

Simply the best

It's time to reward the industry's hard work as we reveal the winners of this year's *Automotive Testing Technology International Awards!*



PROVING GROUND OF THE YEAR

Winner: **ATP – Automotive Testing Papenburg, Germany**

ATP – Automotive Testing Papenburg marked its 20th anniversary this year by making important upgrades to the proving ground, the most notable of which included installation of a new DC quick charger from ABB with a maximum charging power of 350kW and 15-minute 80% charge capacity to support testing of EVs; and increased ADAS testing capability in the vehicle dynamics area.



PERSON OF THE YEAR

Winner: **Colin Paton**, design engineer, Sensing Precision, UK

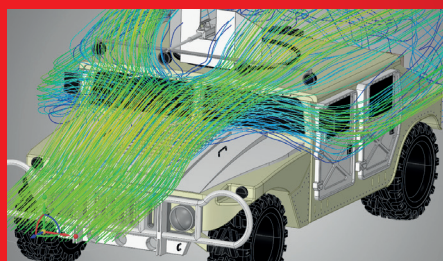
Paton scooped this award for the key role he played in the development of Sensing Precision's Paton 1000 cabin leakage tester. So influential was Paton that the company re-branded the entire product line-up in appreciation of the expertise he brought.



HARDWARE INNOVATION OF THE YEAR

Winner: **Flex-0 drive-by-wire technology**, AB Dynamics, UK

The UK test system supplier's innovative Flex-0 drive-by-wire system enables vehicles to be driven directly through the CANbus, without the need for a human driver or robot. Recently implemented by Volvo Cars, the system's benefits include simplified installation and test processes, lower hardware requirements, and reduced costs.



SOFTWARE INNOVATION OF THE YEAR

Winner: **Discovery Live**, ANSYS, USA

Enabling the creation of smarter designs faster and more efficiently, Discovery Live enables engineers to pose 'what if' questions up-front in the design process where most of the product costs are locked in, to rapidly explore thousands of design options, and to receive immediate feedback. As such, engineers can immediately examine the impact of their design changes, instead of waiting weeks or months to set up, run and analyze prototypes.



CRASH TEST FACILITY OF THE YEAR

Winner: **Calspan**, USA

The first all-new, independent crash lab built in the USA in more than 25 years consolidates Calspan's crash test dummy certification, vehicle preparation area and test track in one completely enclosed, US\$25m facility in Buffalo, New York. Able to carry out 1,000 test runs per year, key technologies deployed in the single structure include an in-house LED lighting system, the latest IDT 1,000fps 2K/4K cameras, and the first US deployment of Messring's M=Wall load-cell wall.



ENGINE TEST FACILITY OF THE YEAR

Winner: **Mahle Powertrain's Real Driving Emissions Centre**, UK

This US\$10.7m vehicle development and testing facility – the first of its kind in the UK – allows OEMs to ensure all new vehicles comply with RDE regulations coming into force in September 2019. Using a new 4WD chassis dyno, the facility provides up-front simulation, concept selection, engine development, RDE simulation in an altitude chamber, and PEMS validation, to help reduce on-road testing requirements.

COMPANY OF THE YEAR

Winner: **AB Dynamics**, UK

AB Dynamics has had a stellar 12 months, opening a US\$11.6m, 39,000ft² (3,623m²) engineering facility in Bradford on Avon; increasing its headcount to 160 people worldwide; and selling over 97% of its products to foreign markets. It announced plans for a new office in Frankfurt, Germany; and released a slew of new test equipment that has been used in major new studies carried out by the likes of Euro NCAP, the China Automotive Technology and Research Center, and the German Federal Highway Research Institute.