

Offshore Engineering Information Guide

Locating Offshore Engineering Information

The following is a list of key shelf numbers for the offshore subject areas. If you are looking for a particular book please check the library catalogue.

| | | | |
|--------------------------------------|----------------|----------------------------|--------------------|
| Natural gas | 665.792 | Petroleum technology | 665.5 |
| Ocean engineering | 623.82 | Pipelines | 621.8762 |
| Offshore structures | 627.98 | Waste treatment & disposal | 628.445 |
| Petroleum production | 622.38 | Wave & tidal energy | 621.312 134 |
| Petroleum storage and transportation | 665.54 | Wind energy | 621.5 |

Useful Books

| | |
|---|-------------------------------|
| Becht C, Process piping: the complete guide to ASME B31.3 (2004) | 660.283 BRE (Oversize) |
| Chakrabarti, SK, Handbook of offshore engineering, Vols 1 & 2 (2005) | 627.98 CHA |
| Etube, LS, Fatigue and fracture mechanics of offshore structures (2001) | 627.98 ETU |
| Gerwick, BC, Construction of marine and offshore structures, 3rd ed (2007) | 627.98 GER |
| Guo, B, Offshore pipelines (2005) | 621.8672 GUO |
| HSE, Assessment principles for offshore safety cases (1998) | 627.98 |
| Hyne NJ, Nontechnical guide to petroleum geology, exploration, drilling and production (2001) | 622.38 HYN |
| Kidney, AJ & Parrish, WR, Fundamentals of natural gas processing (2006) | 665.792 KID |
| Lucas AG & Dawe, R, Modern petroleum technology, Vols 1 & 2 (2000) | 665.5 LUC |
| Takahashi P and Trenka A, Ocean thermal energy conversion (1996) | 621.312 134 TAK |
| Tsinker GP, Marine structures engineering: specialized applications (1996) | 627.98 TSI |

Recent IMechE conferences and seminars

The following are shelved alphabetically by year in the Conference/Seminar section of the library.

- [Composites for the offshore oil and gas industry](#), IMechE seminar 1998
- [Fluid machinery for the oil, gas, and petrochemical industry](#), IMechE conference 2002
- [Offshore wind energy the technical challenge](#), IMechE seminar 2002
- [The training of engineering personnel for the offshore oil and gas industry](#), IMechE seminar 1996

E-books

The following electronic books are available in the Knovel database in the Virtual Library:

- Guo, B, Song, S, Chacko, J, Ghalambor, A, Offshore pipelines, 2005
- Herbich, JB, Developments in offshore engineering - wave phenomena and offshore topics, 1999
- Lees FP, Loss prevention in the process industries (2nde), 1996

Muhlbauer, WK, Pipeline risk management manual - ideas, techniques, and resources 3rd edition, 2004
Nixon, JH, Underwater repair technology, 2000
Nolan DP, Handbook of fire and explosion protection engineering principles for oil, gas, chemical, and related facilities, 1996
Schumacher M, Seawater corrosion handbook, 1979

Available via the Books24x7 service in the Virtual Library

APQC, Offshore ready: strategies to plan and profit, 2004
Becht, C, Process piping: the complete guide to ASME B31.3, 2004
Mohitpour, M, Golshan, H and Murray, A pipeline design and construction: a practical approach, 2005
Mohitpour, M, Szabo, J and Van Hardeveld, T, Pipeline operation and maintenance: a practical approach, 2005
Ronald, MH, Perez de la Mesa, MJ Archambeau, S, Managing operations in offshore locations, 2007

Directories

The following titles are useful for those researching the marine or offshore industries. Most are shelved in the Directory Section of the Library.

| | |
|--|---------------------------------|
| Energy Sourcebook 2005 | 621.4 (Directory) |
| Pegasus oil, gas and energy directory 2007/8 | 621.4 (Directory) |
| World Energy Outlook 2006 | 621.4000 031 (Directory) |

Useful Journals

Please check the library catalogue to see if the library subscribes to your required journal. Current issues of key journals are held on the journal display rack. The back copies of these journals are stored in the basement. Please ask a member of staff if you wish to view any and they will be retrieved for you. This generally takes 10-15 minutes.

| | |
|---|---------|
| Ocean engineering | 1968-88 |
| Offshore marine technology | 2004- |
| Oil and gas journal | 5 years |
| Petroleum Review | 1987- |
| Proceedings of the IMechE part M: Journal of engineering for the maritime environment | 2002- |
| Transactions of the ASME: Journal of offshore mechanics and arctic engineering | 1880- |

The library has an extensive collection of historical journals including *Engineer* from 1856-, *Engineering* from 1866-

A number of journals are available electronically via EBSCOhost which is available in the IMechE Virtual Library. Click here to see a list of [titles](#) or to see [titles by subject](#).

Databases

Offshore Mechanics and Arctic Engineering (OMAE) Conference Proceedings CD-ROM

The OMAE conference proceedings from 1998 onwards are held on CD-ROM and can be accessed in the library. Conferences preceding this date may be held in hardcopy in the library. Please check the library catalogue for details of holdings.

Useful links

| | |
|---|--|
| American Gas Association | www.aga.org |
| American Petroleum Institute | www.api-ec.api.org |
| British Wind Energy Association | www.britishwindenergy.co.uk |
| Energy Information Administration | www.eia.doe.gov |
| Energy Institute | www.energyinst.org.uk |
| Institute of Marine Engineering, Science and Technology | www.imarest.org.uk |
| International Association of Drilling Contractors | www.iadc.org |
| International Energy Agency | www.iea.org |
| International Marine Contractors Association | www.imca-int.com |
| National Ocean Industries Association | www.noia.org |
| Northern Offshore Federation | www.nof.co.uk |
| Offshore Engineer magazine | www.oilonline.com/oe |
| Offshore Engineering Information Service | www.techxtra.ac.uk/offshore |
| Offshore Engineering Society | www.oes.org.uk |
| Offshore Technology | www.offshore-technology.com |
| Oil and Gas Online | www.oilandgasonline.com |
| Society of Petroleum Engineers | www.spe.org |
| UK Offshore Oil and Gas Industry Association (Oil & Gas UK) | www.ukooa.co.uk |