

Oil and Gas, Mining and Engineering

A career in engineering offers outstanding job mobility, with good opportunities for involvement in major international construction and development projects. Engineers can qualify in a great variety of disciplines, and it is scarcely possible to explore each area in detail in a chapter of this length. Almost without exception engineers, whether civil, mechanical, electrical, petrochemical or marine, will have directly relevant degrees or other university-level training and professional qualifications.

Many major construction projects around the world are in the hands of British and North American companies, all needing engineers both for project management and to supervise day-to-day work on the ground. The recession of the early 1990s hit the engineering industry less hard than most, however, employment rates remain volatile and are directly dependent on companies success in tendering for projects. There are, nevertheless, major infrastructure projects in progress or under tender in most Middle Eastern countries, in China, Hong Kong, Australia and in much of Eastern Europe. The war in Kosovo and Yugoslavia has lead to large scale rebuilding projects in the region to replace bridges, roads, and power stations destroyed by the conflict.

Many opportunities exist for qualified engineers in the oil and petrochemical industries. Engineers experienced in the use of information technology are in demand across every sector of industry. In general, however, numbers employed in the profession are not expected to rise over the next few years, and the Institution of Civil Engineers is in the process of raising the requirements for admission to chartered membership. Competition for contracts both in the UK and overseas has intensified, and work abroad has become more difficult to obtain.

THE OIL AND GAS INDUSTRY

Oil and gas companies require a wide range of scientists, engineers and other types of personnel – from the earliest exploration stages (pilots, aerial photographers, divers, geologists, geophysicists and cartographers) through to production (drilling engineers, geochemists, petrochemists), refining and manufacturing. Opportunities also exist in research and development, marketing and distribution, and other commercial services (for example, financial management, trading, logistics, marketing, and human resources). Recruitment requirements vary in these various areas, but overall large transnational companies, most of which are household names, dominate the industry. On any particular exploration and production project, the approximate staff breakdown will generally be as follows: engineers – 30%; geotechnical staff – 25%; IT specialists – 10%; financial management – 10%; R&D staff – 20%; lawyers, doctors, nurses and others – 5%. A typical offshore oilrig will have around 100 people on board, the vast majority of whom will be employed by contractors.

Graduate recruitment is buoyant in the oil industry, and international job prospects are strong. Many major oil companies have developed relations with universities in the UK and US, and have annual recruitment programmes. Details are available through campus careers

services and in the yearly *Prospects Directory* (CSU Ltd., Prospects House, Booth Street East, Manchester M13 9EP; ☎0161-277 5200; e-mail enquiries@prospects.ac.uk; www.prospects.ac.uk). There are also openings for graduates from non-scientific backgrounds in administrative and financial operations. Oil companies also employ many non-graduate workers, in particular on oilrigs, where drilling positions range from roustabout through to roughneck and derrickmen, up to drillers and toolpushers. For such positions it is essential to take an 'Offshore Survival Course' and then to be available for work in one of the main centres of offshore drilling activity, which in the UK means Yarmouth, Lowestoft and Aberdeen. Experience of onshore operations is also advantageous. To be considered for overseas assignments by UK companies, workers will be expected to have at least two years' experience on North Sea oilrigs. Working conditions on oilrigs are not easy, but the work is highly paid and the intense periods of life offshore are balanced by long periods of leave. Workers under the age of 21 are rarely taken on, and applicants over 28 are unlikely to be successful unless they have transferable skills. There are also positions for deep-sea divers with specialist exploration skills. Deep-sea diving is a highly specialised, high-risk profession, with large financial rewards but the career span is generally short.

The main overseas opportunities in the oil and gas industries lie in the Middle East, North Africa, North America, Venezuela, Mexico, Brazil, Australia, Brunei, Indonesia, and several European countries. The Netherlands has recently become a major producer of natural gas, and both China and Japan are competing for the untold resources of oil and gas in Russia. A multi-billion pipeline will open up the eastern Siberian oilfields for exporters. Russia is the world's largest oil producer after Saudi Arabia. China also has signed agreements with several foreign companies to develop its petrochemicals industry. The North Sea oil industry is continuing to attract new investment and it is possible that new reserves will soon be exploited on the west coast of the UK – from the Shetlands to the Irish Sea. One of the new gas exploration regions is off the Mauritanian coast in West Africa where drilling is under way and huge reservoirs are being mooted.

Some companies offer various trainee opportunities for school-leavers, for those with three acceptable GCSE passes or equivalent GNVQs. Entry level appointments for graduates are often in the field, where working conditions can be very harsh, and applicants will need to be fit and geographically mobile. Employers look for people who are not only prepared to go anywhere, but also who have no significant ties, such as dependent relatives, which might make repatriation mid-project necessary. International oil companies usually recruit local staff wherever possible, and posts abroad are often filled by internal transfer or through promotion. Competition for vacancies is, therefore, fierce and often only those with good scientific, engineering, mathematics, or other qualifications will be considered.

Details of the world's oil and gas companies and their activities can be found on the *Subsea Oil and Gas Directory* website (www.subsea.org) and the *Oil and Gas International Yearbook*, available in public reference and business libraries. *The UK Offshore Oil and Gas Yearbook* has detailed information on the production and exploration licensees in the British, Norwegian, German and Dutch sectors of the North Sea, as well as lists of the contractors and companies actively involved in providing services to the North Sea oil and gas industries. For the latest information it is worth consulting the weekly *Oil & Gas Journal* (PennWell Publishing, PO Box 1260, 1421 South Sheridan Road, Tulsa, Oklahoma 74112, USA; ☎+1 918 8353161; fax +1 918 832 9290; www.pennwell.com). *World Oil* (PO Box 2608, Houston, TX 77252, USA; ☎+1 713 529 4301; fax +1 713 520 4433; www.worldoil.com), is a specialist 'downhole' magazine, dealing with exploration, drilling and production. *Hydrocarbon Processing* (available from *World Oil* address; www.hydrocarbonprocessing.com) deals with downstream management and technical issues in the international Hydrocarbon Processing Industry (HPI) including refining, gas processing, synfuels and chemical/petrochemical manufacturing.

PIPELINES

One area where personnel are constantly required is pipeline work – there is a large turnover of staff in this field and although your prospects will be improved if you have some kind of specialist skill (digger, driver, welder or crane operator for example), there is also work available for the unskilled in fencing and general labouring.

Finding employment abroad in this particular line of work is very much a matter of knocking on the right door at the right time, and you are unlikely to be successful if you rely solely on sending in your CV to various personnel departments. Instead, you should equip yourself with up-to-date knowledge of recently awarded contracts and contact the successful bidding firms directly. The leading trade publication *Pipeline Digest*, (PO Box 1917, Denver, Colorado 80201-1917, USA) contains lists of all the major contracts planned throughout the world, including the name of the main contractor with telephone number and the start-up and completion dates. Armed with such information it is a simple matter to locate the main contractor and to find out from that source the firms involved in sub-contracted work. *Hydrocarbon Processing* (PO Box 2608, Houston, TX 77252, USA; ☎+1 713 529 4301; www.hydrocarbonprocessing.com) is another good source for industry news, technical information and markets trends.

SOURCES OF EMPLOYMENT IN OIL AND GAS

Recruitment in the petrochemical industry is often handled by management recruitment companies, some of which are listed under *Consultants and Agencies* in the chapter *Getting the Job*. The personnel or human resources departments of major national and multinational oil companies can supply details of their current recruitment programmes. The UK offices handling recruitment for some of the principal operating companies are:

BP plc, International Headquarters, 1 St James's Square, London SW1Y 4PD; 020-7496 4000; fax 020-7496 4630; www.bp.com

ExxonMobil, Ermyn Way, Leatherhead, Surrey KT 22 8UX; ☎1372-222000; www.exxonmobil.com

Shell Services International Ltd., Shell Centre, London SE1 7NA; ☎020-7934 1234; fax 020-7934 8060; www.shell.com

Some of the major US oil companies can be contacted at the following addresses:

ChevronTexaco Corporation, 6001 Bollinger Canyon Road, San Ramon CA 94583; ☎+1 925 842 1000; www.texaco.com

Conoco Phillips, 600 North Dairy Ashford (77079-1175), PO Box 2197, Houston, TX 77252-2197; ☎+1 281 2931000; www.conocophillips.com

ExxonMobil Corporation, applications should be completed online on www.exxonmobil.com/careers/usa

Marathon Oil Corporation, 5555 San Felipe Road, Houston, TX 77056; ☎+1 713 629 6600; www.marathon.com

Occidental Petroleum Corporation, 10889 Wilshire Boulevard, Los Angeles, CA 90024; ☎+1 310 208 8800; www.oxy.com

Schlumberger Limited, 300 Schlumberger Drive, Sugar Land, TX 77478, USA; ☎+1 281 285 8500; fax +1 281 285 8548; www.slb.com. The company recruits graduates mainly as Field Engineers, but also as researchers, scientists and engineers. Applicants must have a good degree in engineering, physics, geology or geophysics and need to be single, physically fit and under 28 years old.

The following companies offer other career opportunities in oil industry:

Oilfield Production Consultants (OPC) Ltd., 1-2 Apollo Studios, Charlton Kings Road,

London NW5 2SB; ☎020-7428 1111; fax 020-7428 1122; e-mail london@opc.co.uk; www.opc.co.uk

ASC International; PO Box 24038, 2490 AA The Hague, Netherlands; ☎+31 70 317 8400; fax +31 70 320 4760; e-mail asc@nl.asc.net; www.asc.net, provides manpower services to the upstream oil and gas, petrochemical and power industries

RECRUITMENT CONSULTANTS

ABB Lutech Resources Ltd., Aquila House, 35 London Road, Redhill, Surrey, RH1 1NJ; ☎01737-236500; fax 01737-236546; e-mail lutech@gb.abb.com; www.lutech.lummusonline.com, recruits multi-disciplined engineers and technical staff for both upstream (oil and gas exploration and production) and downstream (petrochemicals and refineries) within the UK and overseas.

Ably Resource, 1 Buchanan Court, Stepps, Glasgow G33 6HZ; ☎0141-565 1270; fax 0141-565 1275; e-mail Jacqueline@ablyresource.com; www.ablyresource.com, provides engineering personnel to the oil and gas, construction and defence industries worldwide.

Air Resources Ltd., Bank House, 9 Charlotte Street, Manchester M1 4ET; 0870-112 9444; fax 0870-112 9445; e-mail resources@group-air.com; www.group-air.com. Supplier of global project services in the international process and energy, telecoms, banking and infrastructures markets. Recruits specialists in technical disciplines including oil and gas exploration and production, pipelines and petrochemicals to work on offshore and onshore sites in Europe, the Americas, West Africa, Middle East and former Soviet Union.

Al Wazan, PO Box 3994, Abu Dhabi, UAE; ☎+971 2 622 3400; fax +971 2 622 3334; e-mail alwazan@emirates.net.ae; www.alwazanuae.com, is one of the leading oil and gas recruitment agencies in the Gulf, covering Abu Dhabi, Dubai, Bahrain, Saudi Arabia, Qatar, Oman and Kuwait.

Anthony Moss and Associates Ltd., AMA Energy Management, Suite 350, Princess House, 50-60 Eastcastle Street, London W1W 8EA; ☎0207-323 2330; fax 0207-323 3340; www.amoss.com. Specialises in the recruitment of a wide range of senior management and professionals, specifically with up-stream oil and gas companies, in Europe, Africa, the Middle East and the Far East.

Aus Mining Personnel, Suite 16, 29 Grafton Street, Cairns, QLD 4870, Australia; ☎+61 7 4041 1377; fax +61 7 4051 0880; e-mail admin@ausmining.com.au; www.ausmining.com.au, recruits for the oil, gas, mining and construction industries in Australia, Papua New Guinea and Indonesia.

AustCorp Recruitment, PO Box 0969, QVB Post Office, Sydney NSW 1230, Australia; ☎+61 2 9290 2266; fax +61 2 9290 3828; e-mail enquiries@acrworld.com; www.acrworld.com. An Australian recruitment company specialising in national and international engineering markets and oil, gas and energy industry.

Carlton Resources Solutions, 21 Conduit Street, London W1S 2XP; ☎020-7499 4573; e-mail cvlondon@carltonrs.com; www.carltonrs.com; a local, national and international recruitment company operating in technical engineering, oil and gas, petrochemical, construction, building services and pharmaceutical industries.

Contracts Consultancy Ltd (CCL), 162-164 Upper Richmond Road, Putney, London SW15 2SL; ☎020-8333 4141; fax 020-8333 4151; e-mail ccl@cclglobal.com; www.cclglobal.com; and 11490 Westheimer, Suite 850, Houston, Texas TX 77077; ☎713-425 6304; fax 713-783 0067; e-mail ccl@ccl.us.com; www.cclglobal.com, recruits high calibre, qualified engineers and professionals with recent experience of offshore and onshore oil, gas, power and infrastructure projects in and for the UK, Europe, the Americas, Africa, the Middle East and the Far East.

The Delton Group, Ribblesdale House, 14 Ribblesdale Place, Preston PR1 3NA, Lancashire; ☎0177-2884 4545; fax 0117-2885 5005; e-mail recruitment@deltongroup.com; www.deltongroup.com. A technical recruitment and training consultancy providing

services to the worldwide oil, gas and petrochemical industry.

Executech International, 3rd Floor, Suite 202B, Tokai Village, Vans Road, Tokai 7945, Cape Town, South Africa; ☎+27 21 712 0663; fax +27 21 712 0599; e-mail info@medixmatch.com; www.executechintl.net. Provides personnel in the South African and Middle East oil and gas industries.

JMT Consultancy, 64 Stafford Road, Wallington, Surrey SM6 9AY; ☎020-8669 1518; fax 020-8669 2834; e-mail info@jmt.co.uk; www.jmt.co.uk, specialises in supplying technical and engineering personnel to the building services, oil and gas, onshore/offshore petrochemical, pharmaceutical and power industries.

L.A. Recruitment, 173 Union Street, Aberdeen AB11 6BB; ☎01224-212929; fax 01224-573845; e-mail jacquie@larecruitment.co.uk; www.larecruitment.co.uk. A privately owned company providing recruitment to engineering, and oil and gas industries for clients in the UK, Norway, Middle East, Far East, Australia and the US.

NES Overseas, Station House, Stamford New Road, Altrincham, Cheshire, WA14 1EP; ☎0161-942 7100; fax 0161-926 9867; e-mail admin@nesoverseas.com; www.nesoverseas.com, is a global staffing services provider. It operates across a range of sectors including oil and gas, construction, infrastructure, rail power generation and IT in the Middle East, Asia, Africa, the Americas and Europe.

Onstream European Consultancy, Nijverheidsweg 9, 1785 AA Den Helder, Netherlands; ☎+31 2 2366 9679; fax +31 2 2366 9668; e-mail jobs@onstreamgroup.com; www.onstreamgroup.com, employs worldwide management personnel, discipline engineers and construction management for both offshore and onshore oil and gas and petrochemical industries.

Petro-Canada, PO Box 2844, Calgary, Alberta T2P 3E3, Canada; ☎+1 403 296 8000; fax +1 403 296 3030; www.petro-canada.ca, is one of Canada's largest oil and gas companies, operating in both the upstream and the downstream sectors of the industry in Canada and internationally. Petro-Canada develops energy resources and provides petroleum products and services. The company employs approximately 5,000 professional, technical, clerical and secretarial staff. New graduates, co-op, internship and summer students can view and apply for current opportunities at their campus career centre.

Petroplan, 77-83 Walnut Tree Close, Guildford, Surrey GU1 4UH; ☎01483-881500; fax 01483-881501; e-mail info@petroplan.com; www.petroplan.com; recruits engineers in industries including chemicals, oil and gas and civil construction.

Professional Management Resources (PMR) Ltd, PO Box 23, Wadhurst, East Sussex TN5 6XL; ☎01892-784226; fax 01892-784228; e-mail info@pmr-worldjobs.co.uk; www.pmr-worldjobs.co.uk, recruits expatriate manpower for clients and projects in the Middle East, Far East and Africa. They deal in all engineering disciplines and provide support personnel to the civil construction, oil, gas, power and water industries.

Recruitment Services Ltd. (RSL), Penthouse Suite, Worthing House, 2-6 South Street, Worthing, West Sussex, BN11 3AE; ☎01903-820303; fax 01903-821414; e-mail jobs@rsljobs.com; www.rsljobs.com. Recruits for jobs within the oil, gas and petrochemical industries for both on and offshore in the UK and overseas.

Search Consultants International, 4545 Post Oak Place, Suite 208, Houston, TX 77027, USA; ☎713 622 9188; fax +1 713 622 9186; e-mail info@searchconsultants.com; www.searchconsultants.com. Specialises in the placement of mid to senior level engineers and managers in the chemical, petrochemical, oil and gas; environmental, health and safety; and independent power fields. Also places power marketers and power traders for independent power and energy companies. Additional employment in finance, accounting, and sales.

Senit Associates, Victoria House, East Blackhall Street, Greenock PA15 1HD; ☎01475-806807; e-mail info@senit.co.uk; www.senit.co.uk. Supplies a list of UK and overseas job opportunities in areas such as power, oil and gas, petrochemical and engineering.

Umm Al-Jawaby Oil Service Company Limited, Recruitment Department, 15-17

Lodge Road, London NW8 7JA; ☎020-7314 6000; fax 020-7314 6136; e-mail mdean@jawaby.co.uk, pnicholls@jawaby.co.uk; www.jawaby.co.uk. Overseas recruitment for the oil and petrochemical industries.

PROFESSIONAL ASSOCIATIONS

The American Petroleum Institute, 1220 L Street NW, Washington DC 20005, USA; ☎+1 202 6828000; www.api.org, is a regulatory and research organisation representing more than 400 companies in the oil and gas industry. The institute can provide information on employment prospects in the industry.

The Energy Institute, 61 New Cavendish Street, London W1G 7AR; ☎020-7467 7100; fax 020 7255 1472; info@energyinst.org.uk www.energyinst.org.uk. This organisation gives advice to those intending to work in the oil industry in the UK in the upstream and downstream sectors, onshore and offshore. The Institute produces a wide range of useful publications, career information booklets, and oil data sheets, which are available to the public. *Energy – Careers in the Oil and Gas Industry* outlines careers opportunities for graduates and the different fields of work in the oil industry (the list is available online). *Working Offshore* is a useful information pack which is regularly updated, outlining training courses, jobs available in North Sea operating companies, drilling companies and construction yards, and a list of recruitment agencies handling such work. Both are available online or printed copies can be obtained from Energy Institute, Library and Information Services (address above).

Other professional bodies offering advice and information in the industry include:

The Petroleum Exploration Society of Great Britain, 5th Floor, 9 Berkeley Street, London W1J 8DW; ☎020-7408 2000; fax 020-7408 2050; e-mail pesgb@pesgb.org.uk; www.pesgb.org.uk

UK Offshore Operators' Association, 2nd Floor, 232-242 Vauxhall Bridge Road, London SW1V 1AU; ☎020-7802 2400; fax 020-7802 2401; e-mail info@ukooa.co.uk; www.ukooa.co.uk

UK Petroleum Industry Association (UKPIA), 9 Kingsway, London WC2B 6XF; ☎020-7240 0289; www.ukpia.com

Offshore Technology is the website for the offshore oil and gas industry, and can be found on the Internet at www.offshore-technology.com.

MINING

Like the oil industry, mining is dominated by large multinationals, which means that there are very good prospects for working all around the world. The main areas for recruitment are the former Soviet Union, Canada, Australia and South Africa. Other countries such as Brazil, Thailand and Malaysia employ experienced international workers in their mining industries, particularly in training and engineering, as well as in administration and other areas. All mining companies employ geologists, metallurgists, geophysicists and surveyors, and employment prospects abroad in these professions are good.

SOURCES OF EMPLOYMENT

ARA (Applied Research Associates), 4300 San Mateo Boulevard NE, Suite A-220 Albuquerque NM87110, US; ☎+1 505 881 8074; fax +1 505 883 3679; e-mail info@ara.com; www.ara.com, provides research, engineering and technical support services in the US. Recruits specialists in categories including construction, mining, information technology and engineering.

Aus Mining Personnel, Suite 16, 29 Grafton Street, Cairns, QLD 4870, Australia; ☎+61 7 4041 1377; fax +61 7 4051 0880; e-mail admin@ausmining.com.au; www.ausmining.

com.au. Recruit for the oil, gas, mining and construction industries in Australia, Papua New Guinea and Indonesia.

Earthworks-jobs, www.earthworks-jobs.com. Jobs in oil, energy and mining.

P.W. Overseas Mining Ltd., Leabeg, Newcastle Road, Kilcoole, Co. Wicklow, Ireland; ☎1-287 2400; fax 1-287 1717; e-mail pwm@pw-limited.com; www.pw-limited.net; specialises in construction and mining operations in Africa.

Rio Tinto plc, Human Resources Department, 6 St. James's Square, London SW1Y 4LD; ☎020-7930 2399; fax 020-7930 3249; www.riotinto.com. Rio Tinto is one of the world's leading mining companies whose operations are highly diverse, both geographically and by commodity.

PROFESSIONAL ASSOCIATIONS

Institute of Materials, Minerals and Mining, 1 Carlton House Terrace, London SW1Y 5DB; ☎020-7451 7300; fax 020-7839 1702; www.iom3.org

Institute of Quarrying, 7 Regent Street, Nottingham NG1 5BS; ☎0115-945 3880; fax 0115-948 4035; e-mail mail@quarrying.org; www.quarrying.org

RICS (Royal Institution of Chartered Surveyors), 12 Great George Street, Parliament Square, London SW1P 3AD; ☎0870-333 1600; e-mail contactrics@rics.org; www.rics.org/careers

Association for Mineral Exploration British Columbia (AME BC), 800-889 West Pender Street, Vancouver, British Columbia, V6C 3B2, Canada; ☎+1 604 689 5271; fax +1 604 681 2363; www.amebc.ca

USEFUL PUBLICATIONS

The Directory of Quarries and Pits, published by the Institute of Quarrying.

The Geologist's Directory, published annually by the Geological Society Publishing House.

Minerals Industry International. Journal of the Institute of Materials, Minerals and Mining.

Mining Journal. London-based, monthly publication (www.mining-journal.com).

CIVIL ENGINEERING

There are numerous specialisations within civil engineering; these include structural, water and waste management, coastal and transport engineering, as well as geotechnics and water resource planning. This diversity of skills means that appropriate recruitment organisations may also be found listed in other chapters of this book for example in, among others, *International Organisations* and *Agriculture and the Environment*.

RECRUITMENT CONSULTANTS

Below is a selection of the many management recruitment consultancies involved principally in engineering recruitment. Those with a broader field of interest are otherwise listed in the *Getting the Job* chapter.

The AIM Group, Suite 300, 400 5th Avenue SW, Calgary, AB, T2P 0L6, Canada; ☎+1 403 303 2881; fax +1 403 303 2883; e-mail calgary@theaimgroup.ca; www.theaimgroup.ca, is an international recruitment company offering placements in design, engineering, procurement and construction management.

AndersElite, Capital House, 1 Houndwell Place, Southampton SO14 1HU; ☎023-8021 9209; fax 023-8021 9176; e-mail contactus@anderselite.com; www.anderselite.com. AndersElite are marketing-leading consultants serving fourteen professional sectors across the Built Environment, providing total recruitment solutions for a widespread private and public portfolio. With a network of regional offices throughout the country, they provide a

traditional consultancy service and an e-recruitment website.

ASA International, Head Office: 6 Coates Crescent, Edinburgh EH3 7AL; ☎0131-226 6222; fax 0131-226 5110; e-mail edinburgh@asainternational.co.uk; www.asainternational.co.uk. ASA International is Scotland's largest independent recruitment organization. It has offices in Edinburgh, Aberdeen, Glasgow and Kirkcaldy. It also has overseas division. ASA provides a wide-ranging service through specialist divisions (including construction and building, and engineering), which recruit permanent, temporary and contract staff from junior to management level. ASA consultants ensure that the candidate is best prepared for any interview or position.

Beresford Blake Thomas (BBT), PO Box 500362, Dubai, UAE; ☎+971 4 390 0375; e-mail etwaite@bbtworldwide.com; www.bbtuae.com, is a human resources and recruitment consultancy covering the technical engineering and healthcare markets worldwide. Its website lists vacancies grouped according to regional offices throughout the world, with main focus on Middle East.

Daulton Construction Personnel, 2 Greycote Place, London SW1P 1SB; ☎020-7222 0817; fax 020-7233 0734; e-mail info@daultonpersonnel.co.uk; www.daultonpersonnel.co.uk. Specialise in architecture, construction and engineering, with vacancies for civil, mechanical, and project engineers worldwide.

Desurvey PLC, Old Harbour Office, Embankment Road, St. Helens, Ryde, Isle of Wight PO33 1YS; ☎01983-875999; fax 01983-874933; e-mail jim@desurvey.com; www.desurvey.com, places design, engineering and IT personnel in the process and energy industries.

Fircroft, Trinity House, 114 Northenden Road, Sale, Cheshire M33 3FZ; ☎0161-905 2020; fax 0161-969 1743; hq@fircroft.co.uk. Recruitment specialists with a global network of offices. Recruits for a broad spectrum of industry sectors including chemical, oil and gas, mining and engineering.

Heads Recruitment, Thornley House, Carrington Business Park, Carrington, Manchester M31 4SG; ☎0161-746 7575; fax 0161-777 9431; e-mail engineering@heads-uk.com; www.heads-uk.com, recruits for engineering, construction and associated industries.

International Staffing Consultants Inc, 17310 Redhill Avenue #140, Irvine CA92614, USA; ☎+1 949-255 5857; fax +1 949 767 5959; e-mail iscinc@iscworld.com; www.iscworld.com, are members of the largest and oldest network of employment agencies in the world, the NPA. They recruit experienced and qualified engineers, as well as managers, sales, marketing and IT professionals for the USA, Europe and the Middle East.

Premier Personnel Ltd., 25-29 High Street, Leatherhead, Surrey KT22 8AB; ☎01372-379183; fax 01372-372301; e-mail candidate@prem-per.demon.co.uk; www.premierpersonnel.co.uk, recruits for jobs in civil, electrical and mechanical engineering and oil and gas industries throughout the world.

Professional Management Resources Ltd. (PMR), PO Box 23, Wadhurst, East Sussex TN5 6XL; ☎01892-784226; fax 01892-784228; e-mail info@pmr-worldjobs.co.uk; www.pmr-worldjobs.co.uk, recruits for international engineering primarily to its clients in the UK, European Community, Middle East, Far East and Africa.

SEPAM Specialist, 41-44 Upper Irishtown, Clonmel, Co. Tipperary, Republic of Ireland, ☎+353 52 83600; fax +353 52 22674; e-mail info@sepam.com; www.sepam.com. A privately owned Irish based international engineering, procurement, management and construction company. It operates in the US, Europe, Middle East, Asia and former Soviet Union.

Taylor Recruitment Ltd., 1 St John's Court, Farncombe Street, Godalming, Surrey GU7 3BA; ☎01483-418383; fax 01483-418989; e-mail jobs@taylorrecruitment.com; www.taylorrecruitment.com. A specialist supplier in sectors including oil, gas and petrochemical industry and civil and structural engineering.

TechStaff Recruitment Ltd., 11 Strand Road, Bray, Co. Wocklow, Republic of Ireland;

☎+353 1 276 3030; fax +353 1 286 1522; e-mail Elaine@techstaff.ie; www.techstaff.ie, recruits engineers and designers for large industrial, commercial and residential projects in Ireland and Australia.

Wadi Jobs & Consultancy Dubai, PO Box 37103, Dubai, UAE; ☎+971 4 398 3540; fax +971 4 398 9051; e-mail info@wadijobs.com; www.wadijobs.com; a privately owned company specialising in recruitment in Middle East in sectors including engineering.

PROFESSIONAL ASSOCIATIONS

Royal Institute of British Architects (66 Portland Place, London W1B 1AD; ☎020-7580 5533; fax 020-7255 1541; www.architecture.com). RIBA Appointments and RIBA Classified (www.riba-jobs.com) handles UK and overseas appointments (often in the Middle East) for experienced architects and architectural technicians. Its *International Directory of Practices* gives details of British firms with overseas offices.

Royal Institute of Chartered Surveyors (RICS Contact Centre, Surveyor Court, Westwood Way, Coventry CV4 8JE; ☎0870-333 1600; e-mail contracts@rics.org; www.rics.org.uk) has a recruitment consultancy which can advise on overseas employment. More than 7,000 of its qualified members are serving overseas in 100 countries.

Institution of Engineers and Technology (Savoy Place, London WC2R 0BL; ☎020-7240 1871; fax 020-7240 7735; e-mail postmaster@theiet.org; www.theiet.org) provides a professional brief for its members called *Working Abroad* which contains general information on living and working abroad. Its fortnightly newspaper *IEE Recruitment* is included as a supplement with *IEE News* and *IEE Review* and contains classified advertisements which sometimes include overseas positions. Vacancies are also carried on the IET website.

Other professional bodies that may be able to offer advice on overseas employment are: *Association of Consulting Engineers*, Alliance House, 12 Caxton Street, London SW1H 0QL; ☎020-7222 6557; fax 020-7222 0750; e-mail consult@acenet.co.uk; www.acenet.co.uk

British Geotechnical Society, at The Institution of Civil Engineers, 1 Great George Street, London SW1P 3AA; ☎020-7665 2233; fax 020-7799 1325; e-mail bga@britishgeotech.org.uk; www.britishgeotech.org.uk

The Institution of Structural Engineers, 11 Upper Belgrave Street, London SW1X 8BH; ☎020-7235 4535; fax 020-7235 4294; www.istructe.org.uk

TRADE JOURNALS

Engineers from all sectors will find trade journals useful sources of employment information. The following are key industry publications:

Building Engineer (monthly), *Building Services and Environmental Engineering* (monthly), *Construction News* (weekly), *Contract Journal* (weekly), *Electronic News*, *New Civil Engineer* (weekly), *Surveyor* (weekly), *The Engineer*.

ONLINE RECRUITMENT

The Career Engineer, www.thecareerengineer.com. Engineering and construction jobs for graduates.

Hays, www.hays.com/engineering. International job opportunities in engineering.

Red Goldfish, http://engineering.redgoldfish.co.uk/jobs.asp. Engineering jobs across the UK.

UK Civil Engineering, www.ukcivilengineering.com. Civil engineering and construction jobs in the UK.

Utility Job Search, www.utilityjobsearch.com/engineer-jobs. Lists engineering jobs in the UK utilities industry.