



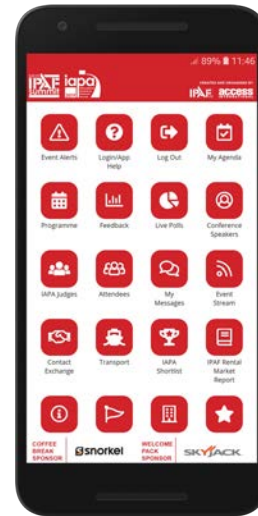
Using Telematics to improve MEWP safety

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Using telematics to improve MEWP safety



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Using telematics to improve MEWP safety

What is Telematics?

Collect vehicle, driver & environmental data
and then use the data to optimize fleet operations



1. Collect 2. Upload 3 Process

Capabilities

- Increased uptime
- Monitor operating hours, fuel consumption, battery charge
 - Fault alerts
- Calibrate machine settings
- Remote diagnostics
 - Geofence
 - Curfew times
- Time on site Utilisation

Consider Safety First



What opportunities to improve safety?

What are the risks?

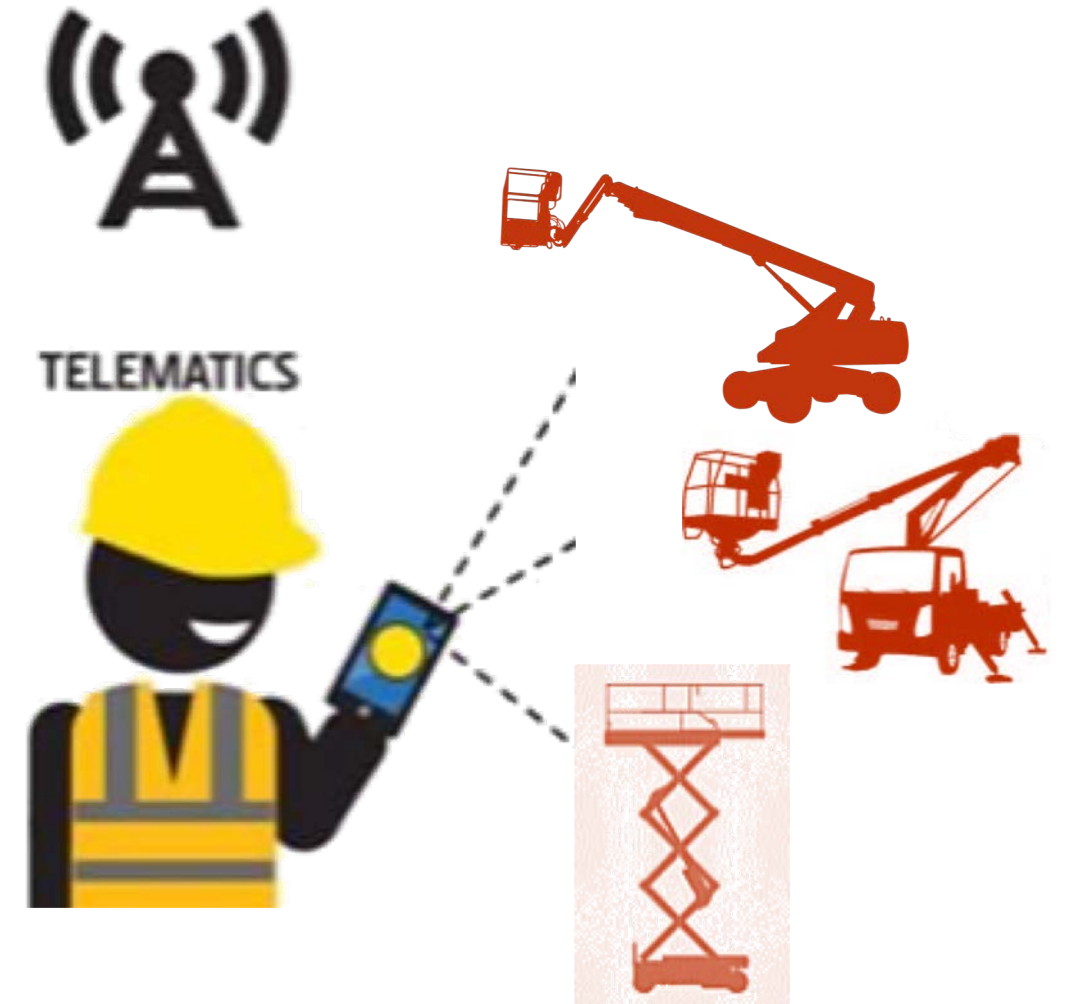
Is there sufficient guidance?

How are users informed?

Technology is well known

Regulations

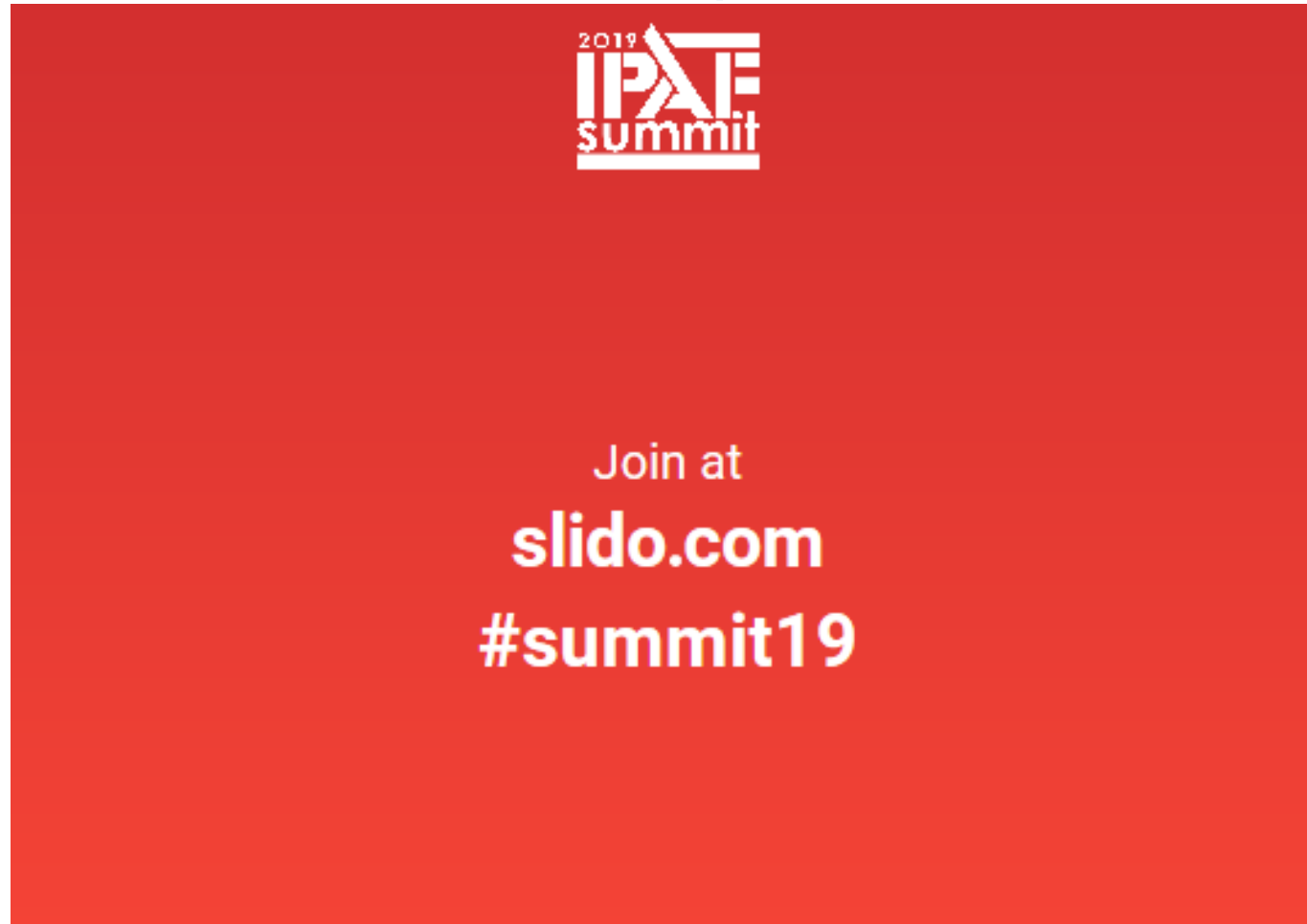
- ISO 15143-3 Earthmoving machinery
Worksite data exchange
AEMP – Association Equipment Management
Professionals
- Europe Machinery Directive 2006/42 CE
Essential Health & Safety Requirements



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What are the challenges with using Telematics for remote operation?



Lets consider these situations...

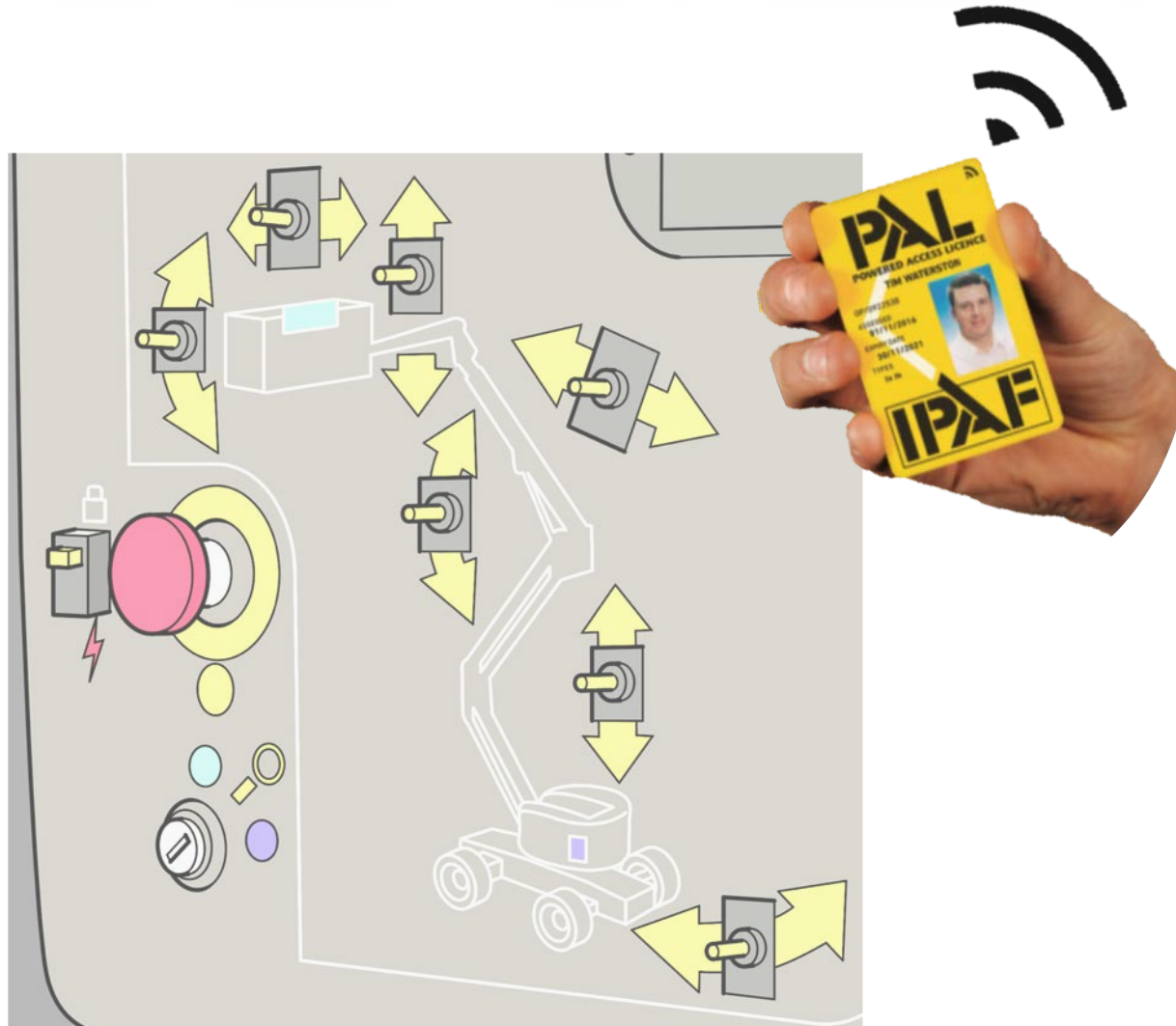


Remote Shutdown

What are the risks?
What guidelines are public?
Who is informed?



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Operator access
Prevent unauthorised use



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Stranded at height



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Environment

- Noise limits
- Curfews
- Emission controls

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Accident investigation



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Site management
with
Geo Fencing data

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Too much data?

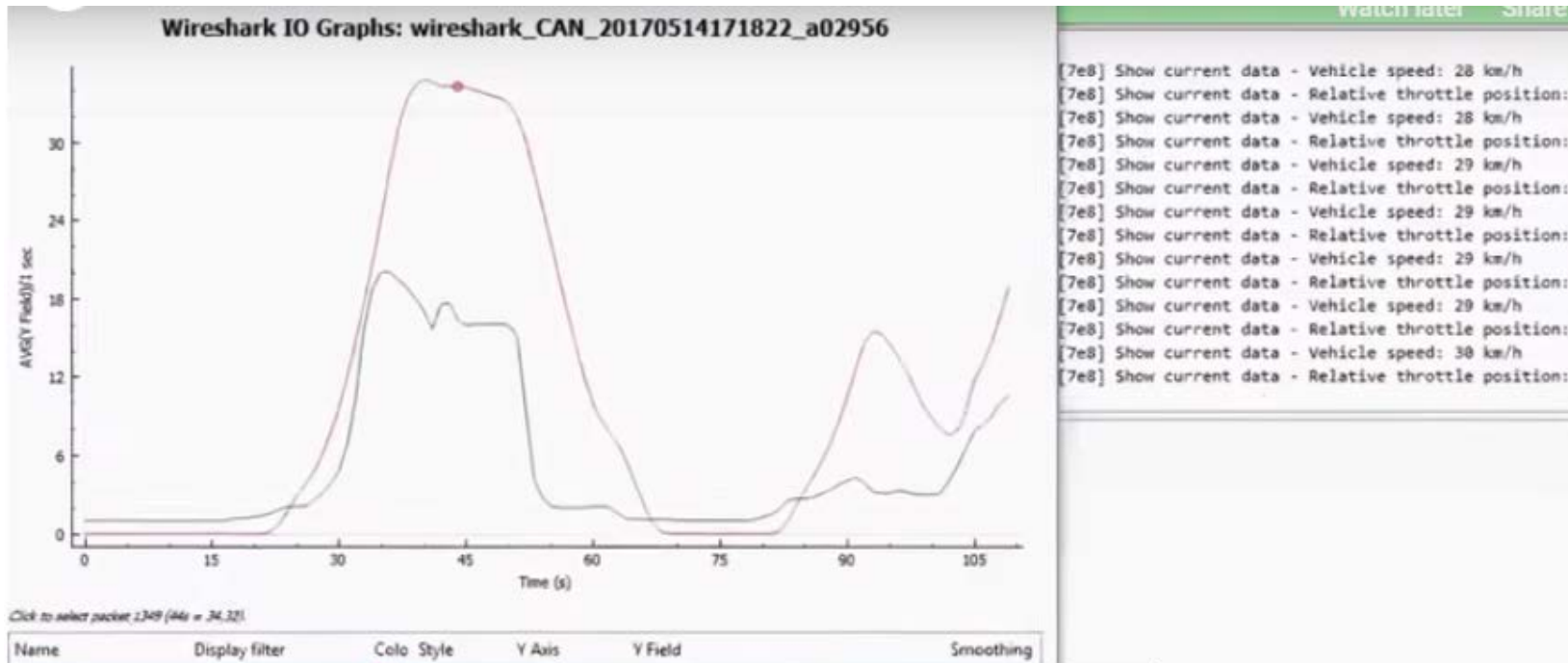


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Privacy of Data

1. Collect 2. Upload. 3 Process 4. Inform?



If telematics identifies unsafe work practices?

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Who owns the data?

Manufacturer

Owner

Safety data to be shared

All data is free



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Telematics systems and
Remote Operations
Provide enhanced safety
Capabilities need to be
understood

Thank-you



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