

## CONSTRUCTION / BOON EDAM, DUBAI

# BURJ KHALIFA

### THE CHALLENGE

At a height of 442 meters, the new doors not only have to withstand high winds and extreme weather conditions, but also have to fit into the building's main façade and aesthetic setting.

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### THE SOLUTION

For a number of years now, Boon Edam has been using Nord-Lock washers in its revolving doors as it has found that their improved reliability and superior locking abilities have significantly reduced maintenance costs. Boon Edam supplied a total of six doors to the Burj Khalifa skyscraper, including two at the observation deck, all of them containing Nord-Lock components.



# CONSTRUCTION / JAPAN

# TOKYO SKYTREE

## THE CHALLENGE

Facing such an extremely tall structure are many: besides the high winds and the ever-present threat of earthquakes, the fact that its upper reaches spend much of their time enveloped in cloud and smog require that all components have the highest possible corrosion resistance.

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## THE SOLUTION

Tokyo Skytree's sky-high demands on quality, Nord-Lock washers were the inevitable solution. More than 10,000 pairs of various sizes have been used on the tower, making it almost certainly – with the possible exception of the aerospace industry – Nord-Lock's highest-altitude application. The washers have been used to secure many crucial bolted joints on this awe-inspiring structure.



# BUILDING / LINDNER, GERMANY

## FACADES

### THE CHALLENGE

Large surfaces and strong winds lead to dynamic loads on the facade and its substructure.

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### THE SOLUTION

The main connections were made with HV M36 and secured with Nord-Lock SC washers.



## CONSTRUCTION / LIFTBYGGARNA, SWEDEN

# ERICSSON GLOBE

### THE CHALLENGE

Creating a funicular railway to the top of the largest spherical building in the world has its logistical problems. Swedish company Liftbyggarna, who ordinarily manufacture ski lifts, have had to be inventive, even using mountain climbers and helicopters. Construction has required over

40 tons of reinforced steel, while the Skyview rail itself weighs 70 tons and each gondola weighs 7 tons.

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### THE SOLUTION

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