



AB Dynamics Group



Track Testing Lab Testing Robots



Automate Mining and Agricultural vehicles



Full-scale track testing **R&D** services **Human Factors**



Objective and subjective evaluation of complete vehicles



advanced simulation **Hardware and Software**



35+

years' experience delivering vehicle testing and simulation solutions



100%

of the world's top vehicle manufacturers use our solutions



£100m

Global revenue in FY23 financial year



Offices in strategic locations worldwide



490

talented people employed across the group



£700m

of approximate market capitalisation within this publicly listed business



Dan Clark - Managing Director



Leading provider of advanced high-fidelity driving simulators to the global automotive and motorsport market.

Primary Location: UK (Norfolk)

Other Locations: UK (BoA), Germany, US

Annual Turnover: £19m





Real-time simulation software and digital twins used to accelerate vehicle development including testing and validation

Primary Location: UK (Romsey) Other Locations: US, Japan Annual Turnover: £9m



Measure → **Simulate** → **Validate**

Global footprint and customers





Our mission



Provide Driver-in-the-Loop (DIL) simulation solutions that allow real people to participate in virtual vehicle evaluations







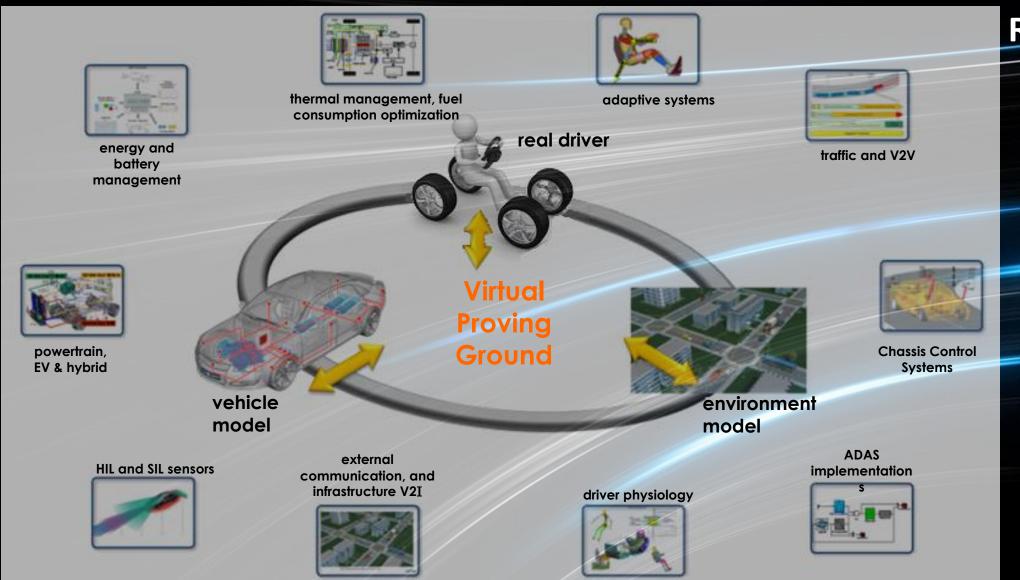








Thing Big, Target Virtual Proving ground!



Realistic Target!

50% Reduction in **Program Time**

40% reduction in **Engineering time**

60% increase in **Test boundaries**

Clean Green Approach

We are passionate engineers!



Motion Platforms



Transportable | Compact

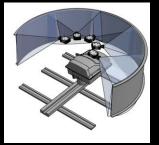


Static | Full-size

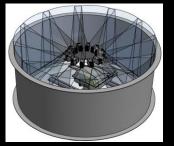


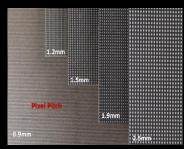
Dynamic | Full-size

Vision Systems











Supplemental Cues





















And we push the limits!

S3 offers Flexibility and Scalability:

Delta S3 can be scaled:

- 4mx4m to 7m x 7m

Delta S3 spin:

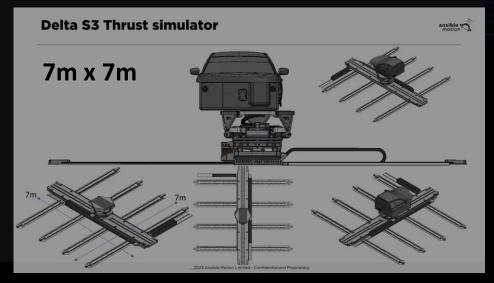
- Unlimited Yaw angle

Delta S3 Thrust:

- Upto 1.5G (X Y) acceleration
- Upto 700kg payload

Biggest and Most Powerful Simulator





Our Partners



Vehicle Model









Engineering











Tire Model







HiL applications









Most advanced Driving simulator



- higher fidelity motion e.g. in braking phases, subtle steering inputs etc
- longer duration motions more realistic corner entry and increased mid corner feel
- Large Yaw key to human perception especially in city driving and lower dynamic situations
- lower washout rates especially for yaw, which may not need any washout depending on scenario



Want to know more!!











Visit us at Ansible motion Booth



