



# WINCHES DAY OF LEARNING

## INDUSTRY SAFETY STATISTICS

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15 September 2022, Silverstar Casino



**MINERALS COUNCIL**  
SOUTH AFRICA



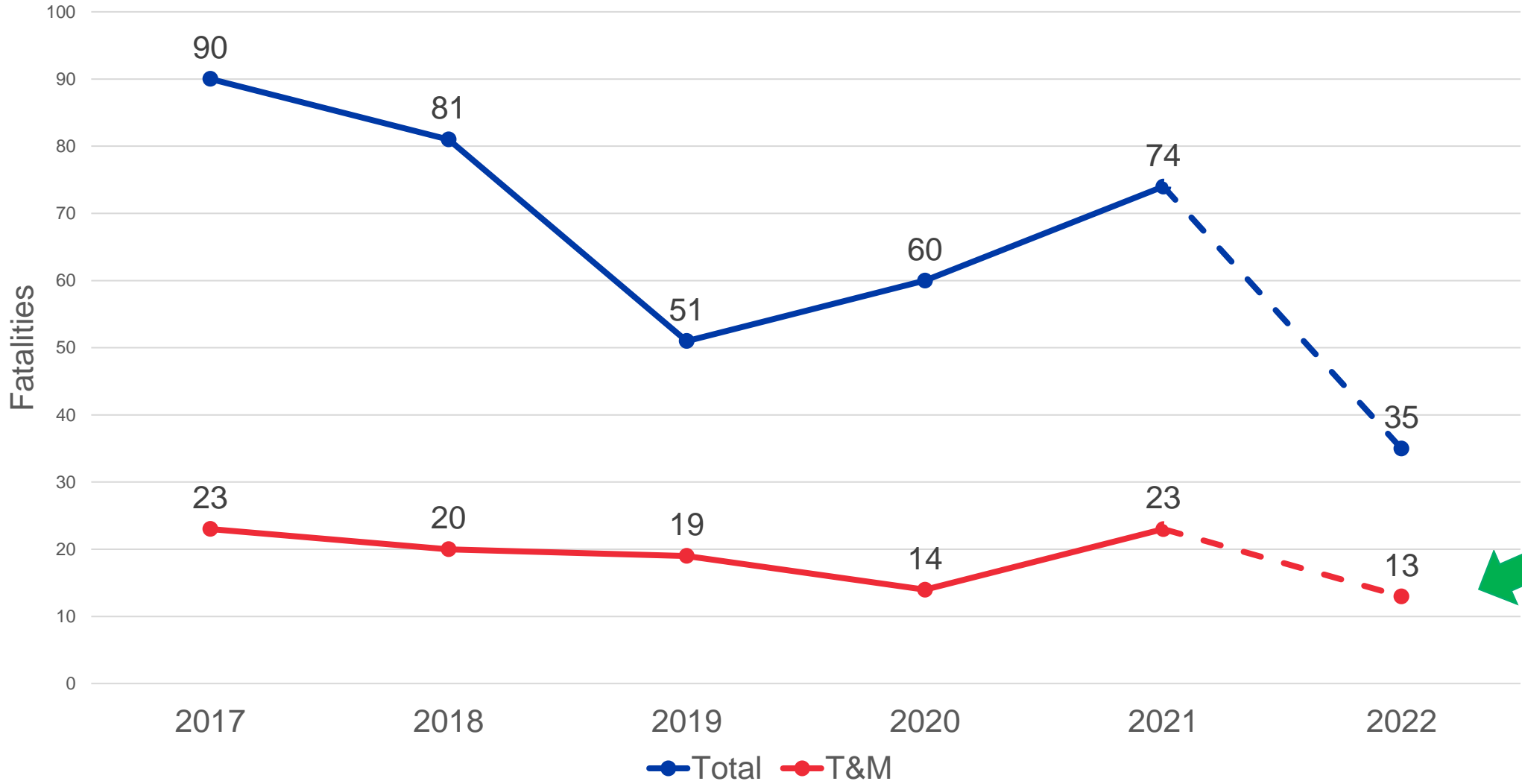
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# Transportation & Machinery Fatalities

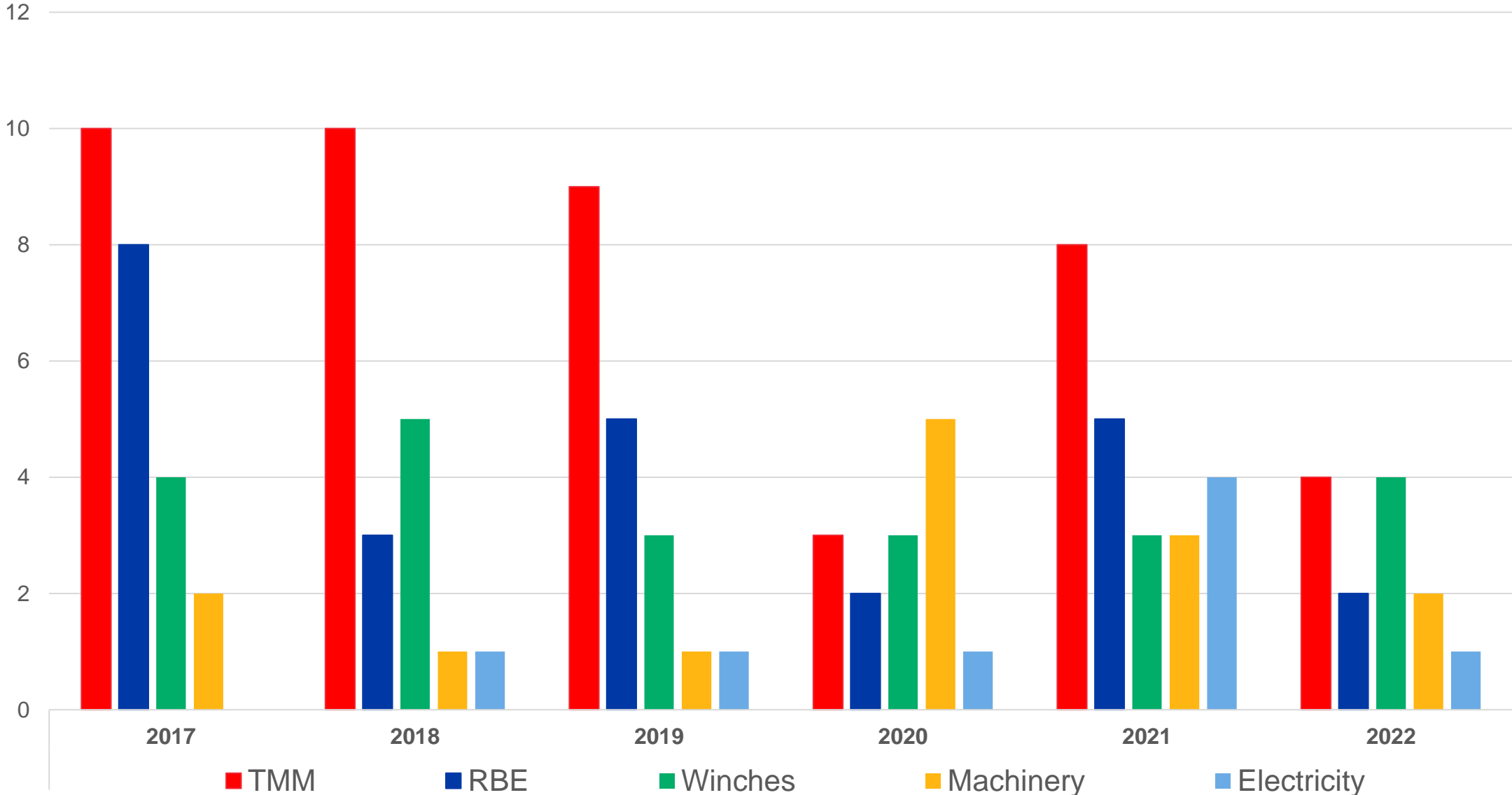
### T&M Fatality Stats



- 1 x Machinery (Chairlift)
- 3 x RBE
- 4 x Winches
- 1 x Electricity
- 4 x TMM

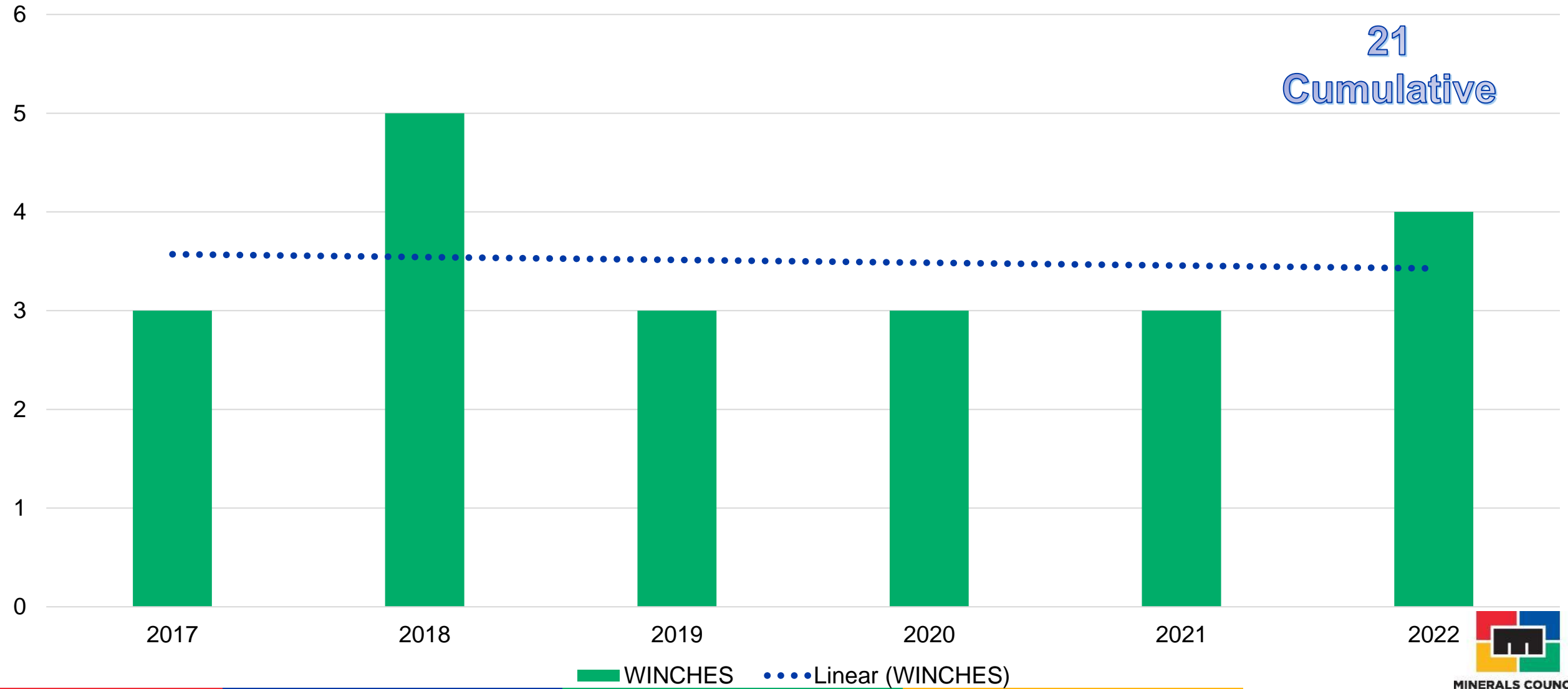


# T&M Fatalities Agency Trends



# Winches Fatality Trend

## Total WINCHES Fatality Trend

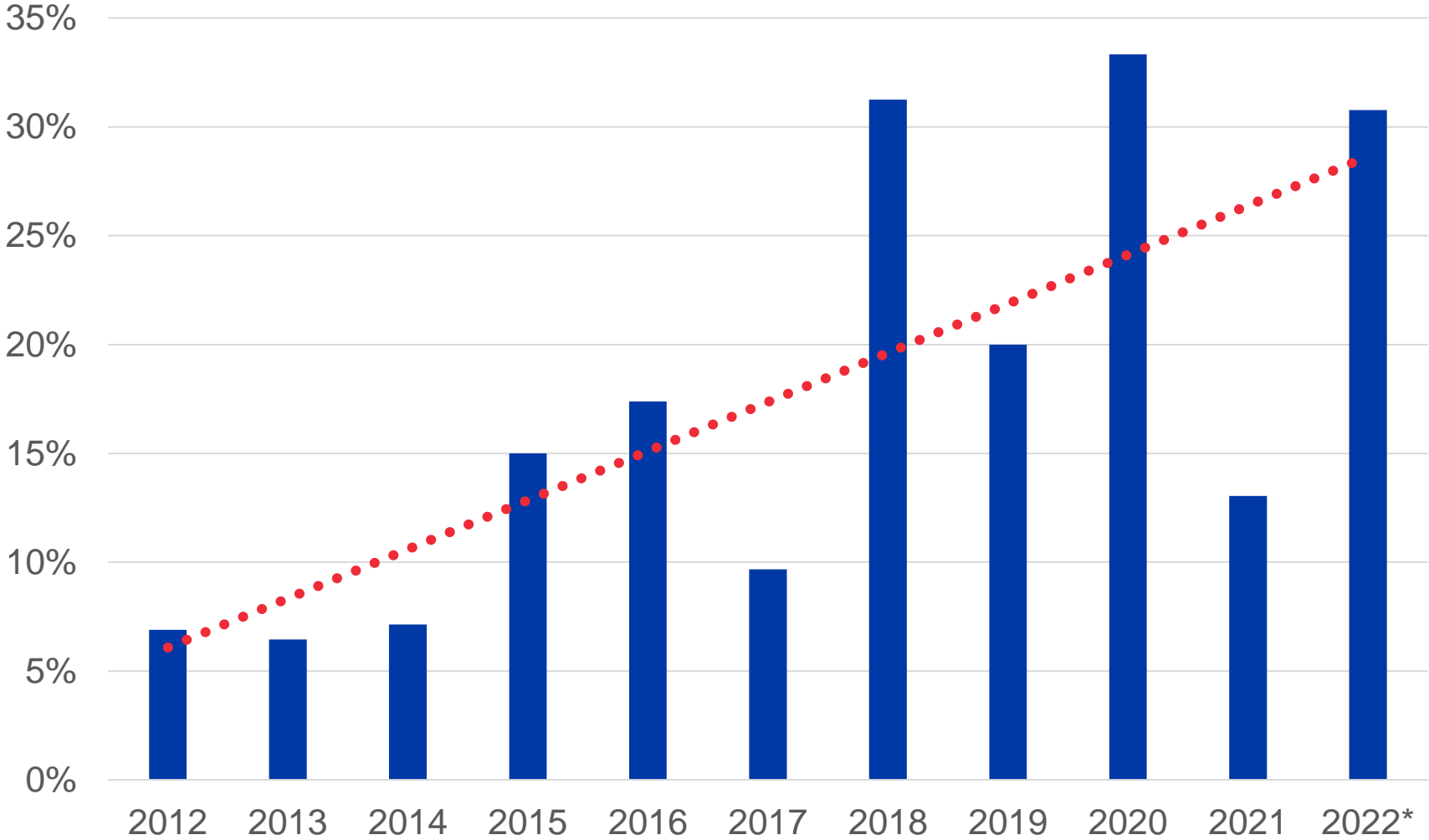


21  
Cumulative

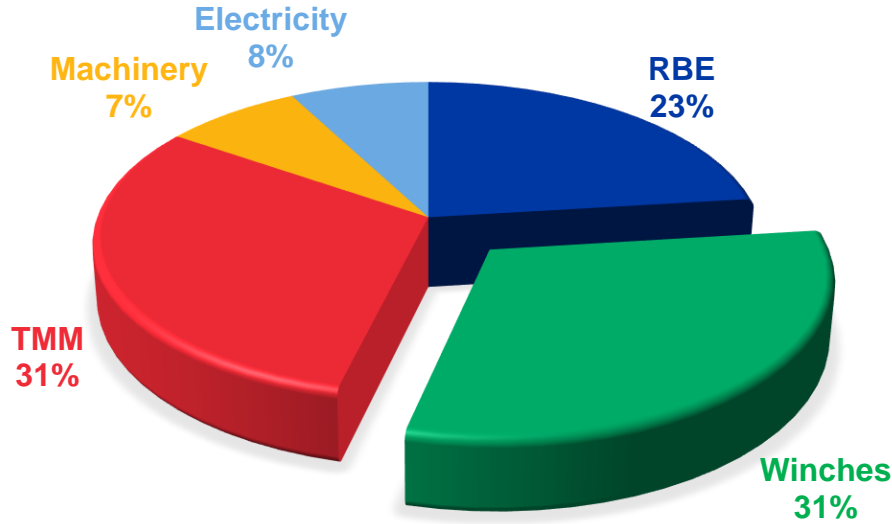
WINCHES Linear (WINCHES)

# Winches Fatality Trends

Winches Fatalities as a % of Transportation & Mining

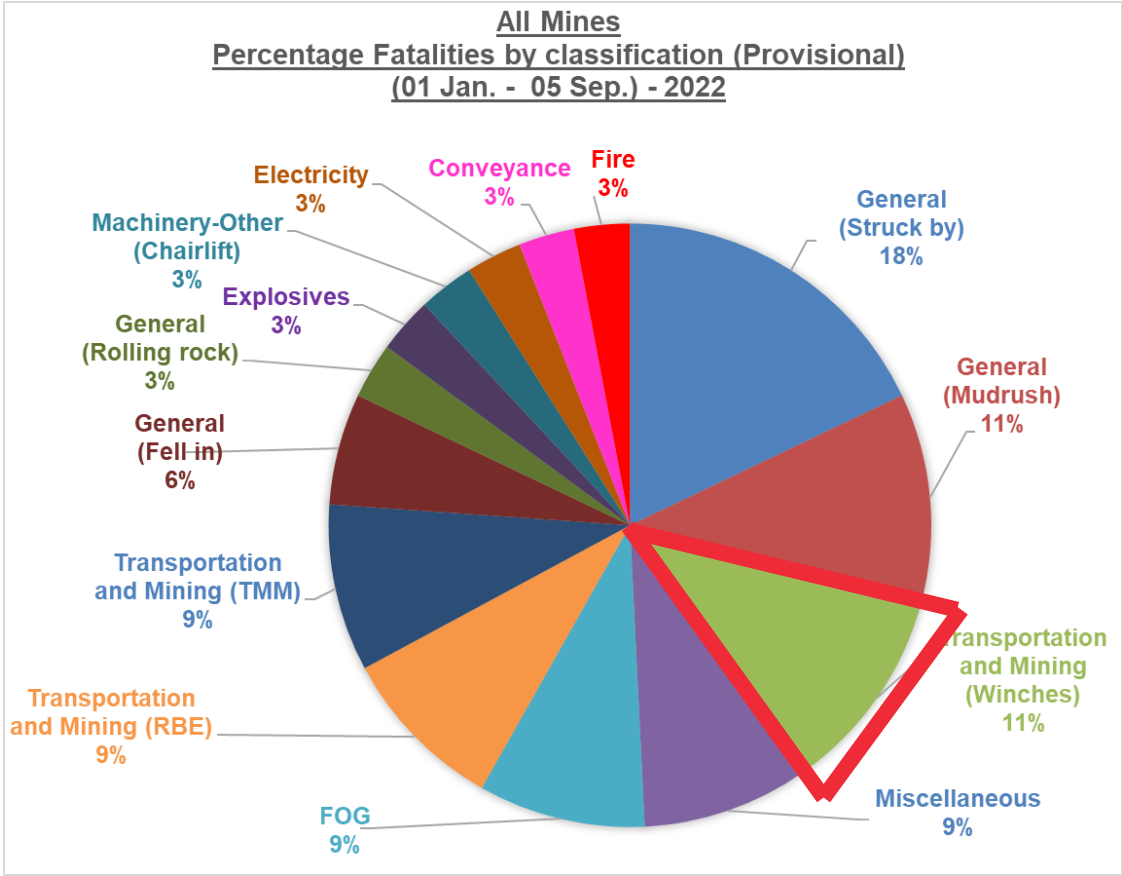
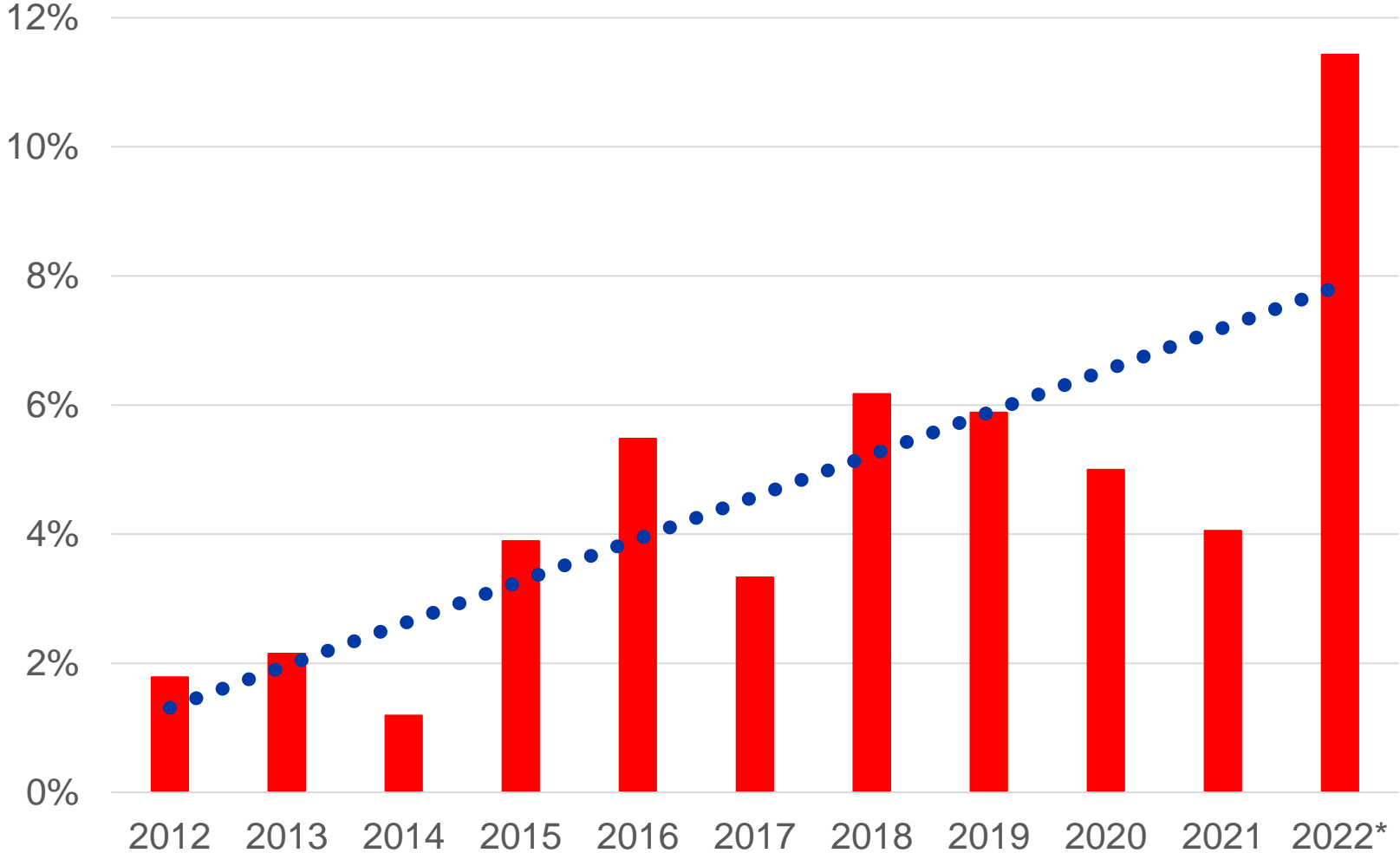


2022 T&M FATALITIES



# Winches Fatality Trends cont....

Winches Fatalities as a % of All fatalities





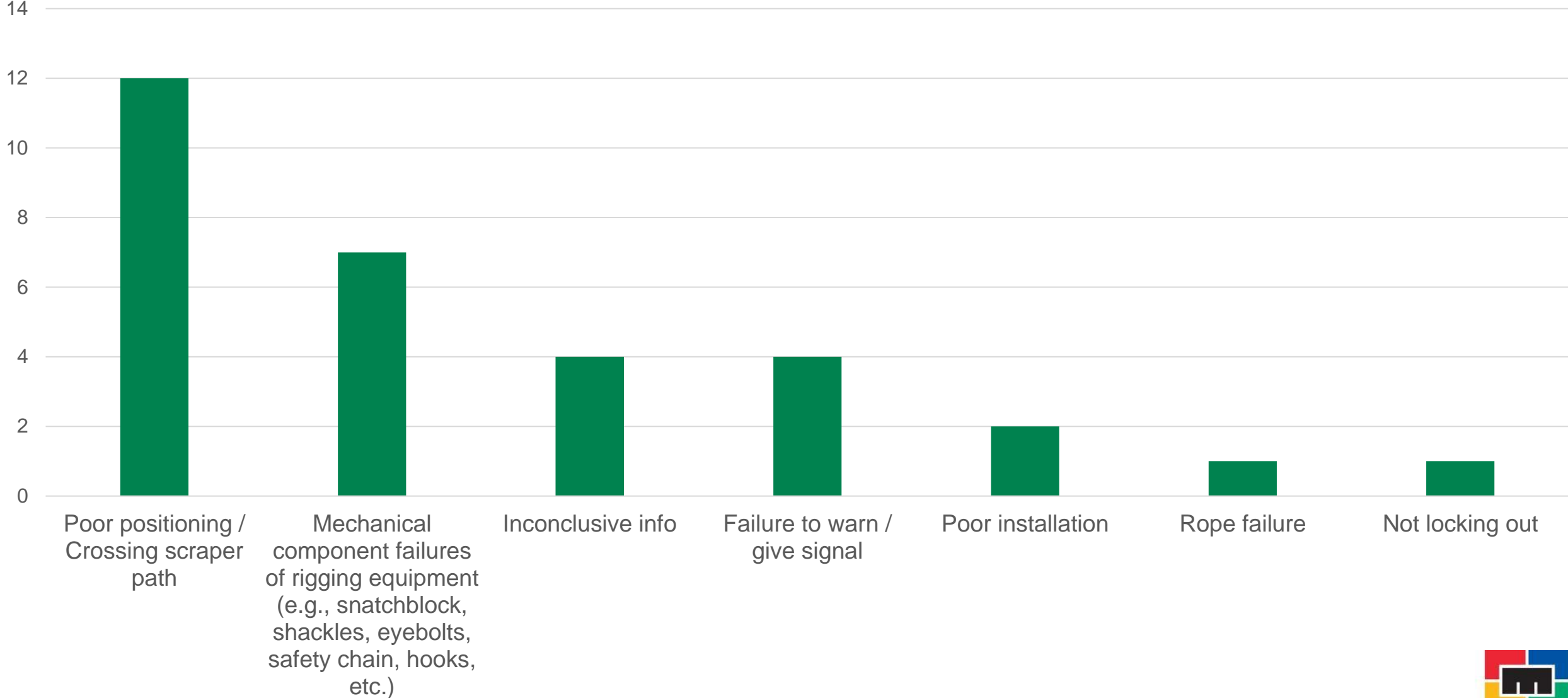
# WINCHES FATALITY CONTRIBUTING FACTORS ANALYSIS





# Winches- Fatality Contributing Factors

FATALITY ANALYSIS CONTRIBUTING FACTORS (2018 – 2022)

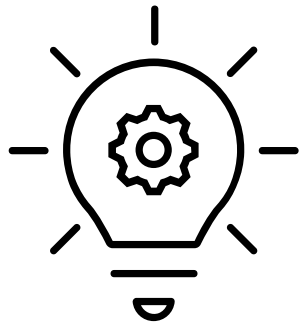


# Fatality Analysis- Observations / Recommendations

(1) Warning devices along the entire length of the winch installation such as electronic winch signaling devices.

(2) Winch proximity detection systems for automatic stopping of winches when persons enter the scraper path.

(3) More rigorous inspection protocols for the winch installation and associated rigging equipment (ropes, snatchblocks, shackles, eyebolts, chains, etc.).





**Thank you!**

**[www.mosh.co.za/transport-and-machinery/](http://www.mosh.co.za/transport-and-machinery/)**