

Safety and Reliability Information Guide

E-books

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Guidelines for engineering design for process safety, 1993
Handbook of fire and explosion protection engineering principles for oil, gas, chemical, and related facilities
Affonso, L, Machinery failure analysis handbook – sustain your operations and maximise uptime, 2006
Cox A and Tait R, Safety, reliability and risk management – an integrated approach (2nd ed), 1998
Cheremisinoff N P, Environmental and health & safety management – a guide to compliance, 1995
Crowl D A, Understanding explosions, 2003
Davletshina T A, Industrial fire safety guidebook, 1998
Eckhoff R K, Explosion hazards in the process industries, 2005
Goettsch, L, Maintenance of instruments and systems (2nd edition), 2005
Hester R E and Harrison R M, Risk assessment and risk management, 1998
Johnson R W et al, Essential practices for managing chemical reactivity hazards, 2003
Mobley R K, Root cause failure analysis, 1999
Nolan D P, Fire fighting pumping systems at industrial facilities, 1998
Nolan D P, Application of HAZOP and What-If Safety Reviews to the Petroleum, Petrochemical and Chemical Industries, 1994

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A manager's guide to health and safety at work, Kogan, 2003
Benchmarking best practices in maintenance management, Industrial Press, 2004
Effective maintenance management: risk and reliability, Industrial Press, 2004
Handbook of reliability engineering, Springer, 2003
Health and safety at work: an essential guide for managers, (revised 8th edition), Kogan, 2008
Health, safety and environmental legislation, Royal Society of Chemistry, 2003
The little black book of maintenance excellence, Industrial Press, 2008
The little black book of reliability management, Industrial Press, 2008
Maintainability, availability and operational readiness, DEStech Publications, 2003
Managing risk and reliability of process plants, Gulf Professional Publishing, 2003
Preventive maintenance, Industrial Press, 2008
Process problem solving: a guide for maintenance, Productivity Press, 2001
RCM guidebook: building a reliable plant maintenance, PennWell Corp, 2004
Reliability engineering handbook, vols 1 & 2, DEStech Publications, 2002
Reliability and life testing handbook, vols 1 & 2, DEStech Publications, 2002
Systems reliability and failure prevention, Artech House, 2004

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Andrews J D, Reliability and risk assessment

Kletz T A, Hazop and hazan: identifying and assessing process industry hazards

Lawson D, Engineering disasters – lessons to be learned 2005

Fire safety 2006

Smith A M and Hinchcliffe G R, RCM: gateway to world class maintenance 2004

Reliability and robust design in automotive engineering 2006

Macdonald D, Practical industrial safety, risk assessment and shutdown systems for industry

Moss T R, The reliability data handbook 2005

Ridley J, Health and safety in brief 2004

Ridley J, Safety with machinery 2006

Perry P, Winning with health and safety: a guide for business 2005

Thompson G, Improving maintainability and reliability through design

Tweeddale M, Managing risk and reliability of process plants 2003

Wong W, How did that happen 2002

Wong W, Keep it running, keep it safe 2004

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Recent IMechE Safety and Reliability conferences and seminars

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

[Challenges for our ageing asset base - ensuring safety, reliability and operability](#), 2008

[Cost of safety through life](#), 2006

[Fit for purpose safety cases](#), 2009

[Reliability development – testing and analysis](#), 2006

[Risk education for engineers](#), 2007

[Software reliability](#), 2007

[Using human factors – major gains and no pain](#), 2008

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Fire prevention and fire engineers' journal, 1975-
Health and safety at work (HSW), 1 year
IMechE Proceedings part O Journal of risk and reliability, 2006-
Insight,1959-
The ROSPA occupational safety and health journal, 5 years