

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

**KS GROUP**

CASE STUDY  
MINISTRY OF DEFENCE SINGAPORE

**AFF4000**

HORIZONTAL FIXED LINE SYSTEM  
INSTALLATION FOR ARMY BASE

## PROJECT CASE STUDY

**Client** : Ministry of Defence Singapore  
**Project name** : Horizontal Lifeline System Installation for Army Base  
**Products used** : AFF4000 Fixed Lifeline System



SCAN TO VIEW  
PRODUCT



### Background

The Ministry of Defence (MINDEF) of the Government of Singapore is responsible for overseeing the national defence of Singapore. As per their commitment to protect and improve people's health, MINDEF also strives to provide for the Occupational Health Safety of their personnel. Working-at-heights is recognized as one of the high-risk activities when working on the roof thus there was a need for an anchorage system to ensure 100% tie down of personnel when working-at-heights on the roof.

### Requirement

The roof profile used was a Klip-Lok system to avoid the necessity of any holes being made on the roofs metal sheets so as to prevent any water leakage as well as avoiding any affect to the roof warranty, a specific requirement established by the ministry. The main building required a roof safety lifeline system specifically designed to follow the edge of the roof's layout. The safety lifeline had to comply with international standards for anchors to respect their status as a government entity that complies with the highest international safety standards.



## KStrong Solution

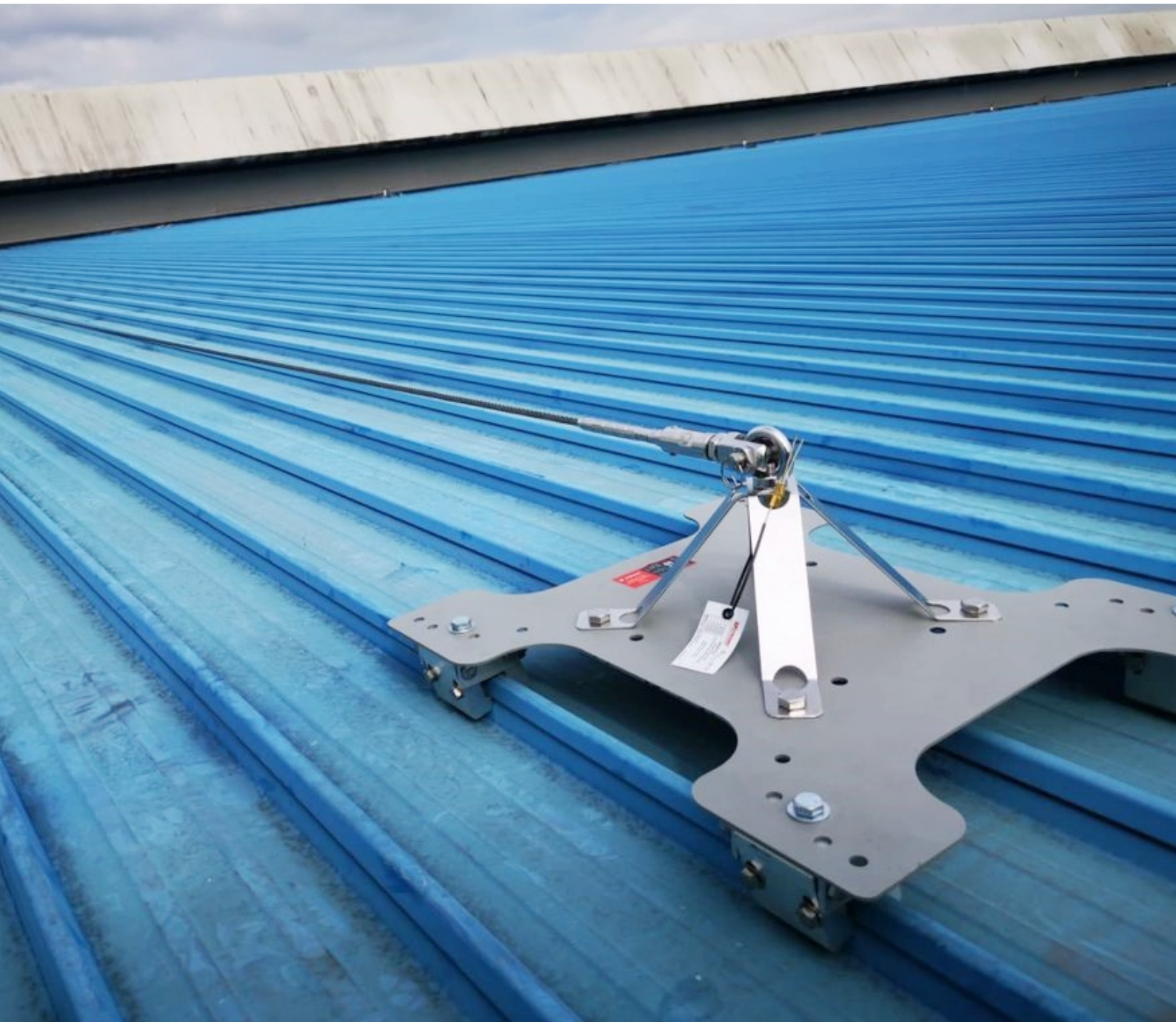
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KStrong offered the AFF4000 Fixed Line Roof System that combines with the KStrong rope grab for optimizing access to the entire roof. Note that the design also took into consideration all the safety requirements including minimizing a swing fall on the edge of the roof. The AFF4000 has been certified by EN795:2012 type C anchor and CEN TS 16415 for multiple users. KStrong was chosen due to clear competitive advantages in terms of product design, installation capabilities, quality, value and local support. **KStrong installed a total length of 500 meters of lifeline for this project.**

## 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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KStrong Asia Pacific

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