

# AVL Technical Centre

“ The professionalism and flexibility of One is to be commended. They kept rigidly to the programme and delivered in a timely manner, even when changes outside of their control were imposed. ”

DI Martin Panzitt, Director International Tech Centre Management Powertrain Engineering, AVL List GmbH

## The Brief

AVL is the world's largest company for the development of powertrain systems with internal combustion engines as well as instrumentation and test systems. The ambition was to create a world-class technical facility providing exceptional Powertrain solutions to support the UK automotive market to be best in class.

Once the appropriate site was secured, the Tech Centre had to house up to 6 state-of-the-art Powertrain Test Beds to enable enhanced rig testing of prototype cars.

A bespoke design was paramount, based on a firm brief agreed between AVL's European Headquarters and U.K. based personnel. Regular co-ordination and detailed communication with the client's full project team was also essential.



## Project Overview

A new purpose-built building was the most viable option and One proposed two designs for two differing sites. Ansty Park, a sustainable development in the heart of the U.K.'s key transport hub, was determined as the most suitable location allowing One to lead the planning stage and assist the client with the purchase and negotiations of the site.

The AVL Tech Centre measures approximately 1.58 ha in size and incorporates the facility itself and surrounding hard and soft landscaping. The high-tech facility was designed to suit the parameters of the site whilst enabling potential future expansion for testing and office space.

Presentations of early proposals were delivered to the client project group, including key suppliers of the technical equipment, to allow any concerns or issues to be raised early in the design process. Pre-application advice was also sought from the planning department. Early involvement ensured this bespoke design met the needs of all parties, helped meet the tight schedule and avoided any unnecessary delays.

Arranged in a large two-story block, the weather proof and air tight testing facility accommodates 93 staff within the workshop and office area. Using a low carbon design approach, reception and washroom facilities are also incorporated, as is a Soak area for vehicle testing and integrated within the building are the crucial 6 Powertrain Test Bed modules.

There is flexibility to adapt for future changes; an area of the ground site is designated for any future expansion consideration, plus two additional floors could be added above the two-storey office space. The Powertrain Test Beds are also designed with a 'plug and play' ethos, so are removable from the main structure of the building to allow for technological changes.

The landscape design creates a simple, functional and natural setting. With clear wayfinding and access, a SuDS scheme is in place to capture storm water and to discharge slowly at a restricted rate. AVL anticipate that over the coming years, 200 engineers and technicians will be employed at the centre.

## Location:

Ansty Park, Coventry

## Value:

£5.5m new build project

Outside Worcestershire - Built Project

One Creative Environments Ltd  
London office: 83 Baker Street, Marylebone, London, W1U 6LG  
Midlands office: 5 The Triangle, Wildwood Drive, Worcester, WR5 2QX  
E: mark.martin@oneltd.com  
T: 0203 8701645 (London)  
T: 01905 362300 (Midlands)  
www.oneltd.com

