

Effective SAFETY Solutions

WHERE

Company: ALCOA

Location: PRM SAN CIPRIAN

Business: PRIMARY

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THE ISSUE

Short tasks are usually the most dangerous ones from the prevention point of view, people tends to hesitate applying more time to safety countermeasures than performing the task indeed. This was the case of pit inspection. Performing the task was a 2 minutes thing and performing it safely was a 30 minutes task.

THE SOLUTION (additional level of protection put in place)

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

Description of key feature or change versus current conditions:

To eliminate unsafe work incentives, a machine (customized mobile equipment) was designed and built to perform this operation. This equipment provides collective protection while performing the task. It also provides power that can be used to connect portable lights or tools and use them to perform inspection tasks, in the past large extension cords were needed.

PICTURES (if applicable) or ADDITIONAL INFO



Figure 1. Flue wall inspection machine.



Figure 2. Safety device detail.

SAFETY BENEFITS – pros/cons

- Provides collective fall protection for inspective baking oven pits.
- User friendly and no fall protection PPEs needed.
- Low speed and safety device to prevent pedestrian - mobile equipment interaction hazards.
- Limit extension cords use to provide power.



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IMPLEMENTATION COST (k€) AS APPLICABLE
