

BUSINESS PROFILE

IPLOCA Health and Safety Awards 2013

With an excellent safety record, and proven ability to provide a wide range of services from Project Management and Design to Construction and Commissioning, Nacap is a leading pipeline and HDD construction contractor.

Our clients include some of the largest asset owners in Australia, as well as major multinational and Australian organisations in the LNG, Oil, Gas, Water and Mining sectors.

Multidisciplinary Versatility - Engineering, procurement, construction, management and maintenance are all part of our repertoire.

Social Responsibility - Nacap works safely with strict adherence to our commitment to heritage and the environment, stakeholders and local communities.

CODESAFE SUCCESS



FINDINGS

As part of an investigation into a high potential pipelayer related incident it was apparent that the required daily prestart inspection process undertaken by operators daily was not always completed as thoroughly as required and in some cases was entirely inadequate to ensure the Pipelayer was 100% safe for use.

Problems, areas for improvement

- Crews not knowing how to correctly inspect machinery
- Documentation being unclear to some operators
- Old methods of delivery ineffective (lengthy paper documents etc.)

In short we identified that to communicate our Safe Work Procedures effectively and consistently we had to enhance the way we trained our workers.

SOLUTIONS

Nacap commissioned CodeSafe to establish a visual communication presence within the pipeline division. CodeSafe brought in visual support to existing operational procedures.

CodeSafe's digital platform develops, stores and delivers visual communication messages to employees on demand using QR Code technology to deliver visual support to employees when they need it.

By scanning a CodeSafe QR code employees can view safety, environment and quality communication messages in an interactive way. This ensures that every employee can access the visual support necessary to bring engagement and better comprehension to health and safety processes.



IMPLEMENTATION

Our site workers firstly helped in the review of our Safe Work Procedure relating to prestart inspections of Pipelayers and then filmed themselves completing an actual prestart inspection process on a pipelayer.

After filming, a professional production company was approached to assist with video editing and development of a QR code for scanning.

In less than two weeks our first in-house procedure video with QR code technology was ready for use!

QR codes were applied to machinery on site and workers were able to implement the training immediately.

ACHIEVEMENTS

- It is cost effective (<\$100 per video), easily updated, quickly assesses and accessible anywhere, anytime delivering critical information instantly, precisely and exactly where needed
- Usage easily traceable with detailed report and evaluation capability
- Workers involved in producing videos are performing and acting out steps of a Safe Work Procedure.
- Improved safety awareness and behaviour
- Reduced injury rates due to greater understanding of procedures and more engagement in the message
- Increase in the amount of employees' vocalising safety issues
- Increase in engagement and development of a strong safety culture
- Modified procedures following feedback to ensure better comprehension.

LONG TERM PLANNING

Videos and QR codes are now not only being developed for safety procedure but also environment and quality as well, and it is Nacaps vision that this technology is implemented company wide in all facets of the business.

“Educating our workers using procedural videos accessed using quick response scan codes is a breakthrough initiative to improve health & safety, quality, productivity and sustainability throughout our business”

Corporate HSEQ Manager Tony Vervest