

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

CASE STUDY  
LEGOLAND THEME PARK SOUTH KOREA



**AFF4000**

HORIZONTAL LIFELINE ON  
CONCRETE POST

## PROJECT CASE STUDY

SCAN TO VIEW  
PRODUCT



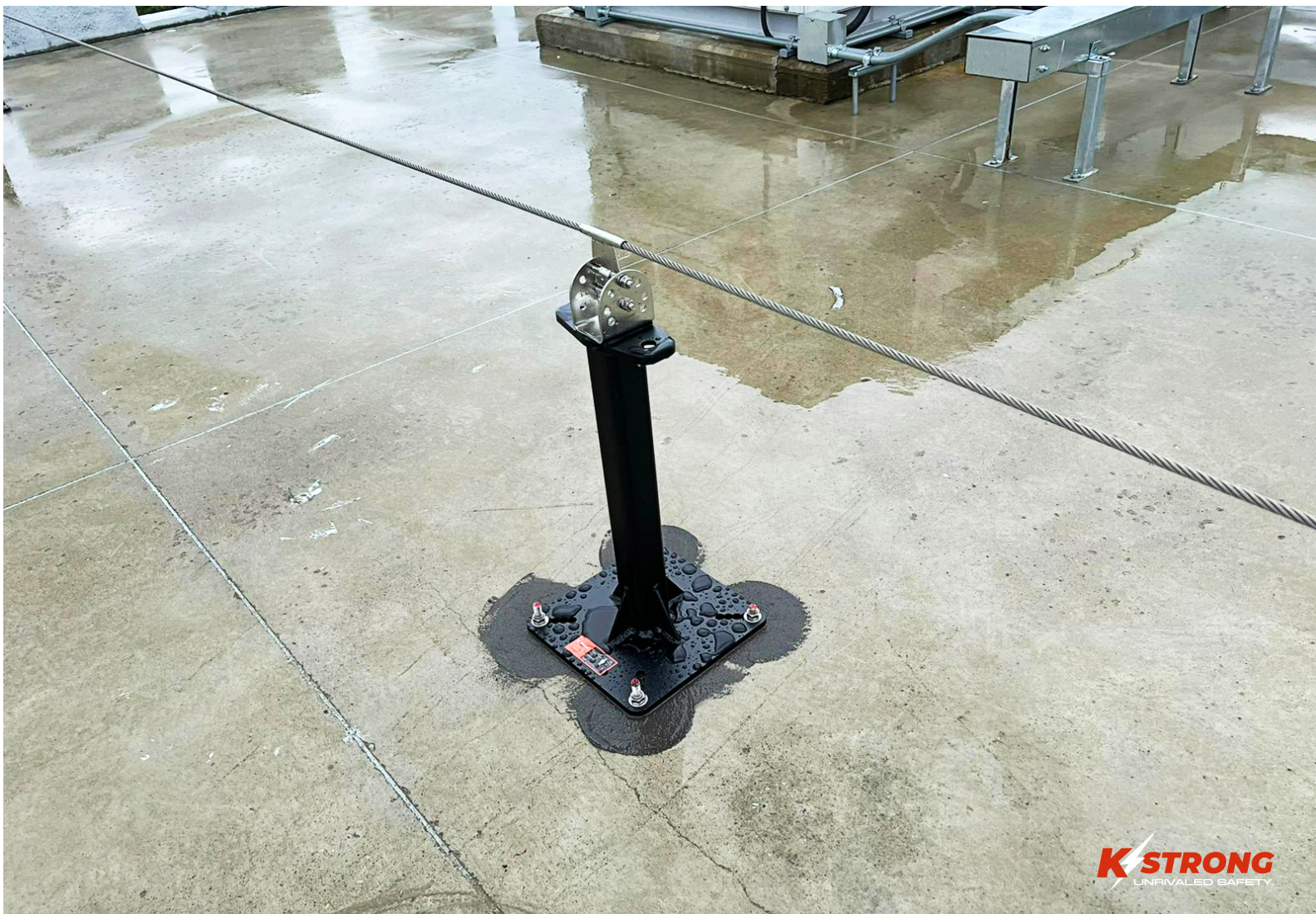
**Client** : Legoland Theme Park South Korea  
**Project name** : Roof lifeline system for Legoland Korea Theme Park  
**Product used** : AFF4000 Horizontal Lifeline on Concrete Post

### Background

Legoland Korea is a theme park in Chuncheon, South Korea. It covers 280,000 square meters, making it the world's second largest Legoland theme park and the largest in Asia. As per their commitment to protect and improve people's health, Legoland also strives to provide for the Occupational Health Safety of their employees. Work at heights is recognized as one of the high-risk activities that has been identified with activity on the roof and thus required an anchorage system to ensure 100% tie down of employees during work at height on the roof.

### Requirement

The roof profile used was a Klip-Lok system to avoid the necessity of any holes made on the roofs metal sheet to prevent any water leakage as well as avoiding any affect to the roof warranty, a specific requirement of Legoland Korea. The main building required a roof safety lifeline system to restrain the dangerous fall of users from off the edge in the event a fall does occur. The safety lifeline had to comply with international standards for anchors that complies with the highest international safety standards.





## **KStrong Solution**

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KStrong offered the AFF4000 fixed line roof system combined with the Kstrong rope grab for optimizing access to the entire roof. A total of 9 lifelines were installed at Legoland Korea. Each horizontal lifeline was installed on KStrong concrete 500 mm EN certified anchor posts to restrain the users from falling off the edge and arrest their fall in the event a fall does occur. The lifeline is designed and installed by KStrong certified installers to ensure the system is fully certified and safe.

Note that the design also took into consideration all 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 because of our competitive advantages in terms of product design, quality, value, and local support.

## **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!





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