

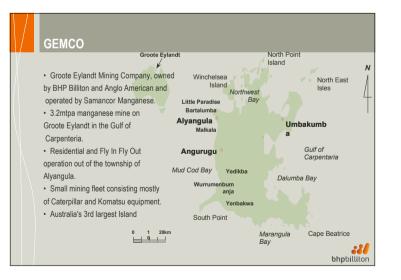
## Working at Heights on Mobile Equipment

#### VISION:

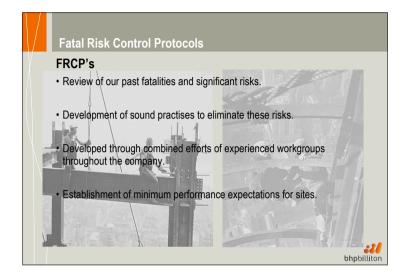
- Provide others with key learnings.
- Keep the process and equipment simple.
- Learn from others.
- Adopt best practice.
- Cost effective.
- Help many sites out and reduce incidents in their workplaces.

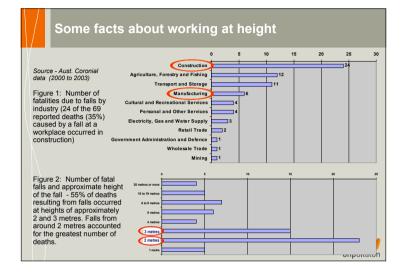
"In our organisation all Leaders and Managers have an obligation to implement initiatives that work towards BHPB goal of "ZERO Harm".

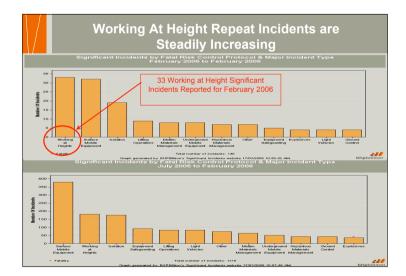




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## Aim

#### The main focus areas of this project are as follows:

- · 3 points of contact on stairways.
- · Stair type access / egress as opposed to ladders.
- Initiatives to eliminate or reduce the need for maintenance in working at heights type situations.
- Provide machines to aid in safety while working at heights (boom lifts, sizzor lifts).
- Scaffolding for major works.
- · Handrails and hard barriers around work areas.

#### nitiatives

## Custom made stands for special applications:

- Mobile equipment comes in many shapes and sizes.
- These stands allow for the safe access and egress of machinery to conduct maintenance tasks.
- 3 points of contact at all times is possible.
- · Fitted with brakes to eliminate movement while in use.
- · Anti slip surface fitted to stairs.
- < \$5000AUD to make.</p>



## Initiatives

## Lighting on equipment (LED) where possible:

- Use of LED's as opposed to globes, greatly reduces the need for maintenance in these areas.
- $\ensuremath{\cdot}$  Working with Hella to come up with best set up.
- Reduced maintenance resulting in less exposure to risk and reduced downtime on the machine.



## Initiatives

## Access steps as opposed to ladders:

- Promotion of 3 points of contact.
- · Safer method of access / egress.
- · Ladder system folds out of the way when operating.
- Reasonably high cost to install.
- · Low maintenance and good working life.



## Initiative

•GEMCO D11's have people access the cabin area at least 28 times a shift.

- •56 times a day.
- •392 times a week.
- •20,384 times a year.



### nitiatives

#### Working at heights structures on dozer bonnets:

- Point to attach harness from both top and bottom levels.
- · Also acts as a handrail when working on the bonnet of the dozer.
- Assists operators when cleaning their windows and conducting pre start checks on the dozer.
- Approximately \$10,000AUD per unit.



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## Initiatives

## Use of scaffolding.

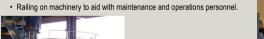
- Scaffolding can be custom made to suit the tradesman and the particular job.
- GEMCO has employed a full time scaffolding team to erect scaffolding around site and town.
- Useful for major maintenance tasks where machinery will be in the workshop for long periods of time.
- Major issues are availability of scaffolders.



# Initiatives

## Hard barrier railing:

- Fitting of hard barriers wherever possible.
- Aluminium railing on road train pits for easy removal when necessary.



## Initiatives

## Use of boom and sizzor lifts:

- · Aid in safe work in field breakdown situations.
- Allows for quicker and safer work.
- · Eliminates the need for manual handling of platforms.
- · High initial cost but fast payback compared to hire option.
- · Very versatile and offers massive time savings on tasks compared to scaffold etc.



#### Conclusion

#### Vision:

"Formulate a package of ideas, whereby people from within the industry can use these ideas to implement at their site and make it a safer and easier place for their employees and contracting partners to work."

#### Desired outcome:

- Highlight awareness of a major problem within the industry.
- Knowledge sharing
- Ability for me to network and gain ideas from others.
- Take advantage of continuous improvement initiatives and apply replication.
- A happy and safe workforce.



