




PLANES

TRAINS

AUTOMOBILES

Planes
Trains &
Automobiles

Invest in the UK's South East Midlands



Northampton
A508

Welcome to
DAVENTRY
Twinned with Westerburg

Wilton
MK
milton keynes

LONDON LUTON
AIRPORT

LONDON
OXFORD
AIRPORT

Bedford

Planes, Trains and Automobiles

However you travel it is the sheer diversity and excellence of our **Planes, Trains and Automobiles** that will impress you when you visit the **South East Midlands**.

Arrive by private jet and the probability is you will land in the UK's largest private jet airport, **London Luton**. By train and your route will be managed from Milton Keynes, home to the **UK's Network Rail** national centre. By car and you may well yourself in the fast lane to Silverstone, the home of the **British Grand Prix**. Situated between London, Oxford and Cambridge, our excellent connectivity makes the **South East Midlands** the leading logistics and supply chain hub for the UK.

Whether you are here to work, rest or play, the **South East Midlands** is the UK's optimum location.

Four reasons why companies locate in the **South East Midlands**:

- £2 billion of national funding to support next generation aircraft technology
- cutting-edge facilities and industry experts to prototype, test and commercialise new technologies
- advanced engineering and applied research from internationally renowned **Cranfield University**
- business cluster of 1,500 High Performance Technology companies at the heart of 'Motorsport Valley'

www.semlep.com/invest

Welcome خوش آمدید Bienvenu
добро пожаловать 歡迎
Benvenuto 歡迎
Willkommen ترحيب



London Luton Airport is the UK's largest private jet airport with around 27,000 worldwide movements.

The airport, which connects 12 million passengers to over 100 destinations each year, has also been granted final planning consent for a £100m development which will increase annual passenger capacity to 18 million per year.

The plans, including an expanded and modernised terminal building, are forecast to increase the airport's annual economic impact to £1.2bn per annum, creating over 5,000 new jobs.

Ideally located on the M1 corridor and the **Thameslink** train line to **Central London** the airport supports a thriving supply chain, which directly and indirectly employs over 600 and 8,000 staff respectively.

Monarch Aircraft Engineering HQ is based at **London Luton** and provides base maintenance hangar facilities and maintenance repair overhaul services, while **easyJet Airlines**, **Monarch Airlines** and **TUI** are also headquartered at the airport.

London Luton Airport is also home to three dedicated private jet terminals; **Harrods Aviation**, **RSS Jet Centre** and **Signature Flight Support**.

PLANES

Cardington Airship Sheds

Cardington Airship Sheds in Bedford are home to the world's biggest aircraft and to a cutting-edge lighter-than-air vehicle.

The 93m Long Endurance Multi-Intelligence Vehicle (LEMV), the world's biggest flying vehicle, has arrived in Shed 1 and has been designed and built by **Hybrid Air Vehicles (HAV)**, based in Cardington. Meanwhile Shed 2 continues to prove itself a popular studio location for film and television productions.

Director **Christopher Nolan** used the shed to film scenes for three of his movies; **Batman Begins**, **The Dark Knight** and **Inception**.

The South East Midlands is crammed with aviation highlights, including the **Aircraft Research Association** in Bedford and **Moog-ISP**, formerly AMPAC In-Space Propulsion (ISP), a leading developer and supplier of liquid rocket engines, tanks, and propulsion systems for commercial, defence, and spacecraft launch vehicles. **COM DEV International Limited**, with an operational base in Aylesbury, is a global designer and manufacturer of space hardware and is a world leader in the production of space-qualified passive microwave equipment, specialised electronics and optical subsystems.

Cranfield University's Department for Aerospace Engineering was **BAE Systems'** partner in developing the flapless **DEMON UAV** and the university is now home to the UK's **Aerospace Technology Institute**.

Royal Air Force Stations in the South East Midlands include **RAF Croughton**, which operates one of Europe's largest military switchboards, **RAF Weston-on-the-Green**, built in the First World War but now used as a drop zone for the **No.1 parachute training school**, and **RAF Henlow**, which runs the **Centre of Aviation Medicine**, the UK's main site for aviation medicine research.

Safran Power in Pitstone, part of the Safran Group, plays a key part in the UK's aerospace (propulsion and equipment), defence and security industries supporting a range of prestigious customers both in the UK and worldwide.

EXPLOSION TESTS

Aviation Assets

A large aircraft engine is displayed in a museum. The engine is white with a black fan and a red cowling. It is mounted on a stand. The background is a large, open hall with a high ceiling and a grid of lights.

London Oxford Airport is a privately owned airport located near Kidlington in Cherwell District, the only commercial airport between London, Heathrow and Birmingham.

Cranfield Airport, owned by the world renowned **Cranfield University** in Bedfordshire, was originally a World War II aerodrome and is home to the Met Office research aircraft **Facility for Airborne Atmospheric Measurements (FAAM)** which provides aircraft measurement for UK atmospheric research organisations on worldwide campaigns.

B/E Aerospace, based in Leighton Buzzard, is the world's leading provider of interior products and solutions for the commercial, business jet and military aircraft markets.

Lockheed Martin's Amptill facility is the company's largest and fastest growing in the UK, proving mission systems for armoured fighting vehicles.

Selex ES Luton is an international electronics information technology business and provides technologies to deliver integrated sensor solutions for the Eurofighter.

GKN Aerospace Transparency Systems in Luton is a leading provider of military transparency technologies and ice protection systems to military and civil aerospace markets.

BSI (British Standards Institute) is based in Milton Keynes.

Bedford Autodrome now has its own airport, with a 1000m licensed runway which can accommodate all piston engined aircraft and most turbo-props for public transport operations.

Bedford has two wind tunnels. **Red Bull Racing** operate one at Twinwoods Business Park, a fundamental part of the title winning teams engineering excellence. **ARA's** wind tunnel facility can be used and contracted for testing by private business.

TRAINS



Milton Keynes is home to Network Rail's National Centre, the UK's largest ever corporate relocation, which has brought over 3,000 people from across the country under one roof and put the city at the centre of Britain's railway operations.

Daventry International Rail Freight Terminal

Daventry International Rail Freight Terminal (DIRFT), a railroad intermodal freight terminal with an associated warehousing estate, is one of our leading distribution locations and is directly served by the West Coast Mainline railway, which transports 75 million passengers per year. This is complemented by the Eurohub freight terminal at Corby.





Rail Highlights

A new rail training academy, set to specialise in traction and rolling stock skills, has been developed by Siemens and NSARE (National Skills Academy for Railway Engineering). It will be based at Siemens' existing flagship train depot in Kings Heath, Northampton, and is due to open its doors to students in the spring of 2015.

OTHER KEY RAIL HIGHLIGHTS INCLUDE:

East Midland Trains is another of our high speed lines and handles **60 million passengers every year**, with departures from **Luton, Bedford, Kettering and Corby**, with connections to **Europe** via **Eurostar**.

Thameslink is the main-line route servicing both **London Luton Airport** and **London Gatwick Airport**.

The Chiltern Line from **London Marylebone** services **Aylesbury, Banbury and Bicester**.

Rail connectivity is set to get a boost as **East-West Rail** re-establishes a rail link across the **South East Midlands**, between **Cambridge and Oxford**, via **Milton Keynes and Bedford**.

Virgin and London Midland operate on the West Coast Mainline railways, which transports 75 million passengers per year, with departures from **Leighton Buzzard, Milton Keynes and Northampton**.

On a smaller scale the **Northampton & Lamport Railway** is a steam and heritage diesel tourist railway in the heart of the Northamptonshire countryside, near the villages of **Pitsford and Chapel Brampton**.

AUTOMOBILES

Silverstone in Northamptonshire, home to the British Grand Prix, is an International Formula 1 Circuit and the epicentre of 'Motorsport Valley' and high performance technology.

Four major Formula 1 teams have their headquarters within the South East Midlands. These are **Mercedes AMG Petronas** in **Brackley**, **Force India** in **Silverstone**, **Marussia** in **Banbury** and **Honda** shortly to join **Red Bull** in **Milton Keynes**.

Silverstone is also home to the **Porsche Test Ground**, designed to develop driver skills.

PalmerSport hosts the legendary corporate hospitality driving event based at **Bedford Autodrome**, created in 1991 by ex-F1 driver Jonathan Palmer.

Rockingham Motor Speedway, Corby is a super sportscar circuit used by the **Dunlop MSA British Touring Car Championship**, hosts a large range of premier motorsport events and is used for the testing of new cars.

Santa Pod Raceway is the home of European drag racing and host to the televised **FIA European Drag Racing Championships**.

Bicester is home to **Torror Rosso F1** wind tunnel facilities. **Whilton Mill**, near **Daventry**, is a karting circuit and venue for national championship races.





MILLBROOK

A 700-acre proving ground and technology centre in Bedfordshire, designs, tests and develops automotive and propulsion systems as well as pioneering low carbon technologies.

Other highlights include Cosworth, a high performance engineering firm headquartered in Northampton, within SEMLEP's Enterprise Zone, which supplies electronics and powertrain products to vehicle manufacturers, motorsport teams and performance enthusiasts around the world. The business is set to open a new £30 million Advanced Manufacturing Facility to provide engine components and assemblies for the next generation of automotive engines.

Cummins, based in **Daventry**, manufactures diesel and natural gas-powered engines.

General Motors is the UK's largest commercial vehicle manufacturer, producing the Vauxhall Vivaro van at its plant in Luton. Vauxhall's head office is also located in Luton and its Toddington warehouse is only several miles away.

Nissan Technical Centre, the largest of **Nissan's** six European R&D facilities, is based at **Cranfield Technology Park** and is the **European Centre of Excellence** for the design and development of vehicles.

Corby Electric in **Northamptonshire** specialises in **Electric** and **Hybrid Electric** vehicles and has developed an infrastructure of charging points across the town.

Milton Keynes is home to the **UK Sales & Marketing Headquarters** for **Mercedes-Benz**, **Volkswagen Financial Services**, **Scania Great Britain Ltd** and **Suzuki GB plc**.

Sigma Composites, specialists in carbon component manufacture, work with major Formula 1 teams as well as diversifying into aerospace and defence.

RACELOGIC design and manufacture electronic systems to measure, record, display, analyse and simulate data from moving vehicles.

Wipac, a global designer and manufacturer of lighting products for supercars, are technology leaders, specialising in high-powered LED lighting applications.



Automotive Assets

Mercedes AMG High Performance Powertrains, in the Northamptonshire village of Brixworth, designs, manufactures and tests Formula 1 racing engines for Mercedes AMG Petronas, Vodafone McLaren, Mercedes and Force India F1 teams and the Aston Martin race team.

Ilmor Engineering in Brixworth, Northamptonshire is best known for the development of solutions for motorsport and marine applications. It also applies its engineering expertise to defence and automotive application.

Northampton International Raceway at Brafield-on-the-Green, famed for its international stock car races.

The Sir Henry Royce Memorial Foundation at Paulerspury, home to a collection of exhibits and papers celebrating the life of the founder of Rolls Royce.

Prodrive at Banbury, a British motorsport and engineering group which designs race and rally cars and new technologies for the automotive, aerospace and defence industries.

Brahms Electric Vehicles at Wollaston.

Chargemaster at Luton, which manufactures charging points for electric, plug-in vehicles. Manufacturers include **Cummins** at Daventry (diesel engines).

Daventry motorsport companies too have had racing success include **JR Motorsports** and **Fortec Motor Sport Ltd.**

Driverless robot vehicles that let passengers play games and check emails while being chauffeured to their destination are due to be introduced into Milton Keynes transport from 2015.

The Transport Systems Catapult in Milton Keynes is the UK's technology and innovation centre for Intelligent Mobility, harnessing emerging technologies to improve the movement of people and goods around the world.

PRIMO International Raceway at Brafield, Northamptonshire is the UK's longest-serving short oval course.



Aston Martin's headquarters in Newport Pagnell, first opened in 1957, is home to a state-of-the-art modern car showroom as well as the company's first heritage showroom. Customers can now view and compare cars from every era of Aston Martin's 100 year plus history, up to and including the DB7.



Towcester And on the subject of horsepower... Racecourse

Towcester Racecourse

The thunder of flying hooves... The dazzling flash of colours... Come and share in the excitement of the sport of kings!



SEMLEP

South East Midlands
Local Enterprise Partnership

www.semlep.com

🐦 @SEMLEP

🏠 South East Midlands Local Enterprise Partnership