

Effective SAFETY Solutions

WHERE

Company: Alcoa

Location: ALCOA-KÖFÉM Kft

Business: Primary

Contact person: Zoltán Szántó maintenance

THE ISSUE

During the draining of holding furnace the risk of different level fall/fall in exists because the bottom block table moves down the pit and the risk of stepping into the molten metal into the drain-pan exists.

THE SOLUTION (additional level of protection put in place)

Type: (Technical - Procedures - Others)

Description of key feature or change versus current conditions:

A handrail that fits to the water-inlet was designed to the casting pit (applicable at all casting stations at billet casting part). The design is such that the door opens from inside to outward. A to be removed drain-pan opens the door and the drain-pan can be kept 200 mm above the floor. The door does not open in the direction of the pit (inward).

PICTURES (if applicable) or ADDITIONAL INFO



Figure 1 handrail



Figure 2 Application of the handrail

SAFETY BENEFITS – pros/cons

- ✓ Physical obstacle against falling into the casting pit
- ✓ Physical obstacle against step into the discharged hot metal

IMPLEMENTATION COST OF 1000 € AS APPLICABLE