

CASE STUDY
COMBINED-CYCLE POWER PLANT
PHILIPPINES

KSTRONG®
UNRIVALED SAFETY.

KS GROUP



LIFELINE FOR POWER BLOCK CRANE

AFF4000 HORIZONTAL LIFELINE SYSTEM

PROJECT CASE STUDY

Client : Combined-Cycle Power Plant in Batangas, Philippines
Project name : Installation of Horizontal Lifeline for Power Block Crane
Products used : AFFF4000 Horizontal Lifeline on Crane Gangway

Background

A 1200MW combined-cycle power plant located in Batangas City, Philippines, required a solution for safe access to its power block crane during maintenance and repair activities. This plant, the largest natural gas facility in the country, plays a crucial role in the energy sector, with the capability to operate on both natural gas and distillate oil as a backup. The plant is supplied with natural gas from the nearby Malampaya gas field, making it a critical infrastructure in the country's energy supply chain.

Requirement

The facility required the installation of a 400-meter horizontal lifeline to ensure the safety of workers performing maintenance and repair on the power block crane. The installation had to be completed without any drilling, welding, or penetration into the structure to avoid compromising the integrity of the crane or the surrounding equipment.



KStrong Solution

KStrong provided a customized fall protection system using the AFFF4000 Horizontal Lifeline with beam clamps. This system allowed workers to safely access the power block crane at height without the need for invasive installation techniques. By employing a clamping method, KStrong ensured the lifeline was securely attached to the structure, meeting the client's requirements for both safety and structural preservation. The solution delivered a reliable, non-invasive means of protection for workers operating at height.

About KStrong

The founders of KStrong have been successfully manufacturing personal protective equipment globally for over 20 years. With the support of a large team of highly experienced research and product development specialists along with global manufacturing facilities, KStrong is poised to become the preeminent brand of choice for personal protective safety products. KStrong takes pride in assuring careful measures to ensure all products meet applicable government codes and professional standards, such as EN, AS/NZS and ANSI. We look forward to helping your company protect its most valued possession, its workers!



Project Gallery





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KStrong New Zealand

Contact E-mail : customercare@kstrong.co.nz

www.kstrong.com/newzealand

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