

### Applicable to

Site Managers and supervisors at all Sector Energy construction sites, manufacturing locations, service hubs, outages.

### Purpose

This safety alert is to emphasize the urgent need

- to share relevant information related to the below described fatal incident
- to follow pre-cautions associated with operation of mobile equipment and related hazards
- to re-enforce this topic in safety induction meetings, tool box talks and associated with safety observations to prevent reoccurrence.

### Incident

At an Energy construction site located in the Kingdom of Saudi Arabia, on March 22<sup>nd</sup> 2014, a worker of an Energy civil contractor was sitting on the ground in front of a heavy Roller Compactor. This heavy machinery is utilized for compacting soil after backfilling and levelling. When another operator moved this vehicle forward he smashed the worker sitting in front of the front roller. The victim passed away on the spot.



Photograph shows Roller Compactors at incident scene

### Root Causes Analysis

An investigation is ongoing. The reason for the incident is not clear yet. However, we need to emphasize the importance to obey the safety rules which are already in place.

### Immediated action(s) required:

1. Prior to start moving any mobile equipment/vehicle (e. g. lorry, roller, excavation machinery etc.) the responsible operator must insure that the working area around and below this machinery is free from "man and material": there must be nobody inside the operating radius. It is strictly forbidden to move any equipment without a clear sight or without assuring oneself that the area is clear. Otherwise a

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rigger or banksmen must ensure the clearance of the working area.

2. In all safety induction trainings Site managers, Supervisors, Safety Officers and other responsible EHS personnel shall highlight the clear site instruction that no personnel is allowed to stay in close proximity to mobile equipment or under suspended loads while it is operating.
3. It is not allowed to any person to stay/rest in front, behind, underneath or, besides any mobile and moving equipment. It is regardless whether the equipment is in service or stationary respectively parked at the storage area at site.
4. Furthermore, it is important that sound warning indicators are in place before a heavy load mobile equipment is moving backward. The availability shall be confirmed during safety site walks.
5. The mandatory permit to work license must be obtained by the operator.

## **Training of Siemens Personnel and Contractors**

1. All Siemens site personnel and contractors personnel must receive updated safety training on required safety policies, procedures and instructions, to ensure complete knowledge and qualifications for performing work safely, including advanced safety training at certain levels.
2. Aforementioned relevant issues must be part of the daily tool box talks for laborers drivers/operators of the contractor staff.

## **Implementation**

Project and Site Management are responsible to ensure the implementation of the actions defined in this Safety Alert on or before April 30<sup>th</sup>, 2014.

## **Attachment to this Safety Alert**

Sector Energy Guideline for mobile equipment and pedestrian safety



Mobile Equipment and Pedestrian Safety.pdf