

Invest in Dorset's ADVANCED ENGINEERING AND MANUFACTURING SECTOR



DORSET is home to a thriving and varied advanced engineering sector, which specialises in Aerospace, Defence, Composite and Marine technologies. Altogether, they employ around 17,300 people and contribute over £803 million to Dorset's economy.

Dorset is a highly attractive region. Advanced Engineering & Manufacturing businesses located to Dorset for many reasons including:

- the presence of major prime contractors
- a highly skilled workforce
- a vibrant and dynamic supply chain supported by key trade associations including Farnborough Aerospace Consortium (FAC) and the West of England Aerospace Forum (WEAF), representing the industry at a regional and national level - the government's Aerospace Growth Partnership.
- 50:50 split between military and civil work
- excellent universities and colleges with specialisms in aerospace and marine related research and education
- a superb quality of life – acting as a magnet for skilled people

Aerospace

The UK has the world's second largest aerospace industry. Dorset counts aerospace as one of its leading key industries and the Dorset based companies excelling in aerospace include global and European leaders such as:

- ✓ BAE Systems www.baesystems.com
- ✓ Cobham www.cobham.com
- ✓ Magellan Aerospace www.magellan.aero
- ✓ Curtiss-Wright www.curtisswrightds.com/avionics
- ✓ Honeywell <https://aerospace.honeywell.com>
- ✓ SPHEREA Test & Services www.spherea.com/
- ✓ AIM Altitude www.aimaltitude.com
- ✓ Micro-Nav www.micronav.co.uk
- ✓ CTC Aviation Training UK www.ctcaviation.com
- ✓ KDC Group www.kdcresource.com

The aerospace supply chain in Dorset is supported by the presence of

- ✓ Ultra Electronics www.ultra-electronics.com
- ✓ GSI Westwind Air Bearings www.westwind-airbearings.com
- ✓ GA Telesis www.gatelesis.com/contact/global-locations
- ✓ Copperchase www.copperchase.co.uk
- ✓ Valmiera Glass www.valmiera-glass.com

together with other engineering businesses in Tiers 1-3 - Airbus, Boeing, Bombardier, GKN and Leonardo.

Many of Dorset's aerospace companies help the world's most significant civil and defence projects with research and development, design and manufacturing.

Europe's Aerospace Powerhouse

Think aerospace - Think UK South West

Dorset is also part of the South West Aerospace cluster of the UK, the largest in Europe. All the Local Enterprise Partnerships (LEPs) in the South West of England have engaged in promoting aerospace as the leading cluster in Europe. Within the UK the South West region has the largest aerospace cluster and one of the most diverse advanced manufacturing clusters in the country. The region's extensive network of highly-skilled and innovative suppliers means the UK South West is the obvious choice for industry giants such as Airbus, Leonardo, Boeing and Rolls Royce to name but a few.

iAero is the South West of England's Aerospace sector's initiative to develop a regional platform for innovation and growth.

iAero in five points:

1. 14 of the largest global aerospace corporations and 800 of their supply chain companies operate within the South West.
2. iAero is a collaboration between the region's leading aerospace players to deliver a regional platform for innovation and growth.
3. A regional delivery mechanism for the UK Aerospace Growth Partnership strategy for technology, skills development, supply-chain competitiveness and manufacturing capability.
4. Over 27,000 highly skilled engineers and operatives adding value within the South West.
5. Supported by the UK Government's High Value Manufacturing Catapult through the National Composites Centre.



Key Objectives of iAero

1. Enhance the South West business's competitive advantage.
2. Promote growth through collaboration across the supply chain and between regional and national partners.
3. Increase international recognition as a region of significant industrial importance in Europe with the support of South West Local Enterprise Partnerships (LEPs).
4. Create stronger links between industry, local and central government, the Catapult and higher education.
5. Create the iAero environment to support business incubation and innovation development utilising local authority investments in new infrastructure.
6. Promote the concept of High Value Design capability that supports skills and technology development, and provide facilities for collaborative working.



Marine and Composite Technologies

Dorset is also the home to some of the largest players in the field of composite technologies, used in both marine and renewable energy industries.

Sunseeker International

www.sunseekerpoole.com and

The Royal National Lifeboat Institution

<https://rnli.org/rnli-college>

both invest in R&D and manufacturing of composite technologies within Dorset. Sunseeker has manufacturing units within Poole and Osprey Quay, Portland. The RNLI has invested in a brand new R&D and manufacturing facility at its HQ and College base in Poole.

Norco GRP, www.norco.co.uk, a leader in its field in combining composite technology with tidal power generation.

Other leading companies present in Dorset are:

- Wartsila www.wartsila.com/hamworth
- Manor Marine www.manormarine.co.uk
- Caterpillar
www.cat.com/en_US/by-industry/marine.html
- Coda Octopus Martech
www.martechsystems.co.uk/
- Global Marine Systems
www.globalmarinesystems.com with its operational base within Portland Port is the largest independent provider of submarine cable installation, maintenance and related engineering services worldwide.

history, Dorset is at the forefront of R&D Defence with world-class companies such as

- BAE Systems www.baesystems.com
- Atlas Elektronik UK
www.uk.atlas-elektronik.com
- QinetiQ www.qinetiq.com/contact/pages/officelocations.aspx
- Aish Technologies www.aishtechnologies.com
- Amsafe Bridport <https://amsafebridport.com>
- AGI Aeronautics www.agiltd.co.uk/
- AB Precision www.abprecision.co.uk
- Babcock International Group
www.babcockinternational.com/
- IAP G3 Systems www.g3-systems.co.uk/
- Ultra Electronics NCS Systems
www.ultra-ncs.com/
- Coda Octopus www.martechsystems.co.uk
- Chemring Technology Solutions
www.chemringts.com/
- Drumgrange www.drumgrange.com/
- Tods Defence unitech-aerospace.com/
- BMT Defence Services www.bmtdsl.co.uk/

MINISTRY OF DEFENCE CENTRES OF EXCELLENCE

- The Royal Marines Base, Poole, Dorset and is the centre for the Royal Marines and Royal Navy amphibious and riverine activities.
- The Royal Corps of Signals based at Blandford, Dorset is the centre of excellence and training for information computer technology for the British Army.
- The Armour Centre at Bovington, Dorset is the centre of excellence for training in the core skills of armoured warfare.
- The Royal Engineers Bridging Camp in Wyke Regis, situated on the Dorset coastline is the only bridging training centre retained by the British Army.
- Royal Fleet Auxilliary servicing and supply at Portland Port.
- Special Forces (SBS) training within Portland Harbour with training platform "Sir Tristram"

Defence

Thanks to its maritime naval

Bincleaves, Portland Port

Portland Harbour is at the end of a relatively short fetch across Lyme Bay and physically protected from strong winds and currents by the island of Portland and the causeway which connects it to the mainland. In addition there is a double low tide in Portland.

The key benefits are the ability to use sensitive equipment on stable platforms with real time data collection and analysis.

The water space is available with good conditions for the majority of the year and if more demanding conditions are required then the option still remains to conduct research South of Portland Bill.

This environment has enabled Atlas Elektronik UK www.uk.atlas-elektronik.com to develop world leading underwater systems technology development in a timely, affordable and highly effective manner. In addition, because there is a consistency of environmental conditions, the model can be validated to a high degree of accuracy and de-risk sea trials by credible modelling and simulation effort further reducing time and cost.

High Tech Manufacturing and R&D

Dorset has a rich base of R&D and high tech manufacturers reaching across other sub sectors of industry

ASM Assembly System	dek.com/en/dek-home
Dextra Group	dextragroup.co.uk/
Merck	merck.co.uk/en/index.html
Drilling Systems	drillingsystems.com
Manitou	manitou.com/en/
Eurac Global	matfoundrygroup.com/Eurac
Exitflex	exitflex.co.uk
Hospital Metalcraft	bristolmaid.com
Loop Technology	looptechnology.com/
Netzch Pumps	netzsch.com/en/
Optasense	optasense.com/
Parkeon	parkeon.co.uk/
Safi	safi-valves.com/en/
Siemens	siemens.co.uk
Siemens VAI Metals Technology	siemens.co.uk
Tecan	tecanprecision.com/

PORT OF POOLE

www.phc.co.uk

- Poole Harbour is one of the world's largest natural harbours, in excess of 10,000 acres
- It is one of the largest Trust Ports in the UK handling 40,000 freight units, 120,000 cars and 400,000 passengers annually
- There are more than 5,000 commercial movements, annually, within Poole Harbour
- £10m new port expansion currently under development
- New 200m long deep water South Quay
- Port of Poole is home of the iconic Twin Sails Bridge
- Regular cruise ships calling and operation of cross channel ferries and fast craft service to Jersey, Guernsey, Cherbourg, St Malo and Santander with daily/weekly crossings
- 2 modern Ro/Ro berths are fully operational to accommodate the latest ferries operating in the Western Channel
- The Port of Poole has one of the best safety records in the UK
- Poole is home to over 12 yacht clubs and 4 marinas within the harbour
- An ideal venue to support offshore renewable installations on the South Coast
- Port of Poole has 8ha of development land available for further development of facilities

PORTLAND PORT

www.portland-port.co.uk

- Over 2000m of linear berthing available Berth Depths of 11.6m (C.D.)
- 2450Ha of sheltered deep clear (up to 10m visibility) within PHAL jurisdiction
- Over 35Ha waterside and near water development site with extensive waterside land available for industrial development
- Ship repair & servicing – close to major seaways – The English Channel
- Vessel lay up
- Underwater survey
- Royal Fleet Auxillary servicing
- Royal Navy surface ship and submarine servicing
- Special Boat Service (SBS) training
- All aspects of offshore renewables including storage, assembly, construction and servicing
- Portland Port offers a bunkering service to passing vessels
- Leading cruise destination in the South West with over 22 cruise calls and 26,000 passengers booked for 2015 and planned cruise berth extension
- UNESCO designated World Heritage Site – the Jurassic Coast
- In a sheltered bay giving good consistent benign conditions for all vessels