

WheelRight®
vehicle inspection technology

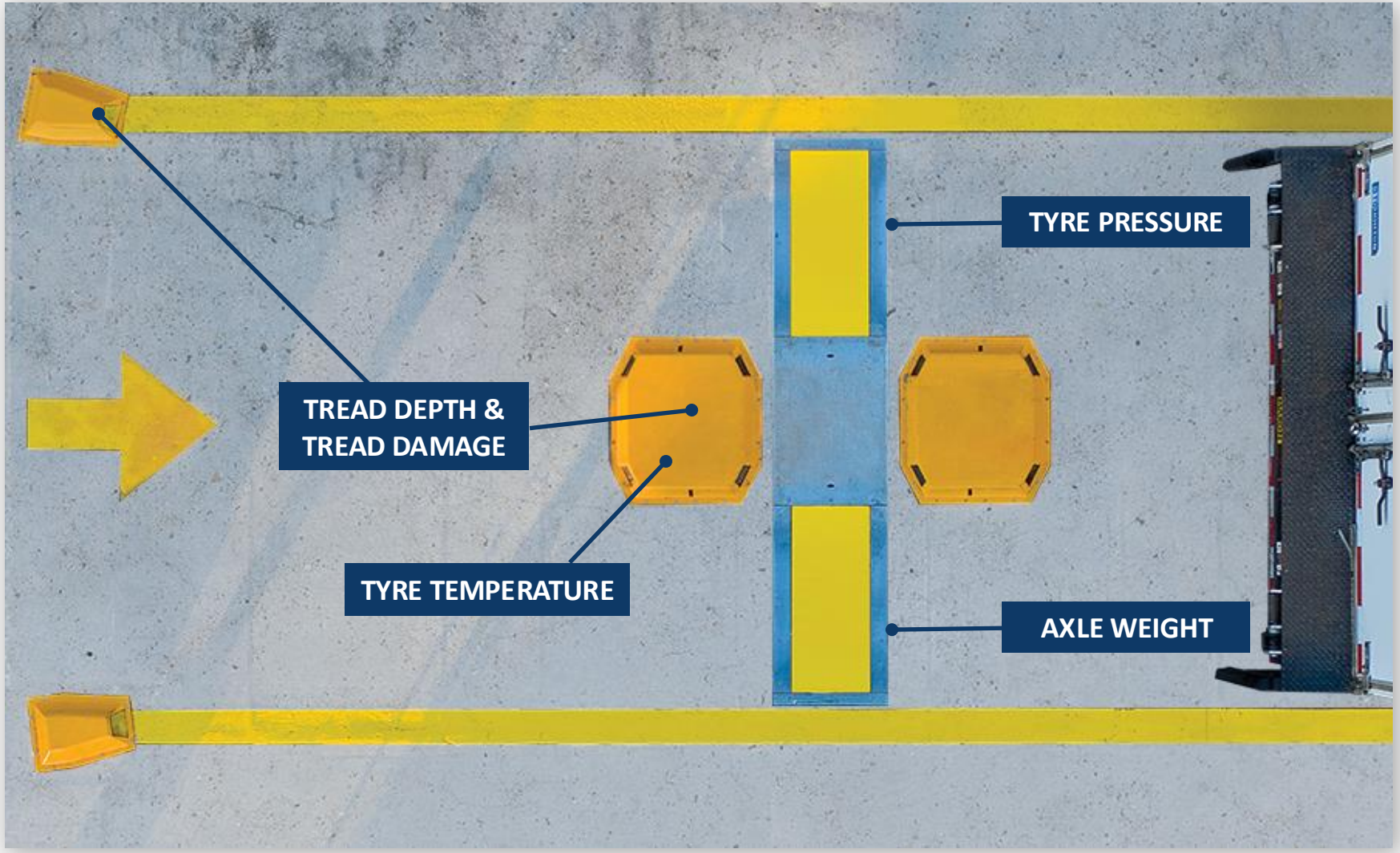
Firehawk technologies

#TakeTheLane

SYSTEM DESIGN & FEATURES

July 2025

SYSTEM LAYOUT



✓ Capturing metrics that matter.

TECHNOLOGIES

- Tyre Pressure
- Tread Depth
- Tread Damage
- Weight-in-Motion
- Tyre Temperature

FEATURES

- Cloud-based
- Immediate Alerts
- Portal Dashboard
- Unique Fleet settings
- Customised reporting
- Integration to 3rd party software
- Post deployment support

SYSTEM SOLUTIONS

✓ Bus & Coaches



✓ Heavy Goods Vehicles





✓ Passenger Vehicles



✓ Light Commercial Vehicle – Mobile Station

IMAGES CAPTURED

VEHICLE ID CAMERAS

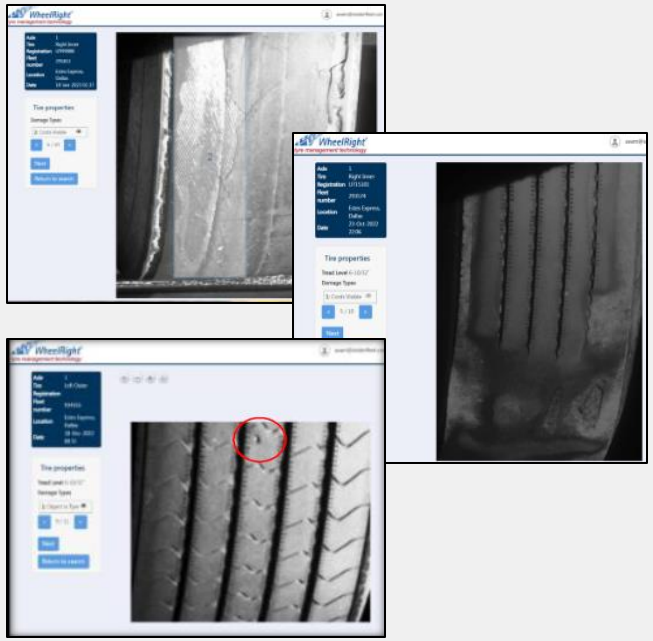
Captures licence plates & fleet unit numbers





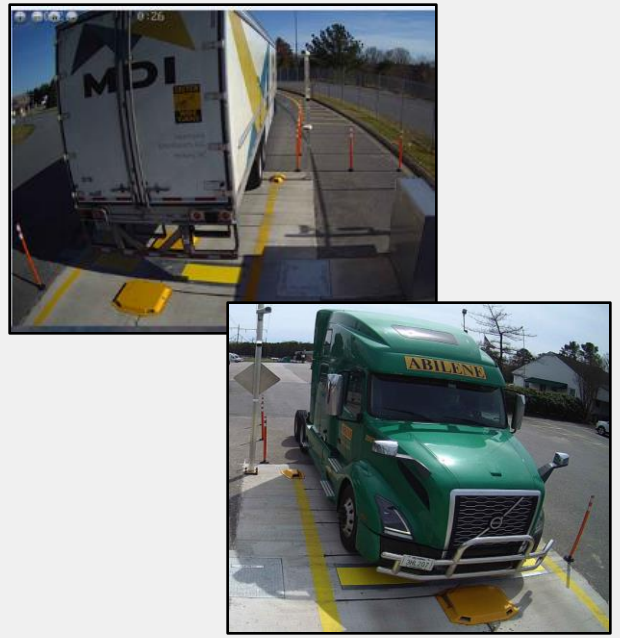
TREAD CAMERAS

Captures 10 images over 270° per tyre



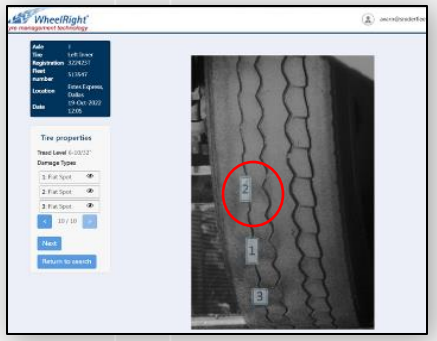
CCTV CAMERAS

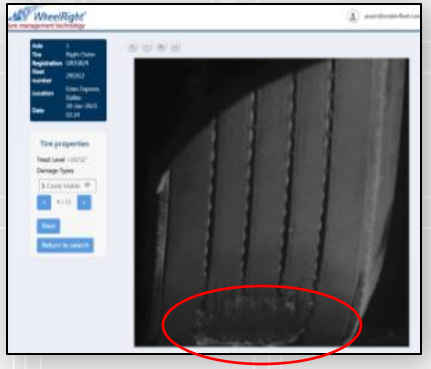
Captures front/back of vehicle

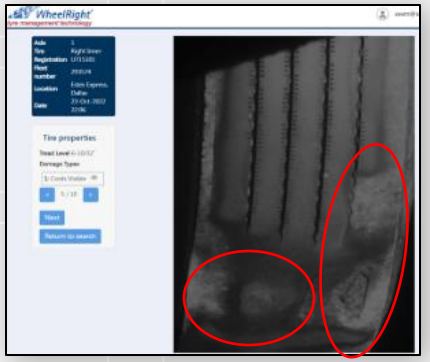


TREAD DAMAGE



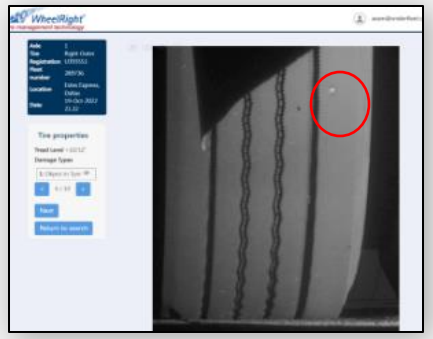


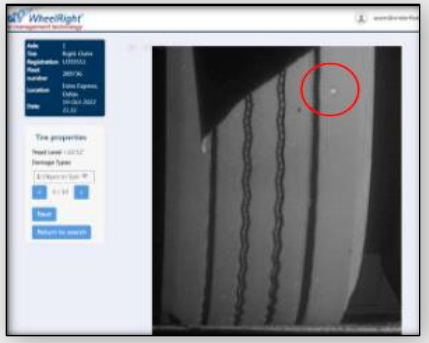


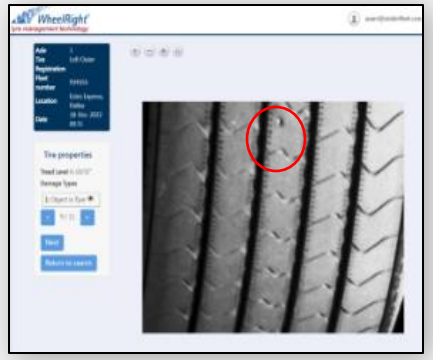


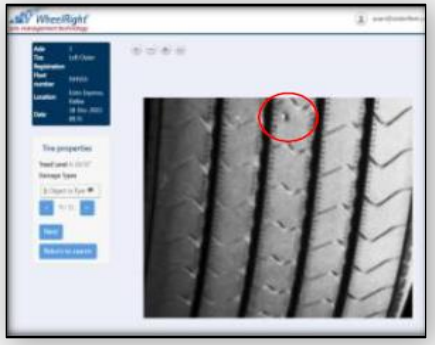
TYPES OF DAMAGE

- ✓ Object in Tyre
- ✓ Balding
- ✓ Flat Spot
- ✓ Cords Showing
- ✓ Chunking
- ✓ Irregular Wear
- ✓ Cuts









WheelRight®
vehicle inspection technology

ACTIONABLE DATA



INSTANT REAL TIME REPORTS & ALERTS

- ✓ Instant Portal Summary Reports

DriveOver results ⤢ Full screen Connected Refresh Older N

Date / Time	Site	Registration	Fleet number	Pressure status	Tread status	Results	Images
03/25/2022 00:43:25	ABF Freight, Dayton	BK8383	554651	Green	Green		
03/25/2022 00:43:25	ABF Freight, Dayton	5429JT	72433	Green	Green		
03/25/2022 00:43:25	ABF Freight, Dayton	3600FI	85367	Green	Amber		
03/25/2022 00:43:25	ABF Freight, Dayton	3DC397	19194	Green	Amber		
03/25/2022 00:41:56	ABF Freight, Dayton	CA9213	554447	Green	Green		
03/25/2022 00:41:56	ABF Freight, Dayton	AE6422	72276	Green	Amber		
03/25/2022 00:41:56	ABF Freight, Dayton	9927JD	553087	Green	Green		

- ✓ Instant Email Alerts for Urgent Tread & Air Pressure Issues



PERFORMANCE REPORTS & ANALYTICS

WheelRight®

WheelRight® tyre management technology

Tyre inspection report, ABF Freight, Dayton, 08/18/2021 (vehicles seen since 08/17/2021) — 08/18/2021

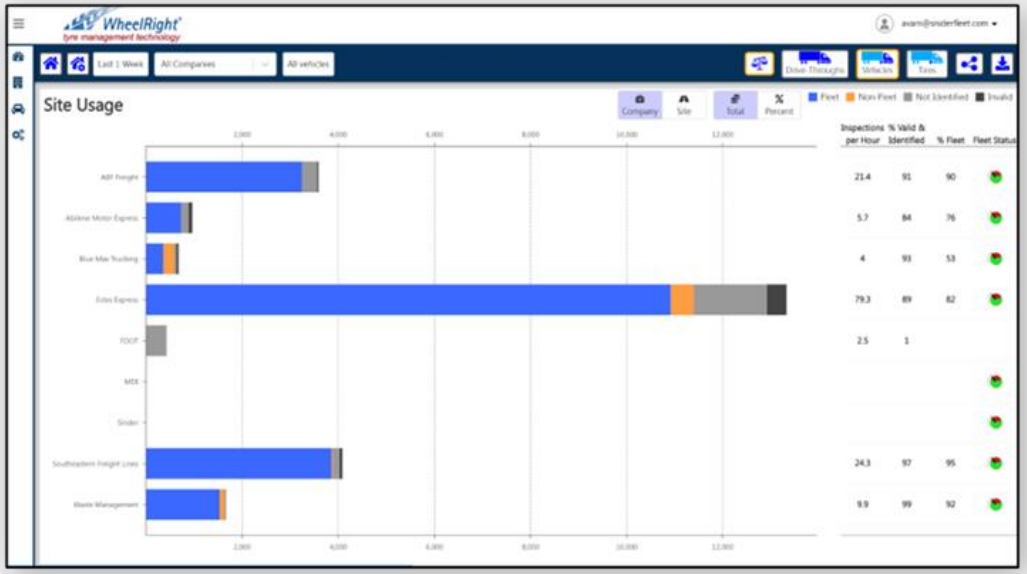
Zone	Date / Time	Fleet/User Number	Registration No	Axle	Nominal Pressure (PSI)	Tyre Pressure (PSI)				Tread Depth (1/32")			
						Left		Right		Left		Right	
						Outer	Inner	Inner	Outer	Outer	Inner	Inner	Outer
R	08/18/2021 05:29:10			1 2	100 100	Red Green	Red Green	Red Red	Red Green	Green Amber	Green Green	Green Green	Green Green
R	08/18/2021 00:53:35	75264	7373FB	1	100	Red	Red	Red	Red	Green	Green	Green	Green
R	08/18/2021 11:41:29	553897	CA8371	1	100	Red	Red	Red	Green	Green	Green	Green	Green
R	08/18/2021 06:11:40			1 2	100 100	Red Green	Green Red	Red Green	Green Green	Green Green	Green Green	Green Green	Amber Green
R	08/18/2021 08:29:22	87674	3344FM	1	100	Red	Green	Green	Green	Green	Green	Red	Green
R	08/18/2021 00:20:36		NO PLATE	1 2	100 100	Red Green	Red	Green	Green Green	Green Green	Green	Green	Green Green
R	08/18/2021 14:25:45	19145	3DC350	1 2 3	100 100 100	Green Green Green	Red Green	Green Green	Green Green Green	Green Amber Amber	Green Green	Green Green	Amber Green Green
R	08/18/2021 13:48:08	82273	4942EX	1	100	Green	Green	Red	Green	Green	Green	Green	Green
R	08/18/2021 13:48:08			1 2	100 100	Green Green	Green Green	Red Green	Green Green	Green Green	Green Green	Green Green	Green Green

WheelRight® tyre management technology

Tread action report, Waste Management, Medley, 10/04/2021 - 10/05/2021 — 10/05/2021

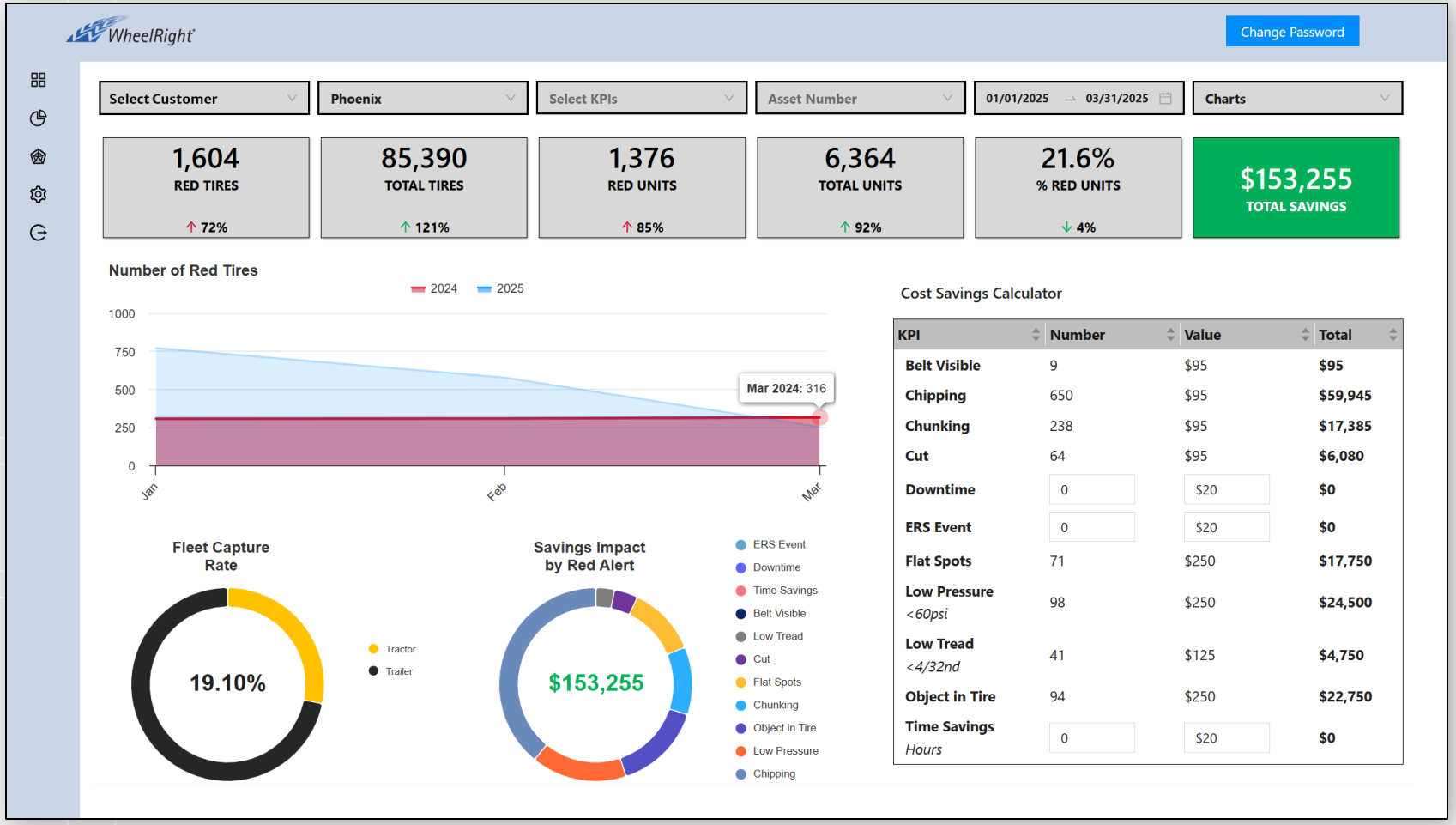
Fleet/User Number	License Plate	Axle No.	Tire	Damage	Tire Wear Is Uneven	Tire Image Links
Vehicles At or Below 0-5 /32"						
None						
Vehicles With Tire Damage						
215207	P7969D	3	Right	Cut	No	Click for image
212919	N1941Y	1	Right	Cut	No	Click for image
214241	P9747C	3	Right	Cut	No	Click for image
214245	P9161B	3	Right	Cut	No	Click for image
214356	P1366E	3	Left	Cut	No	Click for image
415054	N0677Y	3	Left	Cut	No	Click for image
417503	P5438D	1	Left	Cut, Gouge	No	Click for image
105370	N4050X	3	Right	Cut	No	Click for image
214229	P8282B	2 3	Left Right	Cut Cut	No No	Click for image Click for image
414903	P0746C	2 3	Left Right Left	Cut Cut Cut	No No No	Click for image Click for image Click for image
213242	N4755X	3	Left	Cut	No	Click for image
212584	N3343X	1	Right	Object in Tyre	No	Click for image
214256	P1154E	1	Left	Object in Tyre	No	Click for image
214359	P1194E	3	Right	Cut, Chunk	No	Click for image

- ✓ Daily reports & updates
- ✓ Multiple location comparison reports



POWER BI REPORTS & ANALYTICS

- ROI Dashboard





NEXT STEPS

Get in touch: getstarted@fhtgroup.ai

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