





Alarp.. Environment



ALARP™ ENVIRONMENT

The 21st Century places unprecedented demand on the custodians of our precious natural and built environments.

In a world of imperfect knowledge and increased complexity managing the risks to our finite environment to *As Low As Reasonably Practicable* (ALARP) is the obligation upon us to act reasonably and the mandate of our company to help provide robust and practical solutions.

ALARP use only acclaimed world experts to deliver tailored pragmatic solutions with complex risk exposures.

The ALARP suite of environmental services responds to the specific needs of our clients. From traditional environmental assessments such as groundwater, air quality, ocean plumes and sustainable development to the emerging areas of man made disasters, climate change, earthquake, tsunami, megastorms, crop failures and pandemics our ALARP experts stand ready to support our clients unique environmental needs.

ALARP'S clients are provided access to eminent, accredited subject matter experts from around the world. Our world experts are trusted by governments and corporations to investigate report and document environmental performance and offer management solutions for

responsible use, development and disaster mitigation.

ALARP technical solutions provide pragmatic delivery of results. Under the supervision of ALARP's world experts, clients are given the option of converting the specialist advice into solutions. From critical database development to field based analysis, performance audits, supervision and operational safety, ALARP delivers bespoke solutions for assessing and protecting life, property and the environment.

With trained specialists; ALARP converts technical advice into reality. Our core team includes scientists, engineers, facilities maintenance, communications, Planning and Law.

FROM VISIONS TO REALITY

ALARP provides the link between a clients vision and the reality of ultimate environmental use. By accessing the world's leading practical experts to manage the special risks to the environment, we provide our clients with the reassurance that risks to the environment will be responsibly managed and that we manage change responsibly.

Our clients:

- Ministers, Ministries, Government Agencies and senior advisors
- CEOs and Board of Directors
- Institutional and private investors
- Insurers
- Regulators
- Operators
- Developers
- Local communities

A selection of what we can do:

- Environmental management and planning
- Impact assessment and permitting
- Air quality
- Business development
- Health and safety management
- Remediation consulting engineering
- Natural resource management
- Multidisciplinary services
- Solid waste management
- Ground engineering services
- Construction and site restoration
- Waste management
- Legal liability
- Insurance

We also offer trusted independant counsel, investigations, peer review, operations and operational environmental assessment services for our clients worldwide.

WHAT MAKES US DIFFERENT?

Humanistic Approach: Our approach to managing environmental change illustrates the value ALARP places on life and the well-being of all people and our environment. From ALARP's accredited world experts to its teams of uniquely qualified multidisciplinary professionals, ALARP are committed to sharing their goals, mutual respect, continual improvement, fair work conditions and a safe work environment. At ALARP we ensure our clients reputation and risks are uniquely managed by engaging only the best world experts and developing a trained, respected and loyal workforce. Our technical and operational divisions consistently deliver outstanding results for our clients.

ALARP values continuous personal development of its experts and personnel. This management approach encourages all ALARP's staff to accelerate their skills and learning enabling them to become champions in their areas of activity.

ALARP has a zero tolerance of drugs policy and holds random alcohol and drug testing of its employee, to guarantee 100% client satisfaction. We promote a safe and healthy working environment.

ALARP supports community initiatives in emerging economies by supporting its staff to deliver social improvement within their local communities.

ALARP represents a new culture, an extraordinary community, an innovative school of thought and exceptional work environment.



ALARP SOLUTIONS



Expert advice demands conversion into technical solutions. ALARP 's core team of technical experts provide clients with direct accountability between expert advice and delivery of technical solutions. Examples include:

Technical works

- Creation of databases and related information systems
- Data entry and data management
- Training and deployment of specialist technicians for complex technical tasks
- Development and optimisation of Standard Operating Procedures and Works Procedures (SOP's & WP's)

Project works

- Ground water ingress control and remediation
- fluid dynamics, ventilation, stability
- Contractual risk management
- Technical Auditing
- Geographical information systems (GIS) interpretation
- Satellite image interpretation
- Micro gravity survey and interpretation
- Three dimensional laser analysis of complex structures
- Near field radar ground penetration analysis
- Groundwater flow analysis and management
- Geological survey
- Seismic survey
- Seismic risk analysis.

Environmental impact assessment

- Performance assesment and operational reviews

Environmental management, audit and due diligence

- Developing project and corporate environmental risk strategies, practices and auditing

Health impact assessment

- Multidiciplinary analysis and advice on environmental change and human health

Ecology

- Marine and terrestrial ecological assessments
- Risk mitigation strategies for coupling project delivery with ecological sensitivity
- Toxicology
- Peer review/challenge

Public interaction and communications

- Strategic communications strategies
- Information control
- Media relations
- Disaster management

Environment

- Pollution risk assessment and abatement
- Contamination control
- Site remediation
- Waste Management
- Environmental Management System (EMS)
- Aquifer and groundwater management.
- Planning and regulation

Strategic environmental assessment

- Early environmental integration with policies and programs
- Legal

Disasters

- Natural and man made disaster investigation, review and recommendations
- Planning for (assessment of risk and prioritisation of limited resources)

Regulatory formulration, compliance and licensing

ALARP is uniquely able to integrate technical information into project specifications, construction supervisions, audits, performance indicators, regulatory reform, regulatory compliance and criminal prosecutions in technical regulatory and engineering contexts..

ALARP experts are contribute to the standards for the world. ALARP brings great depth of understanding about the use of standards and technical information in a practical way for the clients.

ALARP™ engages with all local agencies and regulators to ensure that it's innovative and technically based solutions for managing change to the environment deliver robust outcomes for managing change to our environment with long term regulatory and stake holder approval.



PROFESSOR ARNOLD DIX

ALARP founder and CEO, Professor Dix is one of the world's leading experts in protecting sovereign and corporate entities from operational risk in life, complex property and environment. Professor Dix is both an accomplished lawyer and scientist, a former Professor of Engineering and currently a Professor in the disaster team of the University of Western Sydney (UWS), Australia. He is founded ALARP more than a decade ago, with ALARP companies in Europe (London), Asia (Hong Kong, China), Oceania (Melbourne) and now Qatar (2013). His legal career includes partnership at DLA Philips Fox (heading their environmental department), specialist consultant DLA Piper London and trial attorney (Barrister). He was appointed by the USA too two fire and life safety committees of the United States National Fire Protection Association "NFPA", chairs the legal group of the International Tunneling Association (United Nations Affiliated), represents a country's safety interests on the Permanent International Association of Road Congresses "PIARC", and served as a Special Expert to the Europeans Parliamentary inquiry on tunnel fire safety. He is a member of Japans Society for Social Management Systems "SSMS". He sits on the International Tunnel Insurance Group "ITIG" (re-insurance) for major sub surface infrastructure for the world as well as investigating disasters as a special expert worldwide. Professor Dix is also a prolific author on safety and the environment and has been the recipient of numerous international awards for his work.

www.arnolddix.com
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