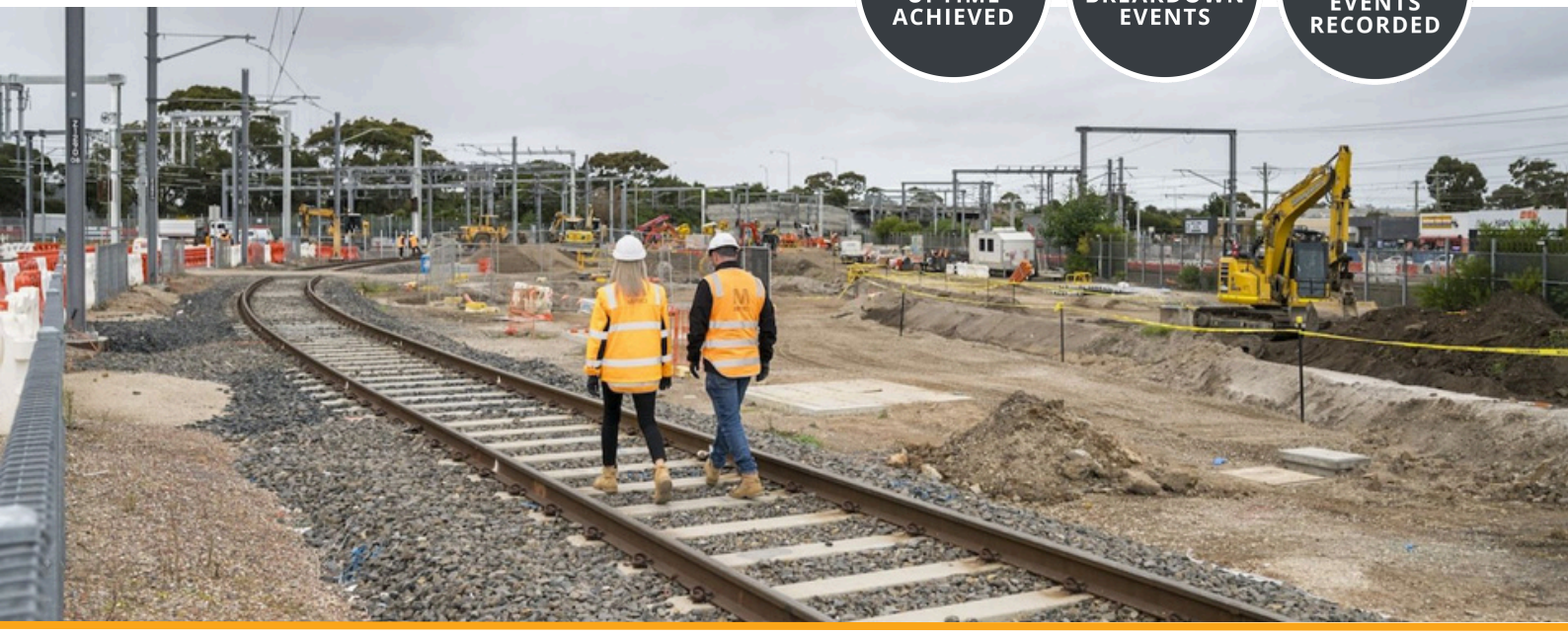
SPECIALIST DRILLING SUPPORT FOR KANANOOK STABLING YARD

CASE STUDY

100% UPTIME ACHIEVED

0 BREAKDOWN EVENTS

0 COMPLIANCE EVENTS RECORDED



Project: Kananook Stabling Yard
Industry: Rail Infrastructure
Location: Seaford, Victoria
Project Scope: Supplying compliant earthmoving equipment and specialist attachment packages to support steel casing installation and drilling works in unstable ground conditions.

THE **PROBLEM**

Works at Kananook Stabling Yard in Seaford involved drilling in highly unstable ground conditions within a live rail corridor.

Ground conditions included Quaternary swamp, dune and beach deposits consisting of peaty clay, clay and sand over deeper Sandringham Sandstone and Gellibrand Marl formations.

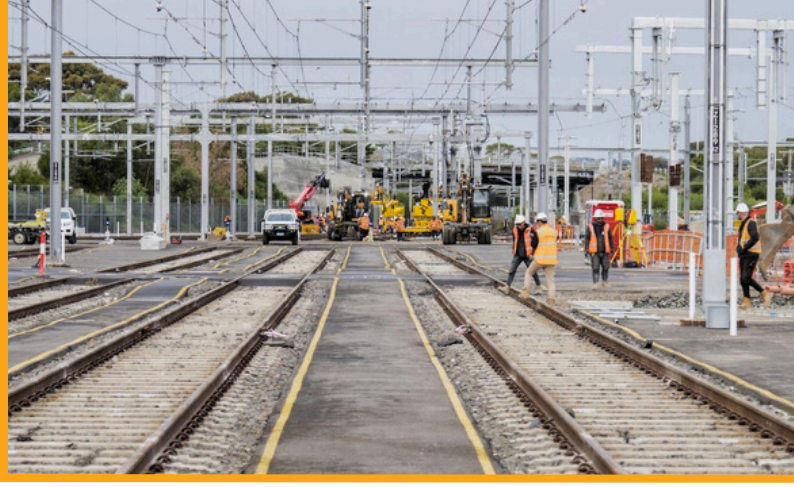
Without stabilisation, drilled holes risked collapsing during piling operations.

This was not a standard auger application. The project required steel casings ranging from 750mm to 1200mm diameter and up to 6 metres long to be installed prior to drilling to maintain hole integrity in the unstable ground conditions.

As the works were undertaken within a rail corridor environment, all equipment also required PileSafe and 3D Safety inductions prior to mobilisation.

FOCUS MACHINERY





THE **SOLUTION**

Focus Machinery supplied a Sumitomo SH235X-6 25 tonne excavator configured specifically for the project requirements.

The package included:

- PD50-7 Auger Drive
- 750mm, 900mm, 1050mm and 1200mm augers
- Auger extensions
- EMV Attachment (Excavator Mounted Vibrator) for steel casing installation

The EMV attachment allowed steel casings to be installed prior to drilling, stabilising the excavation and preventing collapse within the soft ground conditions.

Prior to delivery, Focus Machinery commissioned and tested the auger and EMV configuration and ensured all equipment was inducted to PileSafe and 3D Safety requirements before arriving on-site.

THE **RESULTS**

The configured machine and attachment package supported continuous drilling operations across the project without equipment-related delays.

- 100% uptime achieved
- Zero breakdown events
- Programme requirements met
- Zero compliance events recorded

The specialist configuration allowed drilling works to proceed safely and efficiently despite the unstable ground conditions and live rail corridor constraints.

Compliance | Performance | Reliability | Certainty

Go Ahead and Dig®

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