

Major sector skills issues/opportunities flagged by SEEDA Sector Colleagues and Sector Consortia in February 2010

Sector	Centre of Excellence	Centres of Excellence - scope	Skills issues	Skills opportunities	Gaps in skills provision
Leisure Marine (Marine South East)					
	National Oceanography Centre	Top 3 ocean centres in world	<ul style="list-style-type: none"> - Importance of determining future strategic workforce requirements - More use of 3D CAD/CAM technologies - Advanced composites training - Succession planning - Ageing workforce 	<ul style="list-style-type: none"> -Expansion of program-led apprenticeship opportunities 	
	Haslar Marine Technology Centre (Quinetiq)	Hydrodynamic testing and numerical analysis			
	Warsash Maritime Centre	Training of ships' officers			
	Dept of Ship Science (Southampton Uni)	Ship design and analysis			
	Marine Welding	Aluminium Ship repair			
Environmental and energy technologies (Envirobusiness)					
	Offshore wind	Enviro 21 Bexhill & Hastings Business Park	<ul style="list-style-type: none"> - Shortage of fitters to meet demand for installation of micro-generation heating systems - Re-skilling of plumbers, electricians, heating and ventilation engineers with environmental training 	<ul style="list-style-type: none"> - Expansion of apprenticeships programmes - Upskilling of existing workers in building services environment - Upskilling of fitters 	
	Low carbon and electric vehicles	Low Carbon vehicle network - vehicle design/manufacture			
	Ricardo Engineering	Low carbon vehicle innovation			
	Milton Keynes	Electric vehicle infrastructure			
	Eco-Towns (Weston, Shoreham)	Low carbon buildings and construction			
	Zero Carbon Hub, Milton Keynes	Zero carbon homes			
	Institute for Sustainable Development	Sustainable construction			

	Severn Trent water	Water treatment expertise			
	Centre for Sustainable Design, UCA Farnham	Sustainable design for products			
	SWEEEP, Dover	Advance waste treatment technologies			
Advanced engineering (Farnborough Aerospace Consortium)					
	British Business and General Aviation Association	Highlighted shortage of trained maintenance staff as barrier to industry competitiveness	<ul style="list-style-type: none"> - Lack of qualified aerospace engineering technicians - Project management of complex programmes - Supply chain management - Systems integration – moving from discrete products to complex integrated systems - Supervisory management and leadership of international teams - Cultural/business skills - EASA Part 66 licensed engineers - Lack of young people entering the sector 	<ul style="list-style-type: none"> - Apprenticeships development (Young and Higher) 	
	Airport operators	Trying to establish pool of aircraft maintenance staff			
	McClaren F1	Leading edge research, development and manufacturing facilities			
Construction (SECBE)					

ICT and Digital Media (South East Media Network)					
	Brighton	Digital media and computer games developers	<ul style="list-style-type: none"> - Computer Science - Maths - Physics - CPD in upgrading professional skills in all areas especially business management 	<ul style="list-style-type: none"> - Provision of digital content solutions to range of sectors i.e. healthcare, intelligent transport systems, education/training. - Application of mobile technologies and interactive social media 	
	Pinewood/Shepperton Studios	Feature film production and supporting services			
	Reading	Computer software – big European cluster			
	Maidstone production studios	Film infrastructure			
	BBC Technology Group, Surrey	Research			
	Arquiva Satellite and Media, Bucks	Transmission/Broadcast			
Pharmaceuticals, Life Science and Health technologies					
Security					