

Curriculum Vitae



David Lee



Details

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Qualifications

Certificate 4 Training and Assessment.	Associate Diploma in Agriculture
Graduate Certificate in Occupational Hazard Management	Diploma of Quality Auditing BSBS1615
Certified Asset Management Assessor	Rail Worker Safety TLIF2080
Certificate Safety Management Systems RABQSA-OH.	Environmental, Safety and Quality Lead Auditor
Certificate IV in Training and Assessment	Masters Environmental Engineering (uncompleted)

Summary

I am a contract risk management systems assessor, specialising in the certification of risk management systems, bringing highly developed expertise in corporate and industrial risk management, particularly in the management and minimisation of risks associated with safety, dangerous goods and environmental risks and hazards, both here in Australia, Asia and Africa.

My experience includes undertaking risk management assessments for Mining, Oil and Gas, Forestry, Civil and Commercial Construction, State and Federal government agencies, engineering and science consultancies, and international research clients.

I have extensive experience in safety and environmental management systems, both from a development and certification phase. I have managed project teams in ISO 14001, ISO 9001, ISO 55000, OHSAS 18001, AS/NZS 4801, ISO 45001 CD2, NAT FSC, IFC and International Cyanide Code. I have developed OHS systems for sites in Australia, New Zealand, Europe, Americas, Asia and Africa based on Australian and International Standards.

I have developed training packages for dangerous goods, safety and environmental management and have my certificate 4 in training and assessment.

I have assisted several mines in South East Asia in developing and meeting their International Cyanide Code compliancy obligations through development assessment and implementation, and IFC Environmental, Health, and Safety (EHS) Guidelines 2007 and Indonesian Government Decree of the Minister Of Mines And Energy Number: 555.K/26/M.PE/1995 (Dangerous goods and hazardous materials provisions).

I have extensive experience throughout Australia, New Zealand, Africa and South-East Asia in project risk management, undertaking site risk assessments and certifying companies to international standards of risk management, predominately in Indonesia, Malaysia and China.

I have also undertaken ISO 14064 assessments of large power generators, ensuring that they have met the NGRS reporting requirements and that the OSCAR models have been fully identified and implemented accurately. This included not only the power generation but also the mines and ancillary services such as on site landfills and other services. Projects included assessment of operational controls, GHG Inventory Components, Data and Inventory quality management and associated reporting requirements.

I am a Trained ISO 55000 Asset Management Systems Auditor with experience in heavy equipment manufacturing and utilities asset management (water and electricity).



Risk/Compliance Auditor and Project Manager

ES3 GLOBAL PTY LTD (2006- CURRENTLY)

Through my own consultancy practice I contract to clients in Australia, New Zealand, Africa, The Pacific and Central and Eastern Asia, working in risk management, both as an assessor and a project manager. I am currently contracted to several major mining, engineering consultancies and international certification bodies.

I have conducted safety ISO 45001 assessment and training based on the CD2 criteria. I have developed and implemented safety management systems including HAZOP and International Cyanide Code for international mining companies and delivered training on all the relevant standards.

I have assisted companies in the development and implementation through to certification of ISO 14001 and ISO 55001 management systems in Australia, South East Asia and New Zealand.

I have assisted mining companies in attainment, development and assessment of the International Cyanide Code and World Bank IFC Community Environmental, Health, and Safety (EHS) Guidelines 2007.

Environment, Safety and Quality Lead Auditor

BRITISH STANDARDS INSTITUTE, SAI GLOBAL AND COMPASS ASSURANCE SERVICES (2003 – NOW (CURRENTLY CONTRACTED TO COMPASS ASSURANCE)

My key operations are associated with heavy and high-risk industries. I Managed national and international contracts in the certification of Safety, Quality and Environmental Management Systems for mining companies, regional water authorities, federal government agencies, power stations (coal and hydroelectric), power transmission, petrochemical plants and associated industries. I worked in Australia, New Zealand, Africa, South East Asia, South America and Europe.

Environmental/Safety Consultant

ECOtec ENGINEERING SERVICES AND OTEK AUSTRALIA, VICTORIA & WESTERN AUSTRALIA (1991 – 2003)

Undertook and managed a wide range of assessment projects for water authorities, port authorities, oil producers, waste management companies, mining companies and engineering firms in land and water remediation projects, mainly associated with chemical pollution events.

Senior Field Technician

ARIMCO, WESTERN AUSTRALIA (1989 – 1991)

Field Technician

WESTERN GEOPHYSICAL, WA (1987 – 1989)



Qualifications

Certified Asset Management Assessor
World Partners in Asset Management

Certificate IV in Training and Assessment
Parasol EMT

Environmental, Safety and Quality Lead Auditor
Quality Society of Australasia (RABQSA)

Rail Worker Safety TLIF2080
Metro Academy

Certificate Safety Management Systems RABQSA-OH.
SAI Global

Certificate 4 Training and Assessment.
Parasol.

Diploma of Quality Auditing BSB51615
MGTD Pirii

Graduate Certificate in Occupational Hazard Management
University of Ballarat

Associate Diploma in Agriculture
Curtin University

Environmental, Quality, Asset Management and Safety Lead Auditor.

Key Projects

Undertake audits for high risk clients including power stations, gas, water and electricity utilities, petroleum product and various other chemical plants and the oil refining and petroleum products industries. The majority of the projects have been third party auditing, as well as second party legislative compliance and project/report verification assessments

- includes full international accreditation to ISO 14001, ISO 9001 and associated preliminary and surveillance audits
- includes 14064 GHG assessments of power stations.
- OHSAS 18001, ISO 45001 and AS 4801 safety management systems.
- ISO55001 Asset Management Systems development for electrical power transmission New Zealand.
- have conducted due diligence and compliance audits against local and international legal and other requirements for companies or sections of companies with and without safety or environmental accreditation. This includes international commitments such as IFC Environmental, Health, and Safety (EHS) Guidelines 2007 and the International Cyanide Code.



Environmental, Quality and Safety Consultant.

Key Projects

- Safety and Environmental management systems development, compliance assessments and systems audits:
 - Syama Mine, Mali, Africa
 - Konkola Mine, Zambia. Africa
 - Gosowong Mine, Halmahera, Indonesia.
 - Phu Kham and Ban Houayxai Mines, Laos.
 - Bravus Coal Mine, QLD
 - Cooljarloo Mine, WA.
 - New Hope Mine, WA
 - 8 Mile (RioTinto Iron Ore) WA
 - Mt Whaleback Mine WA
 - Bronsewing Mine WA
 - Ok Tedi Mine, Papua New Guinea.
 - Saracen Gold Mine WA
 - Prominent Hill Mine SA
 - Gidgee Gold Mine WA
 - Black Cat Mine WA
 - Roseberry Mine Tasmania
 - Syama Mine Laos
 - Invincible Mine WA
 - Karara Mine WA
 - Carosue Dam Mine WA
 - Thunderbox Mine WA
 - Gidgee Gold Mine, Western Australia.
- Safety and environment teams systems and development at PT NHM Gosowong Gold Mine in development of systems to assess and manage



David Lee

dangerous goods on site to Indonesian legislation and International Cyanide Code compliance.

- Contract safety assessor for Victorian State Government (Major Projects Victoria, Development Victoria and the Department of Economic Development:
 - MCEC
 - Flinders St Station
 - Melbourne Park Redevelopment
 - Rod Laver Arena
 - Tanderrum Bridge
 - AAMI Park
 - Haemer Hall Redevelopment
 - Epping Markets
 - National War Memorial
 - Victorian Emergency Management Training Centre.
- Rail auditing of Rio Tinto Pilbara Rail, Agile Group – Pacific National Rail expansion project, Metro Rail (Victoria), Xtrata Rail unloader Abbot Point
- Rio Tinto Hope Downs Rail Loop Project
- Rail Safety and environment auditing Grain Corp Western Australia
- Tunnel safety and environmental auditing for Translink Operations Victoria.
- Currently contracted to Outotec and SMEC International to undertake safety assessments and assist in development of risk management systems to comply with related standards.
- Currently contracted to Compass Assurance as a contract auditor specialising in heavy industry.
- Developed a full safety management system for several mines in central Asia.
- Worked with power generation and transmission companies in Australia and New Zealand with assessment and development of risk management systems and compliance assessment. (TXU, MainPower, Delta Electricity, Eraring Energy, Pacific Hydro, Loyang Power, Western Power, Powercor, Snowy Hydro and Ergon).



David Lee

- Developed products and services to improve the performance of bioremediation projects, particularly with regard to aquaculture, waste water and waste water reuse, in Australia, Singapore, Malaysia and China.
- Developed an Integrated Management System for Walton Construction, including Quality, Safety and Environmental issues, all based on a quality ITP processes.
- Contracted to Rivalea Australia to assist in development and training with regard to their risk management processes.
- Contracted to Rio Tinto Expansion Projects to do second party assessments of construction contractors.
- Conducted compliance assessments for AMCOR Fairfield mill.
- Developed an environmental management system for Australian Pork Limited and conducted grower assessments and training.
- Assessed and managed the remediation of pockets of contaminated land at Werribee for Melbourne Water, including a geophysical survey and soil sampling program of 1,200 sample sites and a full assessment and remediation
- Enabled the organisation to obtain EPA approval to subdivide and sell the land for residential purposes which would generate \$40m in revenue when realised.
- Assessed and managed the remediation of 45,000 cubic metres of organic and inorganic contaminated biosolids and soil for Western Water. First project of its kind in Victoria conducted under the auspices of the EPA's draft environmental guidelines
- The project cleared a parcel of land and allowed it to be rezoned for residential use by eliminating potential environmental risk following the removal and treatment of the pollutants.
- Developed and implemented the Port of Portland's ISO 14000 Environmental Management System, including systems and audits of Port subcontractors and lessees and Long Term Environmental Monitoring Plans and international, national and local regulatory authority requirements management which enabled the organisation to manage all environment risks.
- Conducted several UPSS assessments for industry and petrochemical companies based on the Victorian EPA 488 publication.
- Assisted with development of IMS for Cut n Fill Civil Contractors.
- Assisted with development of IMS for Negri Civil Contractors.
- Assisted in a risk assessment of all facets of production at the Numundo palm oil facility in Papua New Guinea which enabled the company to modify their



David Lee

waste management systems to increase the productivity of their nurseries, produce their own fertilisers from waste material and reduce disease issues in crops

- Provided scientific backup to the team in the area of bioremediation and provided the scientific support to facilitate the original trials and develop the system for managing the project.
 - the company saved millions of dollars and assisted the local communities with rebuilding after the Rabaul Volcano explosion.
- Conducted a whole site survey for a Australia's largest supplier of live ducks based to audit the nature and volume of the company's waste streams and developed a waste management system that ensured the company met its regulatory obligations and enabled the company to establish a new business generating income for the finished product.
- Established and managed Victoria's largest municipal organic wastes recycling facility which treats over 100,000 tonnes of waste a year. Included securing licences and works approvals from the EPA, developing and obtaining accreditation for an auditable quality assurance system.
- Developed an ISO 14000 environmental management system and assisted with the annual environmental report for the ARIMCO Gidgee gold mine in WA to enable the company to meet its regulatory and financial reporting obligations
- conducted assessments of all departments and sites and developed a system that allowed all units to meet regulatory and corporate requirements
- The system integrated the responses from all sites and departments which facilitated meeting all reporting requirements.
- Developed an environmental aspect register and assisted in the establishment of an environmental management program for the ARIMCO Mt McClure gold mine in WA.
- Undertook the physical assessment of all sites and departments for environmental risk and developed a risk management system to meet the regulatory requirements which was subsequently integrated into the KPIs of all departments.
- Assisted in the establishment of an environmental management system focused on resource utilisation to enable the company to meet its regulatory obligations
- Developed the management system to integrate into their business planning program, with responsibility for assessing all the risks and developing a system to manage them.



David Lee

- Established Liquid Engineering's (pollution control) presence in Malaysia, Indonesia and Singapore, with responsibility for recruiting, establishing and training the company's Asian based team and for assisting in complex projects for high profile clients.
- Established Enretch in Malaysia as a hydrocarbon bioremediation company, providing a platform for the company's expansion to Indonesia and Singapore. Included securing a local distributor and training the company's Malaysian staff.
- Developed the Environmental Legislation and Regulatory Aspects Register for a Grain Supply Company to enable the organisation to meet its regulatory obligations.
- Identified the cause, rectified and remediated the environmental harm caused by a fuel leak from an underground fuel system at Tullamarine Airport.
- Managed the bioremediation of a hydrocarbon plume at a Caltex petrol station site in Mandurah, Western Australia which had resulted in the displacement of hundreds of tonnes of soil.
- Managed a research project to investigate the bioremediation of hydrocarbon contaminated tank sludges from BP oil refineries.
- Managed the bioremediation of phenol contaminated foundry sands for Ford Australia and General Motors Holden.
- Assessed lead contamination from gunshot in a former shotgun club, including soil assessment of over 70ha of land.
- Managed the composting of all forms of putrescible industrial waste derived from the Colac-Otway region of Victoria for Transwest.
- Bioremediation 45,000 m³ of biosolids contaminated with organic and inorganic contaminants for Western Water.
- Prepared an Environmental Management Plan for acid sulphate soils for Western Recycle.
- Set up a treatment program for phenol contaminated foundry sands and polynuclear aromatic hydrocarbon contaminated soils for Ford and Holden foundry wastes.
- Developed the emergency response procedures for Ampol's Tanker Division. Trialled a new product to stop leaks from bulk tankers and used it to develop an emergency response kit for all tankers. Trained all staff and installed the kits, which are still in use, in all of the company's heavy tankers.
- Set up and managed clay road stabilisation projects in Western Australia and Victoria mostly involving the dust suppression of mine haulage roads.



David Lee

Publications

- Engaged by Liquid Engineering South Africa to help establish systems for Anglo American Nickel Mines to better manage their machinery.
- Worked with BP Zambia to improve the performance of mine vehicles which used fuel with a very high sulphur content by improving hygiene and service systems and eliminating water contamination and associated fungi.

- Environmental and Safety Risk Controls.
- Causation Theory
- She'll be right – Australian Risk Culture
- Organic Waste Management in Australia and Opportunities for Regional Development. Waste and Recycle Conference, 2001
- Bioremediation of Soil Contaminated with Hydrocarbon Residue. EERE, 2000.
- Intensive Agricultural Waste Management. Compost 2000 conference. Contaminate Reduction using Compost Technologies.
- Contaminated Waste Industry – Future Directions conference.
- Regulatory and legislative requirements for waste handlers. Compost 2000 (Short Course).
- Bioremediation methodologies Compost 98.
- Bioremediation in Australia. BioCycle Magazine.
- Guide to Best Practice – Composting Green Organics. DNRE 1998 (contributing author)

Referees

Please let me know if you wish to talk with my referees.

- Christopher Rowe
 - Former Director, EPA, Western Australia
- Dr Dennis Else
 - Director NOSHCH

For more information please see my website at www.es3global.com