



Nisshin Steel

Award: Safety
Category: Workplace Improvement

Fall prevention equipment from outdoor track

Challenge

In order to make the loading ratio of tracks higher, the height of the products on the track bed became higher also. As a result, the site workers have to do heavy work at a height. This is dangerous and there is a risk of falling.

It is also difficult to keep an escape zone. When the track is loaded with pipe products, almost all of the space on the track bed becomes full. If a mountain of products crumbles, there is no space left to evacuate any staff that has fallen.

Action

The company only owns a few cars, the rest of them are leased. Therefore, it is hard to modify the vehicles.

As per principle we do not countermeasure in the case of a fall, but we design facilities that will not cause equipment to fall.

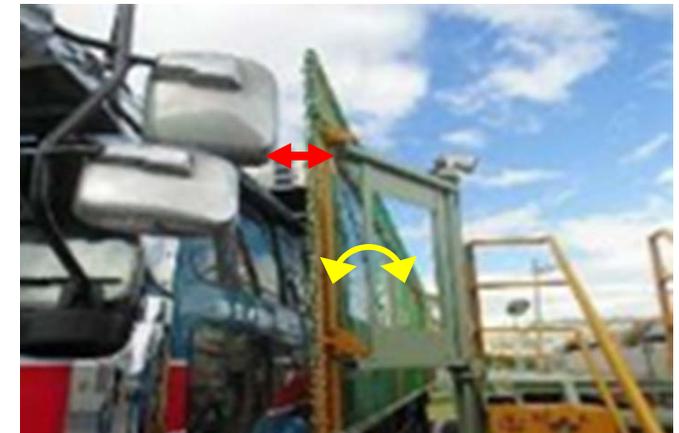
We take simple measures that reduce the burden and efforts on the side of the driver.

The equipment to be installed will be examined according to the circumstances. In a new facility,

the same kind of design will be used.



*Equipment solution 1
A net is fitted closely so a fall from the track bed will cover the gap can be avoided*



By rotating the handle, the net can be moved



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Equipment solution 2

In order to eliminate the gap between the yard and the truck bed, the workbench can be expanded to the truck to fill the gap.



After the car is manoeuvred next to the workbench, the workbench can be widened



The gap is eliminated by an extension.

Outcome

After we introduced this facility, zero accidents have happened. The fall prevention equipment has the effect to increase the safety. The truck driver can now work with an easy mind.

Since this facility can be seen from the roads above the facility, we have received inquiries from other companies in the same industry. Unexpectedly we could therefore advertise the high level of safety awareness at the Amagasaki plant.

