

Effective SAFETY Solutions

WHERE

Company: ALCOA.

Location: PRM SAN CIPRIAN.

Business: PRIMARY.

Contact person: F. VEIGA - D. PERNAS.

THE ISSUE

In the past, the chain storage requires operator to handle it in order to hook it with the overhead crane. This creates basically pinching hazards and ergo related hazards. Operators suffered back and hand injuries while performing this task.

THE SOLUTION (additional level of protection put in place)

Type: (Technical ☒ - Procedures ☐ - Others ☐)

Description of key feature or change versus current conditions:

A simple and easy storing system was designed and implemented. A vertical tube is used to store the chain, but the connection between the chain and the hook of the crane is not able to enter the tube. The operator just need to lead the hook using the handle to connect the chain to the overhead crane.

PICTURES (if applicable) or ADDITIONAL INFO



Figure 1.- Previous condition, ergo and hand injury hazards.



Figure 2.- Current condition.

SAFETY BENEFITS – pros/cons

- Elimination of pinching hazards.
- Elimination reduction of ergo hazards while handling the below the hook lifting device.

IMPLEMENTATION COST (1 k€) AS APPLICABLE