

## High-Performance Modular Engine Test Cell ('Cell 17')

'Cell 17' is a high-performance high-speed test cell for engine durability and performance testing. It is large, allowing for additional equipment to be added as required, and self-contained, including its own control room. The 40,000L fuel tank is split into two bulk volumes.

### Facility

- 523kW high-dynamic AC dynamometer
- Dyno inertia 1.3 kgm<sup>2</sup>
- Maximum speed 9,000 min<sup>-1</sup>
- Measurement of up to 96 temperatures and 16 pressures
- Numerous analogue and digital input/output channels
- Cell and engine intake air control between 20°C to 35°C +/- 2°C
- Engine coolant control to +/- 1°C
- Test bench intercooler temperature control to +/-1°C
- AFR measurement (multiple channels)
- ETAS Inca ECU calibration tools with ASAP3 connection
- AVL Puma Open operating system with functionality to install multiple measurement devices
- AVL Fuel Exact measurement with temperature conditioning to +/-0.02°C



Millbrook Proving Ground Ltd  
Millbrook, Bedford, MK45 2JQ, UK  
+44 1525 404 242 • [info@millbrook.co.uk](mailto:info@millbrook.co.uk)

[www.millbrook.co.uk](http://www.millbrook.co.uk)

