



DYNAMIC AND VIBRANT SUPPLY CHAINS

The West of England Aerospace Forum (WEAF) provides a focal point for cluster activities, actively facilitates networking and delivers key programmes to improve productivity, competitiveness and innovation throughout the supply chain allowing businesses new to the region to quickly meet with companies of all sizes.

One of the primary initiatives is Supply Chains for the 21st Century (SC21). This programme facilitates the adoption of lean manufacturing and continuous improvement practices, assists companies to attain the accreditations required for aerospace quality and supply and promotes enhanced supply chain relationships. www.weaf.co.uk

AT BOURNEMOUTH UNIVERSITY, RESEARCH RANGES FROM INTELLIGENT PROSTHETIC LIMBS TO CERAMIC BEARINGS TO CORROSION MONITORING

The University's School of Design, Engineering and Computing are working on a range of projects including ones to improve the experiences of users of prosthetic limbs, to monitor corrosion in historic vehicles, and to provide remote monitoring of patients.

live in assisted accommodation. Rapid prototyping and additive manufacturing are also key areas where novel techniques are researched to enable the deployment of such technologies in areas ranging from SME manufacturers to large scale composite materials manufacture.



The department's research focuses on the application of technology to improve the operation of vehicles, and other engineering systems. There is also an increasing emphasis on the application of existing and emerging technologies to improving the lifestyle of a wide range of people - from the users of prosthetic limbs, and prosthetic running blades, to hospital patients and to those who

LOOKING TO THE FUTURE

The aerospace industry in Dorset has a long and proud tradition over the past 100 years and is in a strong position to take advantage of future global market opportunities. Significant investments are continuing to be

made in technology, skills and supply chains to ensure long-term success and sustainability of the sector and to address the environmental challenges faced by aviation.

OFFSHORE RENEWABLE ENERGY OPPORTUNITIES

There are significant opportunities for the marine sector in Dorset to capitalise on these developments. There is demand for marine vessels to aid in the installation of offshore renewables for construction, infrastructure and servicing.

Global Marine Systems in Portland is at the forefront of developing expertise in this area. Zone 7 West of Wight 'Navitus Bay' is in the due process of applying for planning permission at present.

CONTACTS

AB Precision Ltd www.abprecision.co.uk
 Active Space Technologies UK Ltd www.activespacetech.com
 Aeroflex Hose & Engineering Ltd www.aeroflex.co.uk
 Aerotech Precision Manufacturing Ltd (Poole) www.aero-tech.co.uk
 Aerotek Aviation Engineering Ltd www.aerotek-aviation.co.uk
 AeroThermal Group www.aerothermalgroup.com
 AGI Aeronautics www.agildt.co.uk
 AIM Aviation (Jecco) Ltd www.aim-aviation.co.uk
 Aish Technologies www.aishtechnologies.com
 AmSafe Bridport Limited www.amsafe.com
 Anixter Component Solutions www.anixtercomponents.com
 Atlas Elektronik UK Limited www.uk-atlas-elektronik.com
 Babcock International (Defence & Security) www.babcock.co.uk
 BAE Systems (Christchurch) www.baesystems.com
 BAE Systems (Dorchester) www.baesystems.com
 BAE Systems (Weymouth) www.baesystems.com
 Beagle Technology Group Limited www.beagletechnologygroup.com

Bowmill Engineering Limited www.bowmill.co.uk
 Cassidian Test & Services Limited www.cassidian.com
 Caterpillar Marine Power UK Ltd www.cat.com
 Chemring EOD Ltd www.chemringeod.com
 Cobham Aviation Services Limited www.cobham.com
 Cobham plc www.cobham.com
 Coda Octopus Martech Limited www.martechsystems.co.uk
 Curtiss-Wright Controls (UK) Limited www.pennyandgiles.com
 Curtiss-Wright Flow Control (UK) Limited www.solentpratt.cwfc.com

Cynergy3 Components Ltd www.cynergy3.com
 Data Track Technology Plc www.dtrack.com
 DEK Northern Europe Limited www.dek.com
 DEK Printing Machines Limited www.dek.com
 Dextra Group www.dextragroup.co.uk
 Drilling Systems Limited www.drillingsystems.com
 Drumgrange Defence Solutions www.drumgrange.com
 Eads Test & Services (UK) Ltd www.eads.com
 Eurac Global Ltd www.eurac-group.com
 European Aviation www.eeac.co.uk
 Eurotubes UK Limited www.eurotubes-uk.com
 Exitflex (UK) Ltd www.exitflex.co.uk
 FGP Precision Engineering Ltd www.fgppltd.com
 Field International Ltd www.fieldinternational.com
 G3 Systems Ltd www.g3-systems.co.uk
 GA Telesis www.gatelesis.com

Global Marine Systems www.globalmarinesystems.com
 GSI Westwind Air Bearings www.westwind-airbearings.com
 Heatric Limited (Meggitt) www.heatric.com
 Honeywell Aerospace Bournemouth www.honeywell.com
 Honeywell Analytics Ltd www.honeywellanalytics.com
 Hospital Metalcraft Limited www.bristolmaid.com
 JET International www.jeteng.co.uk
 Kemet Electronics Limited www.kemet.co.uk
 Key Industrial Equipment Limited www.key.co.uk
 Lab Impex Systems Ltd www.labimpex.com
 Magellan Aerospace www.magellan-aero.com
 Manitou UK Limited www.manitou.com
 Manor Marine Limited www.manormarine.co.uk
 Meggitt Plc www.meggitt.com
 Netzsch Pumps www.netzsch.com
 Norco GRP Ltd www.norco.co.uk
 OptaSense www.optasense.com
 Parkeon Limited www.parkeon.co.uk
 PG Drives Technology www.pgdtd.com
 P-D Interglas Technologies Limited www.pd-fibreglass.com
 Precision Acoustics Ltd www.acoustics.co.uk/home
 QinetiQ (Dorset Green) www.QinetiQ.Com
 RNLI (Trading) Limited www.rnli.org.uk
 S.A.F.I. Ltd www.safi-valves.com
 Selex Eltag Limited www.selexelsag.com
 SFA Engineering UK Ltd www.sfa-eng.co.uk
 Siemens Traffic Controls www.siemens.co.uk
 Siemens VAI Metals Technology Ltd www.siemens.co.uk
 Subsea Asset Location Technologies (SALT) www.cesalt.co.uk
 Sumac Precision Engineering Ltd www.sumac.co.uk
 Sunseeker International Limited (Poole) www.sunseeker.com
 Sunseeker International Limited (Portland) www.sunseeker.com
 Superior Seals Limited www.superiorltd.com
 Tecan Limited www.tecan.co.uk
 Telesoft Technologies Limited www.telesoft-technologies.com
 TestLink Services Limited www.testlink.co.uk
 Trimetals Limited www.trimetals.co.uk
 Ultra Electronics (Weymouth) www.ultra-electronics.com
 Ultra Electronics Nuclear (Wimborne) www.nuclear.ultra-ccs.com
 Universal Engineering Company (Charlestown) Limited www.universalengineering.co.uk

ViaSat UK Limited www.viasat.uk.com/uk
 Wartsila Hamworthy www.hamworthy-combustion.com
 Wartsila Water Systems Ltd www.hamworthy.com

ADVANCED ENGINEERING IN DORSET

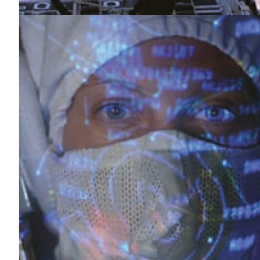
ADVANCED ENGINEERING EMPLOYS AROUND 15,400 PEOPLE & CONTRIBUTES £800 MILLION TO DORSET'S ECONOMY

Dorset is home to a thriving and varied advanced engineering sector, including Aerospace, Defence, Composite and Marine Technologies.

The UK has the world's second largest aerospace industry after the US and Dorset counts aerospace as one of its leading industries. Many of Dorset's aerospace companies are engaged in R&D, design and/or manufacture of the world's most significant civil and defence projects.

These companies include global and European leaders such as Cobham, Meggitt, BAE Systems, Magellan Aerospace, Honeywell, Ultra Electronics and GA Telesis, supported by an impressive array of local supply businesses.

Thanks to its maritime naval history, Dorset is at the forefront of R&D Defence with world-class companies such as Universal Engineering, Atlas Elektronik, QinetiQ, Aish Technologies, AGI Aeronautics, AB Precision, and Lab Impex Systems. Global Marine Systems with its operational base at Portland Port is the largest independent provider of submarine cable installation, maintenance and related engineering services worldwide.



CONTACT THE TEAM

The team is committed to working with partners and local business to provide a range of services aimed at ensuring companies receive the support they need to increase the prosperity of the area.

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 Dorset Local Enterprise Partnership
 E: j.c.m.rufus@dorsetcc.gov.uk
 T: 01305 224797

Gwen Brennan-Barrass, Economic Development Officer, Planning and Regeneration, Borough of Poole
 E: g.brennan-barrass@poole.gov.uk
 T: 01202 633015

"Many thanks for organising our visit. We thoroughly enjoyed the day and came away with a much greater appreciation of the strengths Dorset has in the Advanced Engineering sector. I think above all else what the visit has achieved for me is to change my perception of the area and has put Dorset as a serious location for future engineering inward investment."

Richard Higgins, Senior Sector Lead, Advanced Engineering, Investment Services Team, UK Trade & Investment

Comment after Event arranged for the UKTI Investment Services Team

Dorset is home to some of the largest players in the field of composite technologies, used in both marine and renewable energy industries. For example Norco GRP is a leader in its field in combining composite technology with tidal power generation, and P-D Interglas Technologies was originally started directly after the Second World War with fibreglass expertise brought over from the United States, building upon an historic expertise of weaving held in Sherborne since the 17th Century.

Sunseeker International, the world-leading leisure boat manufacturer of some of the world's most luxurious motoryachts, has been based in Poole for 40 years and has now expanded its manufacturing expertise to Osprey Quay, Portland. The Royal National Lifeboat Institution has its headquarters in Poole leading in the design and manufacture of lifeboats and intensive training of lifeboat crews.





WHY DORSET?

LOCAL FACTS 2013	Dorset	South West	Great Britain
Weekly earnings ¹	£494	£477	£508
Economic activity rate ²	78.8%	78.4%	76.9%
Employment rate ²	74.5%	73.6%	70.7%
Employees ²	61.9%	62.2%	60.6%
Self employed ²	12.1%	11.0%	9.6%
Unemployment rate ²	5.4%	6.1%	8.0%
Education			
NVQ4+3	33.0%	34.1%	34.4%
NVQ3+3	56.2%	57.1%	55.1%
Employees in employment			
Advanced Engineering - Manufacturing ⁴	12,400	90,800	703,600
Advanced Engineering - Support Services	3,000	36,700	467,700
Advanced Engineering - Manufacturing and Support Services	Total	15,400	1,171,200
Advanced Engineering - Manufacturing ⁴			
Computer, electronic, optical, electrical	1.5%	1.2%	0.8%
Medical, dental instruments/supplies; machinery/equipment nec	1.0%	1.0%	0.8%
Motor vehicles and other transport equipment	1.4%	1.7%	0.9%
Aircraft/spacecraft repair/maintenance; electronic/optical repair	0.3%	0.1%	0.1%
Total:	4.2%	4.0%	2.6%
Advanced Engineering - Support Services	1.0%	1.6%	1.8%
Advanced Engineering - Manufacturing and Support Services	Total:	5.2%	5.7%
			4.4%



POPULATION: 745,300

WORKING AGE POPULATION (16-64) : 456,100

ECONOMICALLY ACTIVE:
 Dorset 78.8%
 Great Britain 76.9%

UNEMPLOYMENT RATE IN DORSET IS 5.4%

PORTLAND PORT IS A 24 HOUR ACCESS DEEP WATER HARBOUR OFFERING REFUELLING, LAND-SIDE SERVICES AND FACILITIES

BOURNEMOUTH AIRPORT IS A KEY NATIONAL AND INTERNATIONAL GATEWAY TO SOUTHERN ENGLAND, ANNUALLY SERVING AROUND 600,000 PASSENGERS AND 36 DESTINATIONS

POOLE PORT SUPPORTS ITS GROWTH AS A SIGNIFICANT FEEDER PORT WITH ITS CAPACITY TO ACCOMMODATE CRUISE SHIPS AND SEA-BASED HANDLING OF FREIGHT AND PASSENGERS

POOLE HARBOUR IS SECOND ONLY TO SYDNEY AS THE WORLD'S LARGEST NATURAL HARBOUR PROVIDING A MAGNIFICENT HAVEN FOR RECREATIONAL SAILING AND WATERSPORTS

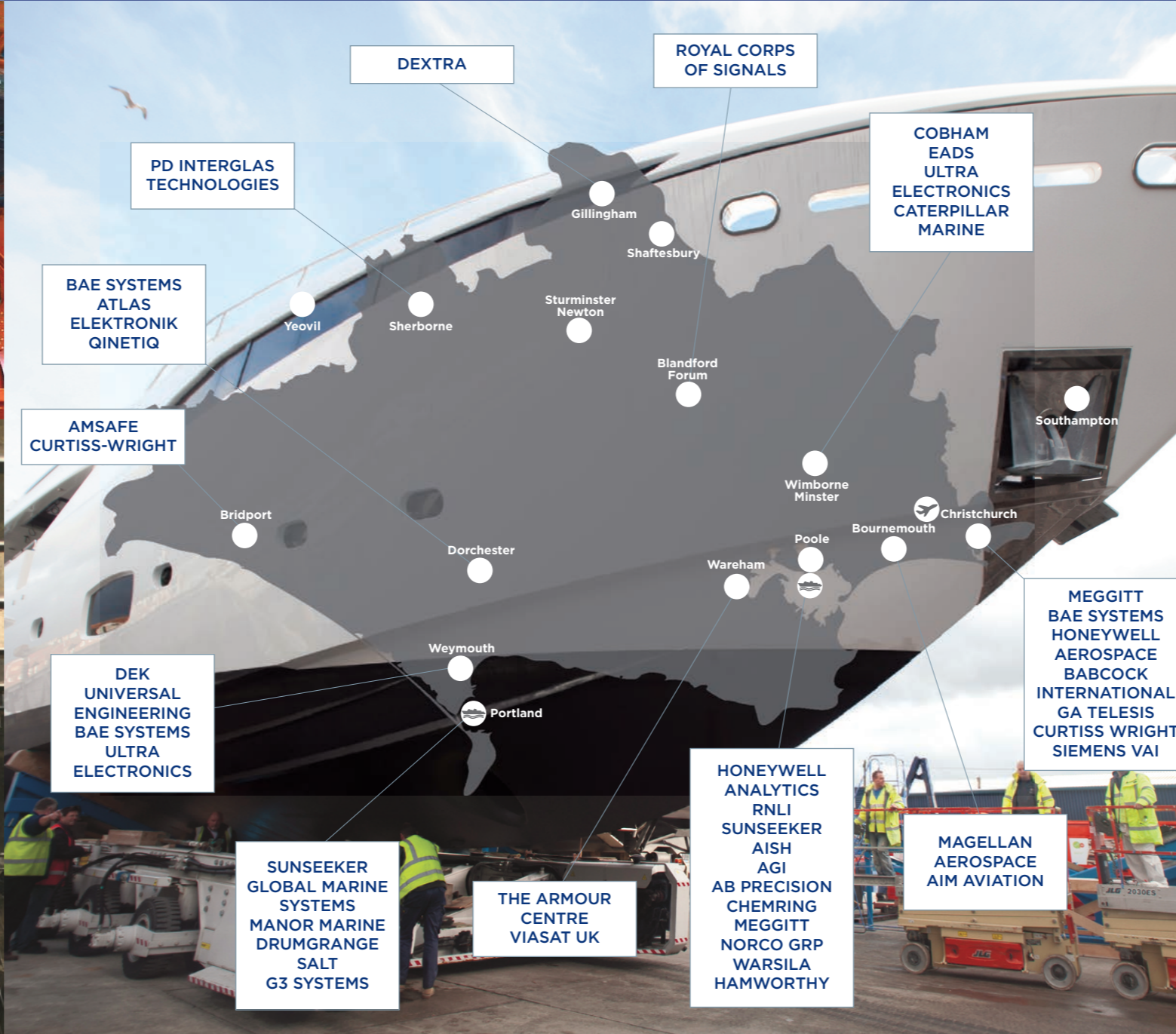
EXCELLENT ROAD AND RAIL LINKS TO LONDON AND ELSEWHERE IN THE UK

LONDON BY RAIL IN UNDER 2 HOURS

DORSET REMAINS A VERY COMPETITIVE LOCATION FOR BOTH OFFICE AND INDUSTRIAL/WAREHOUSING OCCUPIERS

RENTAL LEVELS ARE ATTRACTIVE WHEN COMPARED WITH SIMILAR URBAN AREAS IN THE SOUTH EAST

KEY ADVANCED ENGINEERING MANUFACTURING CLUSTERS IN DORSET



KEY STRENGTHS

Dorset is a highly attractive region within which to locate Advanced Engineering businesses for many reasons, including:

- the presence of major prime contractors
- a highly skilled workforce
- a vibrant and dynamic trade association - the West of England Aerospace Forum (WEAF) - representing the interests of the industry at regional and national level
- 50:50 split between military and civil work
- excellent universities and colleges with specialisms in aerospace-related research and education
- a superb quality of life - acting as a magnet for skilled people

ADVANCED ENGINEERING SKILLS & DEVELOPMENT

Universities and Colleges

Universities and colleges across the South and South West of England produce a highly-educated and skilled workforce for industry and also provide leading-edge R&D expertise to underpin the industrial technology.

University of Exeter
www.emps.exeter.ac.uk
 A member of the Russell Group, has expertise in a range of engineering disciplines including mechanical, materials, electronic, civil and engineering management. A particular specialism is The Centre for Additive Layer Manufacturing (CALM) and is a £2.6m investment in innovative manufacturing for the benefit of business in the South West and across the UK.

University of Southampton
www.southampton.ac.uk/engineering
 A member of the Russell Group. The faculty of Engineering and the Environment brings together a wide range of disciplines, offering undergraduate and postgraduate programmes in audiology and environmental science as well as acoustical, civil and environmental, mechanical and aeronautical/astronautical engineering and ship science.

Southampton Solent University
www.solent.ac.uk/courses
 In an industry that accelerates rapidly, innovation, originality and creativity are vital. Mechanical Engineering courses at Southampton Solent University embody these facets. The university specialises in fusing science with design and always maintains a business angle.

The University of the West of England (UWE)
www1.uwe.ac.uk/et/edm
 Specialises in aerospace engineering and manufacturing research. It also has expertise in systems engineering estimation and decision support. The University leads the Continuous Professional Development in Aerospace (CPDA) programme with support from the University of Bristol.

National Composites Centre
www.nccuk.com
 Located at the Bristol & Bath Science Park, the Centre facilitates the widespread industrial exploitation of composites by developing new technologies for the design and rapid manufacture of high quality composites.

Bournemouth University
www.dec.bournemouth.ac.uk
 The School of Design, Engineering and Computing (DEC) set within state-of-the-art facilities and taught by prize winning academics, design at Bournemouth is both established and well led.

Bournemouth & Poole College
www.thecollege.co.uk/courses/engineering-apprenticeship
 Apprenticeships are a popular choice for young people aged 16-24. An apprenticeship in engineering will develop employability skills and give valuable experience in a variety of engineering related activities.

Brockenhurst College
www.brock.ac.uk/courses
 Leaders in Science, Technology, Engineering and Maths subjects with a dedicated STEM academy with specialised tutor group provision for Level 2, A level and Gifted and Talented students. Offer a range of A level and Vocational BTEC programmes to suit different learning styles and ambitions. The Engineering and Computing courses are relevant for a broad range of university courses and careers, and combine well with a variety of other business, creative and science-based courses available at College.

Weymouth College
www.weymouthcollege.ac.uk/departments/engineering-automotive
 Offers exciting and varied courses in automotive and engineering industries which are essential to the UK's social and economic infrastructure.

Yeovil College
www.yeovil.ac.uk/courses/apprenticeships
 Offering courses giving the necessary knowledge and hands-on experience for apprentices to gain skills, knowledge and experience to follow their chosen specialism.

¹ Median gross weekly earnings, full time, workplace based, from Annual Survey of Hours & Earnings (ASHE) 2012 (ONS)
² aged 16-64, % of those aged 16-64, from Annual Population Survey, Jan-Dec 2012 (ONS)
³ % of those aged 16-64, from Annual Population Survey, Jan-Dec 2012 (ONS)
⁴ From Business Register & Employment Survey (BRES) 2011 (ONS) including estimate for agriculture based on DEFRA 2010 %s are of all employees