and improvements to community facilities including local sports grounds. Supplying concrete for this project over the four-to-five-year life span is the Boral Batch Plant located on the perimeter of the tunnel cut and cover works. RSG were engaged to complete the electrical and control works for this Batch Plant.

## SCOPE OF WORK

RSGx was engaged by Boral to redesign the electrical installation for the Batching plant that had previously been installed to supply concrete for several projects in NSW.

The engineering and construction teams conducted works including:

- ◆ Electrical and control design (preliminary to IFC).
- ◆ Installation and termination of new electrical equipment.
- ◆ Installation, termination, and rectification of existing electrical equipment.
- ◆ Development of ITP's and quality assurance frameworks.
- ◆ Installation and fit off to temporary generator for site operations.
- ◆ QA/QC works and commissioning up to Level 1 task.
- ◆ Commissioning support for all Level 2,3,4 &5 tasks

## SOLUTION

RSGx were engaged to deliver a turn-key solution, having an in-house capability to work across all facets of the scope from design support to handover of project. The project had an ambition time-frame, which RSGx, by working a seven-day roster ensured the program was met. Cable containment installation, cable hauling, terminations and testing were completed in line with the new electrical installation design drawings.

The team's capability and flexibility and their cross-functional collaboration ensured that both complex design and installation could be delivered on time and the plant energised in line with the client's program.

## ACHIEVEMENTS TO DATE

Successful design, installation and commissioning of electrical and control equipment on site, ensuring that Boral could meet targets required for first concrete.

### CLIENT

**BORAL RESOURCES (VIC) PTY LTD**

### SERVICES PROVIDED

**DESIGN, INSTALLATION &  
COMMISSIONING  
ELECTRICAL & INSTRUMENTATION**

### SCOPE

**DESIGN  
CONSTRUCTION  
PRE-COMMISSIONING  
COMPLETIONS**

### INDUSTRY

**INFRASTRUCTURE**

### LOCATION

**MELBOURNE, VICTORIA**

