

Man Riding: Lifting The Standard

At Height Safety

- Minimize at height operations
- Reduce the number of suspended objects
- Identify and control the risks for the chosen method of operation
 - Scaffolding
 - Rope Access
 - Man Riding
 - ┌ Ladder Climbing
 - ┌ Permanent Walkways
 - ┌ Stairwells and Ladders

Solving the right problem

- Slack Wire Detection
- Lower Capacity Hoists
- Permits to Work
- Training
- Harmonization of Signalling Methods
- Risk Awareness Training
- Best Practices Documents

Solving the right problem

- UK HSE Lifting Incident Review

More alarming though are the incidents occurring during manriding operation, where on several occasions there appears to be a lack of communication between the winch operator and the derrickhand undertaking the manriding task.

LACK OF COMMUNICATION

The operator, for whatever reason does not verify that the derrickhand is ready to be hoisted and that it is safe to proceed before starting the winch. Most commonly the derrickhand is pulled into various parts of the derrick, i.e. monkey board, sustaining an injury in the process.

LACK OF RESPONSIBILITY

Due to the height above the drill floor of some of these operations and the noisy atmosphere, vertical communication between the two parties is difficult, however since the person in the riding belt has very little control over the winch, if any, their safety is entirely in the hands of the winch operator.

LACK OF CONTROL

Solving the right Problem

- **Communication**
 - Provide direct, uninterrupted, reliable communication.
- **Responsibility**
 - Passenger is the most responsible
- **Control**
 - Provide control to the person at risk.

Control and Communication

- Local Control - Unacceptable
- Extended Floor Level Pendants
 - Ingersoll Rand
- Radio Emergency Stop
 - Airdyne, Red Rooster
- Radio Passenger Control
 - ┆ Remtron, Tractel, Hydralift, etc...
- Direct Passenger Control
 - ┆ Saferider (Patented)

Radio Control

- Nobles Article:
 - “Radio Communication is not allowed due to the risk of failure and the tendency of personnel to rely on it too heavily”
 - Tacit acceptance that radio is unacceptable.
- BS 6657 - RF Ignition of Explosives
- Can be fitted to most hoists.
- Transmitter can be dropped, broken, interfere with other radio controlled equipment.
- Reliability?
- Expensive.

Direct Control (EM Cable)

- Direct and reliable connection, uses 80 year old oilfield technology.
- Integral load bearing control pendant.
- Simple device with no interference, cable length or hazardous area issues.
- Can be retrofitted to existing hoists.
- Inexpensive.
- Patents Pending
- Award Winning
 - ┆ Shell UK Safety Exchange, Livewire

The Saferider

- Four years in development
- Uses EM cable
- Retrofit Friendly
- Patents Pending
- Award Winning
- Australian Innovation



SafeRider

Passenger Controlled Hoists

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