

Effective SAFETY Solutions

WHERE

Company: **Alcoa**

Location: **Portovesme**

Business: **Primary**

Contact person: **Lucio Caruso - S. Serra**

THE ISSUE

The pot turnaround exposes the operators of the pot line to a fatality fall hazard for several days. Usually the countermeasure is to put signs and barriers that could not protect people effectively and can interfere with the daily activity around the adjacent pots.

THE SOLUTION (additional level of protection put in place)

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

Description of key feature or change versus current conditions:

Starting from a suggestion coming from the operators it was developed a modular handrail consisting of stainless steel light tubes provided with hooks and rings. The handrail is progressively assembled all around the pot during the butt anodes removal, so providing a solid protection for the operators that run the adjacent pots. When the new pot is in, the hand rail is gradually removed during the new anodes setting.

PICTURES (if applicable) or ADDITIONAL INFO



Pot Line – The handrail in place will protect the stage till the new pot setting



The elements of the handrail are moved in a pallet rack by a fork lift.

SAFETY BENEFITS – pros/cons

- The fall risk during pot turnaround was significantly reduced.

IMPLEMENTATION COST OF 3.000 €