



Better, safer, faster, smarter.

Nitty-gritty technical challenges, like scouring the globe to source the best product for a given solution, or inventing one that's even better.

That's just the way we're wired. That's why, when we say we'll deliver a solution, we deliver. First time. And that's how we save you time, trouble and money – when you're dealing directly with the industry's brightest minds, you get the answers you need, faster.

No excuses. No cost blow outs. Just a solution that works.

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GANG PROTECT



THE PROBLEM

Improving the safety of track workers working on an operating railway.

QUICK FACTS

- Laser/Radio Operation
- Time of flight laser for high levels of discrimination
- Fails safe for loss of batteries
- Fails safe for loss of radio
- Fails safe for falling equipment
- Easy set-up

OUR SOLUTION

Working on an operating railway can be a dangerous activity. Traditional safeworking controls do not always guarantee the safety of the personnel working in the rail reserve.

Traditional approaches have included both look-outs and detonators. These are labour intensive and have their own risks.

ARCS have designed and implemented Gang Protect a system that adds an engineering layer of protection to traditional safeworking controls. Utilising time of flight lasers to detect approaching trains and track vehicles coupled with a secure wireless communication system that links the Gang Protect modules means Gang Protect provides a highly resilient system that will advise track workers of the approaching dangers. The system incorporates a number of fail-safe controls improving reliability and reducing the incidence of potential false triggers. The system can be set up with minimal training and exercised to ensure correct operation. Flashing lights and an audible alarm warns the track workers of the potential hazard and the direction of the approaching vehicle. A rechargeable external battery pack means the system can be operated over extended working times.

HOW IT WORKS

