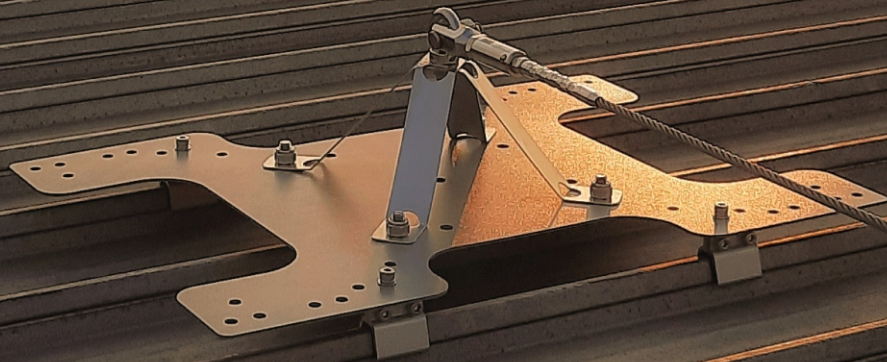


**KSTRONG**<sup>®</sup>  
UNRIVALED SAFETY.

**KS GROUP**

**CASE STUDY**  
**PT B. BRAUN PHARMACEUTICAL INDONESIA**



**AFF4000**

**HORIZONTAL FIXED LINE SYSTEM  
ON KLIPLOK ROOF**

## PROJECT CASE STUDY

SCAN TO VIEW  
PRODUCT



**Client** : PT B. Braun Pharmaceutical Indonesia  
**Project name** : Roof lifeline system for BUS building  
**Product used** : AFF4000 Fixed Line System for roof application

### Background

PT B. Braun Pharmaceutical Indonesia is one of the entities of B. Braun in Indonesia. It is the first Large Volume Parenteral manufacturing site of B. Braun Indonesia. As their commitment to protect and improve people's health, PT B. Braun Pharmaceutical Indonesia also strive for the Occupational Health Safety of their employees. Work at height is one of the high-risk activities that has been mitigating for activity on the roof and required an anchorage system to ensure comprehensive tied of during work at height on the roof.

### Requirement

The roof profile uses a KlipLok system which does not allow any holes to made to the roof system which can lead to water leakage especially during the rainy season. The tallest building is required to have optimal safety lifeline system which requires a design covering the entire roof area. The safety lifeline system must comply to international standards for anchors because Bbraun is an international company, thus they must comply to all safety standards with the installation requiring to be done by a certified team meeting international standards.





## **KStrong Solution**

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After several meetings between B. Braun, KStrong and Utomodeck, (KStrong Authorized Installer) the optimal solution was developed to assure the protection for anyone needing to work on the roof. An important requirement was the system must not create any holes that can lead to water leakage which was challenging but met by using KStrong technology coupled with professional and certified installer team.

KStrong offers 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 . 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, quality and value.

## **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 taking careful measures to ensure all products meet applicable respective 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!





***KS GROUP***

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