

**CASE STUDY**

**PETRONAS DAGANGAN BERHAD**

**KSTRONG<sup>®</sup>**  
UNRIVALED SAFETY.

**KS GROUP**



**ROOFING LIFELINE FOR PETRONAS BANDAR BARU BANGI**

**AFF4000 IMPAXX HORIZONTAL LIFELINE**

## PROJECT CASE STUDY

**Client** : Petronas Dagangan Berhad  
**Project name** : Roofing Lifeline for Petronas Bandar Baru Bangi  
**Products used** : AFF4000 IMPAXX Series Horizontal Lifeline

SCAN TO VIEW  
PRODUCT



### Background

**PETRONAS Dagangan Berhad (PDB)**, the principal marketing arm of Petroliaam Nasional Berhad (PETRONAS), has been a key player in Malaysia's downstream oil and gas sector since 1965. Over the years, PDB has established itself as the nation's leading retailer and marketer of petroleum products.

In a joint effort with **KStrong Asia**, PDB undertook a proactive approach to enhance workplace safety, specifically in working-at-heights situations. By identifying potential risks, the collaboration led to the implementation of integrated fall protection solutions for workers and contractors performing tasks such as roof cleaning and gutter maintenance. This initiative was aimed at minimizing fall incidents and reinforcing a culture of safety.

### Requirement

The installed lifeline system complies with international safety standards, including EN 795:2012 and CEN/TS 16415, and meets local regulatory requirements, having been DOSH-SIRIM approved for all components in the Impact Series anchorage points.

Specifically, the lifeline mounted on the Lysaght Klip-Lok Optima roof was installed using a non-penetrative clamping method. This ensures a secure and seamless fit while preserving the roof's integrity and achieving a clean, aesthetic appearance.

All components used are of high quality and engineered to withstand Malaysia's tropical climate, including prolonged exposure to heat and humidity, ensuring long-term durability and performance.



## KStrong Solution

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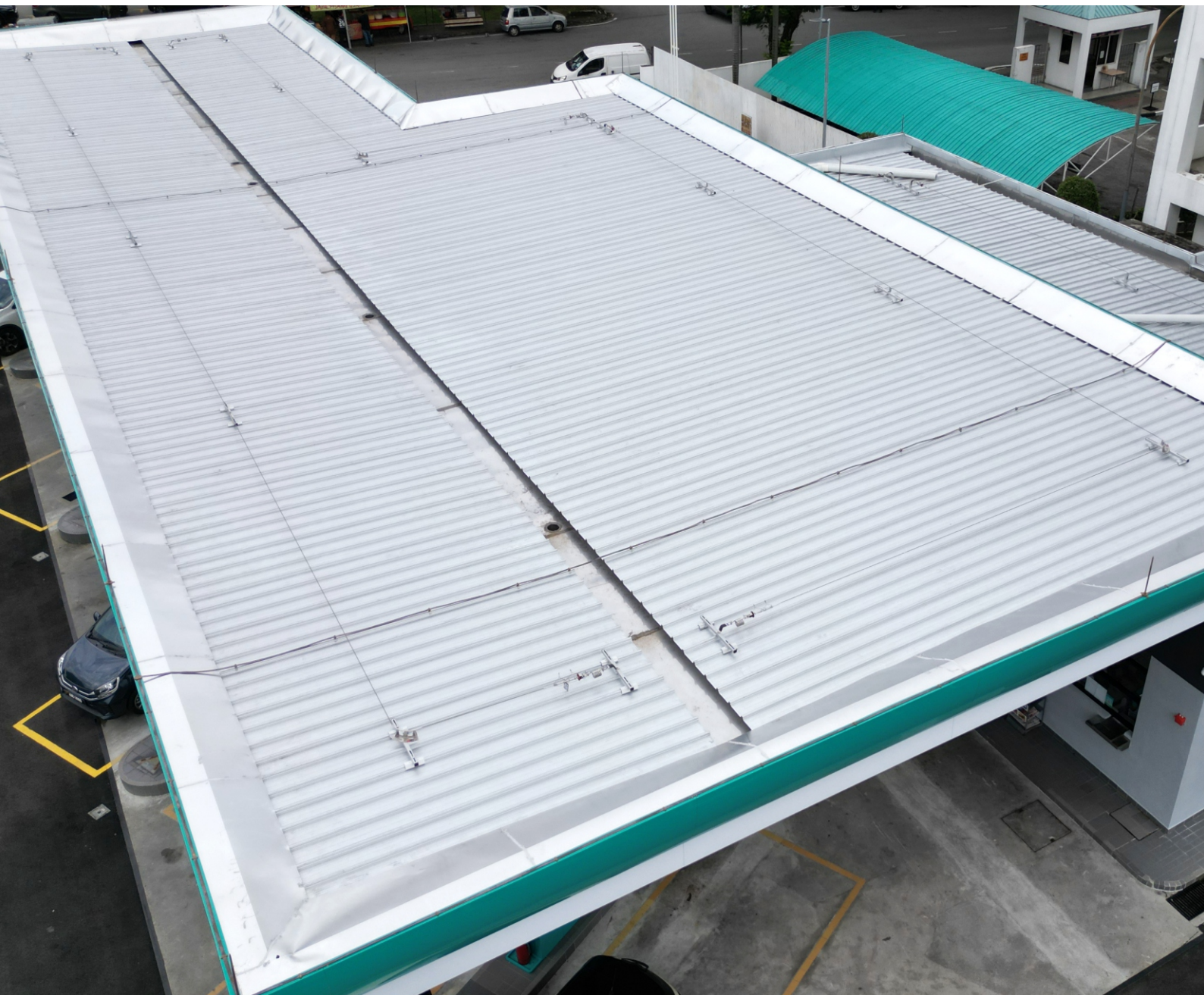
The KStrong solution successfully met PDB's requirements through the implementation of the new **AFF4000 IMPAXX Series Roofing Lifeline – Klip-Lok Series**, specifically designed to accommodate wider roof profiles. This system provided the flexibility needed for the project while maintaining full compliance with safety standards.

Installation was carried out by **KStrong's locally certified installer**, supported by a professional and competent team. Their expertise ensured that the system was installed to meet both **PETRONAS's strict safety protocols and quality expectations**, delivering a reliable and compliant fall protection solution.

## About KStrong

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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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***KS GROUP***

KStrong Asia Pacific

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