

NORTH EAST ENGLAND WORKS.

Driving growth in the North East

North East England is the home of manufacturing innovation and it has continued to build on its worldwide reputation as a centre for automotive manufacturing excellence.

The automotive sector's future is based on electrification, automation and emerging technologies. The region is a world leader in this field by establishing itself as a pioneering UK location for battery manufacturing and a global innovator in power electronics, motors and drives.



Why automotive firms choose to invest in North East England?

- Home to the UK's largest car plant, Nissan Motor Manufacturing UK, and an ever-expanding supply chain of over 240 companies.
- Access to a well-established local supply chain of over 30 Tier One companies and a manufacturing ecosystem extending to assembly, robotics and automated technology.
- Home to Europe's very first EV battery production facility at Nissan, Envision AESC and Britishvolt are now building the UK's first significant EV battery gigafactories in Sunderland and Northumberland with a combined capacity of 65GW. This offers companies a fantastic market opportunity focused on the North East of England.
- Great market access with an international airport, extensive road and rail networks plus three ports, connecting the region to Europe and the wider globe.
- The region reports fewer staff shortages than other UK locations and, due to very low staff turnover rates, companies can confidently invest in training their loyal workforce.
- Multiple industrial and office locations are available in close proximity to the automotive cluster, ports and key road networks.
- Highly competitive operating costs; industrial costs are 15% cheaper when compared to the West Midlands and typical cost savings for an automotive engineer are over 40% when compared to other major European cities.

Leading the way in Electric Vehicles

Autonomous vehicles, advanced materials and alternative powertrains are key to the future of the automotive sector and companies in the North East are already engaged in developing this cutting-edge technology.

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North East businesses, like Avid Technology, Borg Warner and Hyperdrive Innovation Ltd, all recently acquired by US tech giant Turntide Technologies, are supporting the electrification of the automotive industry by designing and manufacturing high performance battery systems and electrical components.

Furthermore, the region is home to significant academic research into low carbon vehicle and fuel cell technology, with all five of its universities carrying out research into LCV technology pushing the boundaries of knowledge and innovation.

Adding to the R&D expertise in the region is the Centre of Excellence in Sustainable Advanced Manufacturing (CESAM). CESAM will accelerate process innovation and enable a shift towards industrial digitisation for advanced manufacturers.



DER Centre North East at Newcastle University, is one of four national centres of the Driving the Electric Revolution programme. The programme seeks to make the UK a global leader in the manufacture of core technologies that underpin electrification: Power Electronics, Electric Machines and Drives (PEMD).

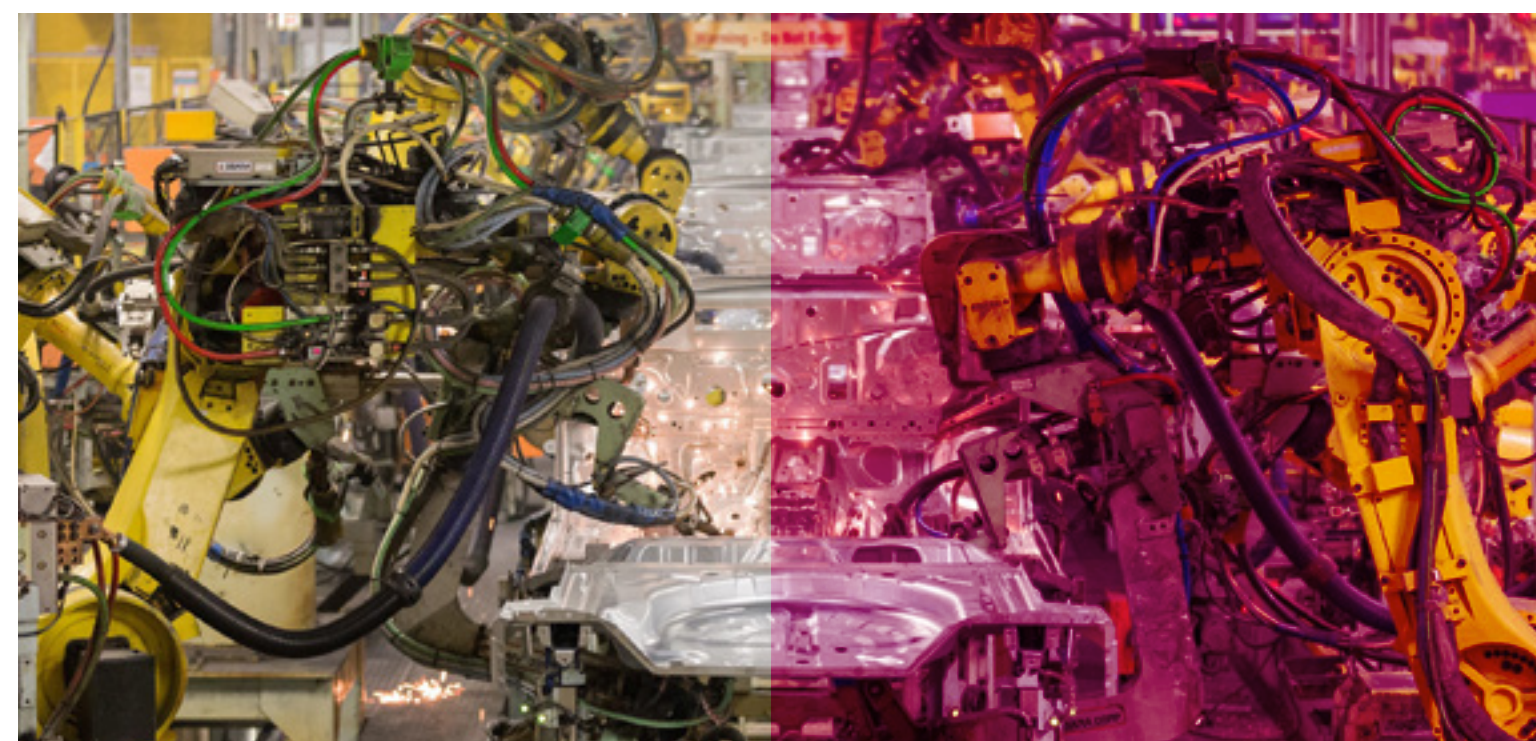
The North East has ambitions to develop a globally unique centre of excellence and testbed for Connected and Autonomous Vehicles for Logistics which will build upon the UK CAV Testbed ecosystem.

An unbeatable location for investors

With a well-established automotive industry, our region is home to leading OEMs Nissan, Erwin Hymer Group, Komatsu, Caterpillar, Liebherr and Cummins plus tier one suppliers such as Gestamp, SNOB UK Ltd and Lear Corporation. The region produces 30% of all UK passenger vehicles, which includes 20% of all electric vehicles across Europe, 10% of all UK non-highway vehicles, and 350,000 engines per year.

Europe's first:
Battery production facility

Europe & UK's first:
Giga factory
Annual capacity 1.7GWh



Unrivalled business networks

The North East has an established support network in place for new investors to thrive. Local authorities, business organisations and our centres of excellence all supply a huge amount of support specifically geared towards nurturing existing supply chains and providing opportunities for new entrants.

North East Automotive Alliance (NEAA)

The NEAA is the UK's largest automotive cluster group and one of the biggest in Europe. The industry-led cluster group now has more than 200 members ranging from industry giants including Nissan and Komatsu, to Tier One suppliers and SMEs. The aim of the alliance is to support the economic sustainable growth and competitiveness of the sector in the region.

EV North

EV North has been established to strengthen the North East's manufacturing and research activity in electrified powertrain components and systems, to increase investment, activity and collaboration within existing NEAA members and attract new powertrain electrification businesses and investment to the North East region.

Advanced Manufacturing Forum (AMF)

The AMF is the largest manufacturing forum in North East England, engaging with members and the wider business community to exchange ideas and knowledge.

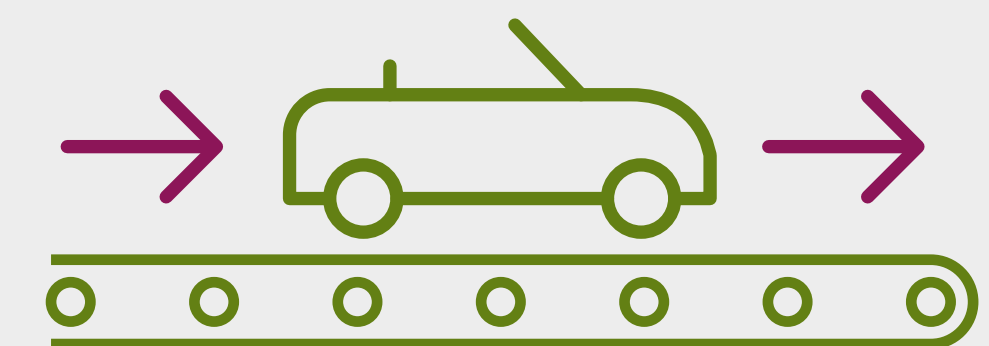
Unbeatable skills availability

A highly skilled and loyal workforce ensure the region's automotive sector has a ready and large talent pool.

Key to North East England's success in the automotive sector, is the ability to meet the on-going skilled labour requirements of our companies. The region's universities and higher education institutions have worked hand in hand with industry and business networks to develop and deliver bespoke training courses, giving the workers of the future the technical skills they need for the automotive industry. Gateshead College, for example, is a training provider for Nissan and several of its major suppliers.

It develops bespoke training packages in dedicated training facilities, including its flagship Skills Academy for Automotive, Engineering, Manufacturing and Logistics.

25,000+ people
in automotive manufacturing



116,000
in wider manufacturing

67,000 +
STEM students
 at its universities



Strategically located Industrial premises and development opportunities

Coupled with the skills availability and unbeatable business networks, the region also has space to grow. North East England has ample development sites (many with Enterprise Zone status) all with excellent access to the roads, rail and port networks. North East England has some of the most cost competitive industrial space in the UK, with prices starting from £2.50 per sq ft. This, coupled with excellent skills availability and lower wages, makes the region an attractive location for automotive manufacturers.



Investing in digital

North East England has an innovative automotive sector with many companies already integrating robotics and Artificial Intelligence in to their operations.

With a growing and specialised cluster of digital companies in the region aligned to support the advancement of automation technologies and robotics, it is a prime location for advanced manufacturing innovation.



KEY SPECIALIST OPERATIONS IN THE NORTH EAST

OEMs

Nissan Motor Manufacturing UK

Komatsu

Caterpillar

Cummins

Erwin Hymer Group

Liebherr



Automotive Manufacturing Cluster

AVID Technology Ltd

Borg Warner

Marelli

Faltec Europe

Gestamp

Hyperdrive Innovation Ltd

IAC Group

Johnsons Controls

Lear Corporation

Magna

Minth

SNOP UK

Turntide Technologies

Unipress

Vantec Europe Ltd

ZF TRW

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