

## CBH GROUP – KWINANA GRAIN TERMINAL CATHODIC PROTECTION PROJECT

<b>Client</b>	CBH Group
<b>Project</b>	Cathodic Protection AC Supply and Install
<b>Location</b>	Kwinana, WA
<b>SIMPEC Contract</b>	Electrical AC Supply and Install
<b>Value of Contract</b>	\$ 495,000
<b>Duration</b>	3.5 months
<b>Commencement date</b>	October 2020
<b>Completion</b>	January 2021



### Cathodic Protection Project Overview

CBH Group is taking steps to ensure the longevity of the one of its 4 Wharfs, The Kwinana Grain Terminal (KGT). KGT is considered one of CBHs most valuable assets, being a major exporting port for many of WAs farmers.

To increase durability in its harsh environment and stop any further decay to this heavily used Wharf. CBH has set aside expenses to rewrap its pylons and revamp its Corrosion resistance using Cathodic Protection.

The Existing setup has now been replaced with a new system, an impressed current cathodic protection (ICCP) with 20 Transformer Rectifier Units (TRU) delivering a direct current (DC) to 60 anodes. The TRU's require a stable alternating current (AC) current to operate effectively.

### Client Overview

The CBH Group is Australia's largest co-operative and a leader in the Australian grain industry, with operations extending along the value chain from grain storage, handling, transport, marketing, and processing.

Owned and controlled by approximately 3,900 Western Australian grain growing businesses, the core purpose of the CBH Group is to sustainably create and return value to growers.

Since being established in Western Australia in 1933, CBH has continuously evolved, innovated, and grown.

Its storage and handling system currently receives and exports around 90 per cent of the Western Australian grain harvest and is regarded as one of the best in the world.

The CBH Group owns a state-of-the-art rail fleet dedicated to the most efficient transfer of grain from country receival points to its four port terminals, Kwinana Grain Terminal being one of these ports.

The co-operative's marketing and trading arm is the leading grain acquirer in Western Australia and has operations in eastern Australia, as well as offices in Hong Kong and Tokyo.

The CBH Group has total assets of more than A\$2 billion and employs approximately 1,100 permanent employees and up to 1,800 casual employees during the harvest period from October through to January.

### The Scope of Work

SIMPEC's scope of work for this contract includes the complete installation of electrical AC Systems for CBH's Kwinana grain terminal Cathodic Protection upgrade, Additional onsite support was given for commissioning of DC systems, out of scope punch list items and management of site facilities for the project.

Electrical works include:

- Supply and Installation of cable protection and containment systems. Meeting NEMA VE-2 2018 Standards.
- Design & Engineered supporting systems across site.
- Supply, Installation and testing of all AC Systems on site.
- Site wide E&I Completions Team assisting with punch list completion for commissioning.
- Removal of Redundant systems electrical systems across the wharf.

### Key Facts

- Management of Project Construction Facilities
- Design and Engineer Supporting Systems
- 4000m of Cable and 2000m of Cable Ladder
- Zero Incidents or Injuries for Project Duration