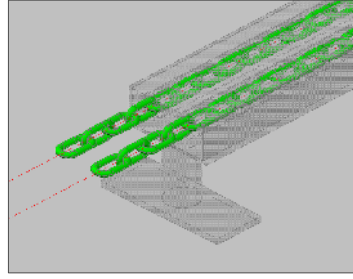


Mulwala Explosives Manufacturing Plant



Client:
Kellogg Brown Root

Location:
Mulwala NSW
Australia

Value:
\$30,000

To provide consultancy services solve a specific materials handling problem in an explosive manufacturing facility.

The Project

The Mulwala munitions facility was undergoing a major upgrade to provide the Department of Defense and its subcontractors with a safe and modern munitions production facility.

Kellogg Brown Root approached Australis Engineering to assist in the development of concepts to pick up a block of explosive nitrocellulose from one of three blocking presses and deliver it to any one of four extruding presses using minimal operator input.

The floor area was to remain as clear as possible as the nitrocellulose blocks are highly explosive.

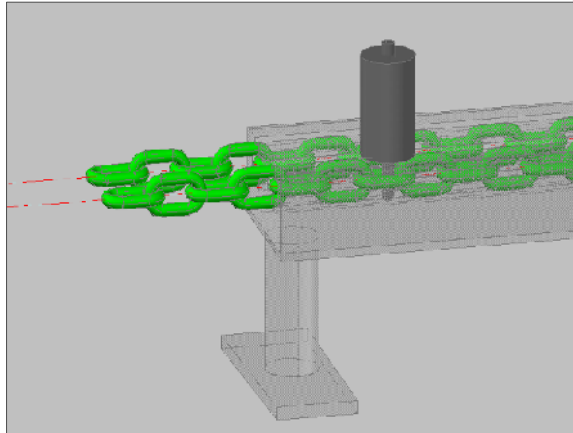
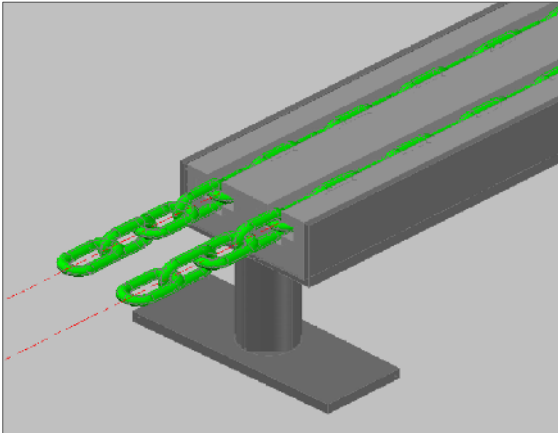
Australis Engineering provided the following outcomes:

- Provided several concepts for handling the explosive nitrocellulose product.
- Fine tuned the accepted concept to a workable and safe solution.
- Described in detail the equipment necessary to perform the manufacturing process under the preferred production option.
- Provided an operational description of the process that could be included within external tender

Hazardous substances

Engineering Consultancy

Concept Designs



The Result

Australis Engineering provided KBR with a proposed materials handling solution that was deemed to be safe and acceptable for inclusion into external tender documents issued for the project.

Our solution solved a difficult and potentially dangerous handling problem and achieved a suitable outcome for the client allowing them to proceed quickly towards the external procurement process for the materials handling component of the Mulwala redevelopment project.

Innovation

A key element of the Australis Engineering service provided to KBR has been the provision of our extensive industry knowledge (with over 100 years of combined materials handling expertise) and capability to quickly identify critical issues for the project and identify potential solutions to overcome these issues. Key to this experience is Australis Engineering's strong network of industry contacts, from suppliers and sub-contractors to full-service providers, enabling our clients to benefit from the best-practice and most cost-effective solutions that are available in the market-place.

Contact Australis Engineering at:

25 Harley Crescent
Condell Park NSW 2200
AUSTRALIA

Phone: +61 2 9707 5888
Fax: +61 2 9708 3564

E-mail:
enquiries@australiseng.com.au
www.australiseng.com.au