



Guardian Angel: An introduction to smart braking technology for livestock truck drivers



■ What we'll cover:

Why?



What?



How?



Hard truths in livestock transport

Livestock transport presents significantly greater challenges than linehaul, due to factors such as:

- Animal handling and welfare
- Managing Dynamic loads
- Navigating regional and remote areas
- Dealing with road quality which can range from poor to worse

Our drivers are professionals, but they're also human.

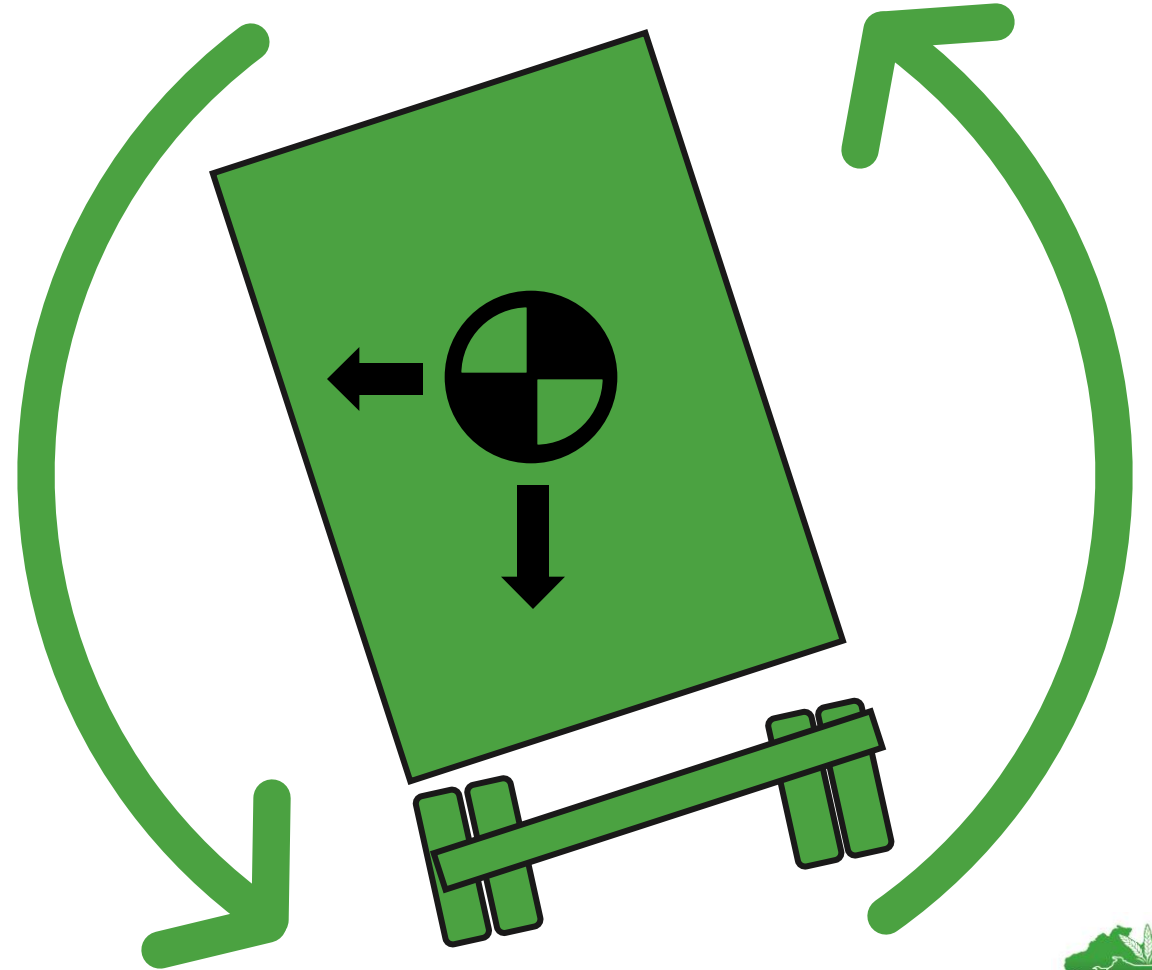


S V U R O

Single Vehicle Untripped RollOver

- The leading crash type in livestock transport
- Drivers involved are neither young
- Nor are they inexperienced
- But they are at very real risk of being killed.

The person most likely to ruin your day is....you.



ABS

Anti-lock Braking System

What does it do?

- Reduce wheel lock-up

How does it work?

- Monitor wheel speed and modulate braking for groups of wheel ends

Why should I want it?

- Directional stability under brakes
- Avoiding flat-spotted tyres
- Reduced stopping distance



EBS

Electronic Braking System

What does it do?

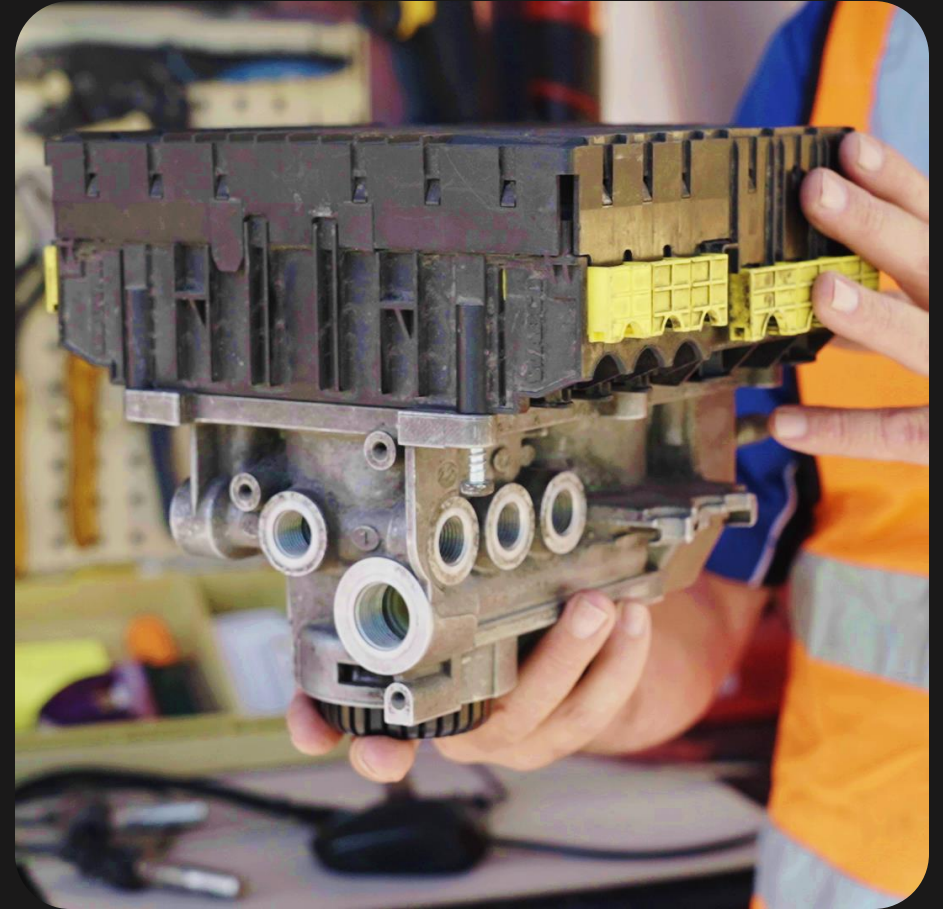
- Faster brake response

How does it work?

- Adding an electronic brake signal in addition to the pneumatic one

Why should I want it?

- Faster brake response
- All brakes apply as one
- Shorter stopping distances
- Support further smart braking features



ESC – Electronic Stability Control

What does it do?

- Detect and respond to potential roll-over events

How does it work?

- Sense high G force and wheel-lift events, apply brakes on laden side to stabilise combination

Why should I want it?

- Save truck drivers' lives
- Reduce road wear to rear-view mirrors



To make it work:

Fitted



WABCO TRAILER EBS-E GGVSIADR TUEH TB 2007 - 019.0X

MANUFACTURER: Kennedy
 TYPE: 3 Axle Semi
 VEHICLE IDENT. NUMBER: 6D9KEN00GB029519
 WABCO SYSTEM: ABS50716S
 ABS SYSTEM: 2S/2M

Pin	Pin1	Pin3	Pin4
1	---	---	---
2	---	---	---
3	---	---	---
4	---	---	---
5	DIAG	DIAG	DIAG
6	---	---	---
7	---	---	---

AXLE	1	2	3	4	5	TR (daN)							
1	1490	0.4	3.2	7500	3.7	0.3	1.5	---	24 / 30	75	152	584	3312
2	1490	0.4	3.2	7500	3.7	0.3	1.5	---	24 / 30	75	152	584	3312
3	1490	0.4	3.2	7500	3.7	0.3	1.5	---	24 / 30	75	152	584	3312
4	0	---	---	0	---	---	---	---	---	---	---	---	---
5	0	---	---	0	---	---	---	---	---	---	---	---	---

Plugged in



Error free



It's normal to have concerns



I don't like how
it drives



I don't like
being watched



I don't want to
be stranded

Moving forward

What we're doing in our business?

How we'll know if it's working?

How and when we'll communicate?

Who you can talk to with questions?

Q&A



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