

# Effective SAFETY Solutions

## WHERE

Company: **Alcoa**

Location: **Portovesme**

Business: **Primary**

Contact person: **Massimiliano Orrù - S. Serra**

## THE ISSUE

The fall of billets during the handling by the mean of a fork lift truck is a high risk activity both for frequency and for severity of the consequences. Incidents happened in various locations due to sudden breaking, jolting, bumping.

## THE SOLUTION (additional level of protection put in place)

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

Description of key feature or change versus current conditions:

A couple of mechanical arms moved by pistons connected to the hydraulic circuit of the fork lift truck were requested to [www.atib.com](http://www.atib.com) a supplier of forklift attachments. The system was rapidly designed and implemented with success. After picking up the billets, the fork lift driver pushes the arms against the billets. Then he can move the load in a safer way: the possibility for the billets to fall is quite eliminated.

## PICTURES (if applicable) or ADDITIONAL INFO



The handling of the billet by the mean of the special hydraulic clamp.



The clamp is connected to the hydraulic circuit of the fork lift.

## SAFETY BENEFITS – pros/cons

- The possibility for the billets to roll out of the clamps eliminated
- The possibility for the billet to tilt due to bump, curve, and jolt is eliminated.

**IMPLEMENTATION COST OF 2350 Euro**