



# Right Solutions Right Partner





### Environmental, health & safety

Full range of environmental analytical testing services, specialising in:

- ▶ analysis of soil, sediment, water, leachates, dust, air, gas, biota, industrial hygiene;
- ▶ radiochemistry, including routine, trace and ultra-trace level organics;
- ▶ metals and nutrients, inorganic non-metals, microbiological, biological, toxicological parameters;
- ▶ particle sizing, and radionuclides.



### Agriculture

Wide range of agricultural testing:

- ▶ soil and water;
- ▶ plant tissue, green-house;
- ▶ compost, pesticide residue and manure.

Environmental monitoring services:

- ▶ instrumentation, weather and flood warning;
- ▶ hydrological and meteorological monitoring;
- ▶ sewer monitoring;
- ▶ real time data management and water resource management.



### Water

Engineering and inspection services for treatment facilities, stations and water storages. Sampling, analysis, monitoring and specialist services for water-related industries including, but not limited to:

- ▶ general microbiological, inorganics and nutrients water testing;
- ▶ dissolved metals, radionuclides and disinfection by-products in fresh and drinking water;
- ▶ pesticides, herbicides, fungicides and multi-residue screens.



### Industrial hygiene

Industrial hygiene laboratories throughout the world providing testing services and analytical packages for:

- ▶ safer living and working environments;
- ▶ industrial hygiene monitoring;
- ▶ workplace health and safety;
- ▶ indoor air quality evaluation;
- ▶ ambient air quality;
- ▶ analytical methods supporting water related with hospitals and health care facilities.



### Pulp & paper

Environmental, health, and safety testing, engineering and inspection solutions for the pulp and paper industry including:

- ▶ general process testing;
- ▶ fuel and used oil analyses;
- ▶ product testing;
- ▶ wastewater analyses;
- ▶ groundwater monitoring;
- ▶ specialty analytical services for hazardous waste.



### Pharmaceutical

Testing and consulting services across a range of products, including:

- ▶ human and veterinary products;
- ▶ intermediates and raw materials in the Pharmaceutical and Healthcare industries;
- ▶ full chemical, physical, stability and microbiological testing services;
- ▶ services for method development, validation and transfer.



### Food safety

Unrivalled testing, inspection, auditing and consulting services to the food (and related) industry. Testing services include:

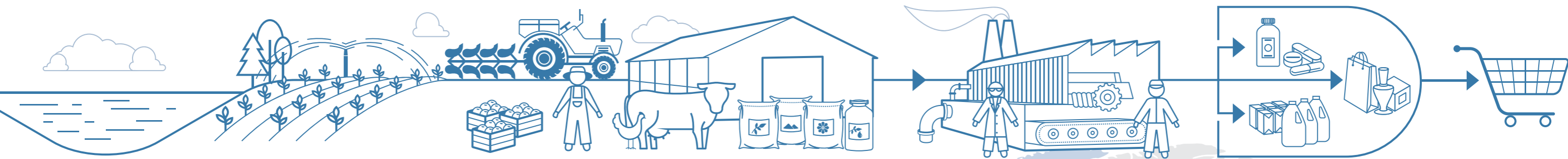
- ▶ chemical, nutritional, microbiological, pesticides and agrochemicals;
- ▶ contaminants, radionuclides, vitamins, minerals and additives
- ▶ GMO, allergens, authenticity and packaging.



### Consumer products

Inspection, auditing and testing solutions for consumer products including:

- ▶ general merchandise, promotional premiums, seasonal gift products;
- ▶ toys, nursery and children's products;
- ▶ textiles, garments and small electrical appliances.



65+ Countries

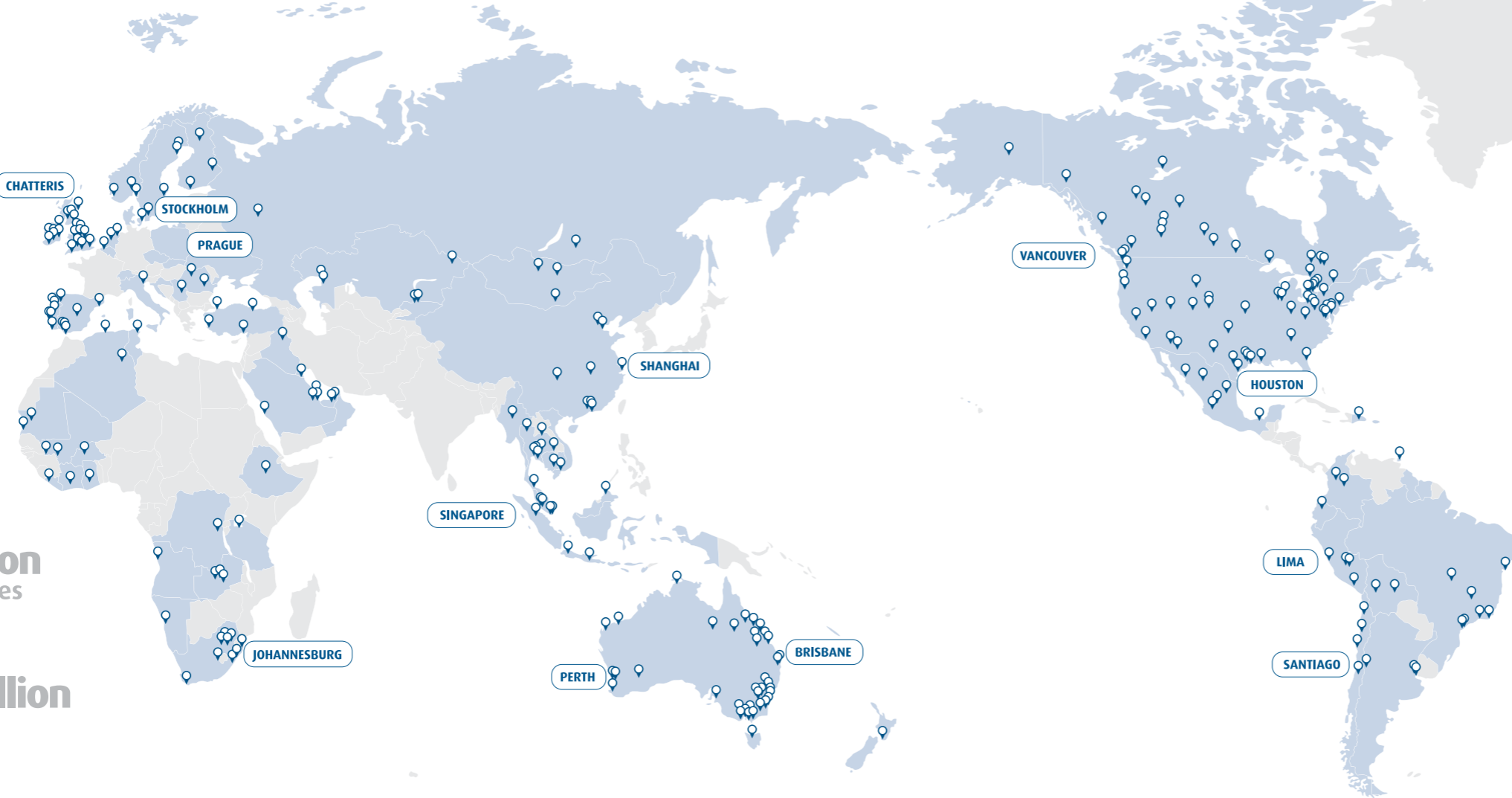
350+ Locations

13 000 Staff worldwide

40 Years of strong business performance

20+ million Processed samples per year

\$1.2+ billion Global revenues



## Global footprint — Local service

For more than 40 years ALS has been providing services around the world, helping clients make better, more informed decisions.

Our state-of-the-art technical solutions are tailored to meet our clients' needs and ensure their businesses operate in the most efficient, environmentally and socially responsible, market competitive way possible.

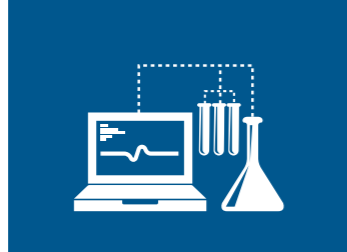
ALS has built its reputation around technical innovation, quality, a deep understanding of the industry by being a true technical services partner to many companies across a broad spectrum of end markets covering most geographies.

We are committed to deliver high quality testing services to our clients by embracing the very latest in technology and bespoke innovative methodologies.

Our clients' confidence in decision making based on the data we provided and their businesses' highest possible cost-effectiveness are the top priorities of our service.

Despite being a global scale company ALS remains agile enough to provide local expertise and client service at any level. We pride ourselves on providing personalised solutions to each and every client.





### Mining & exploration

Testing services for the global mining industry through the entire lifecycle from feasibility and assessment, into production, and on to shipping and trade:

- ▶ extensive quality analysis across all ore types;
- ▶ services at exploration sites, mines and ports provided by specialty personnel.
- ▶ drilling waste testing and site remediation studies support;

### Laboratory design, build & operate

- ▶ Installation and operation of laboratories supporting mining and metallurgical process plants regardless of location;
- ▶ services for the full range of mineral commodities;
- ▶ experienced personnel with support from the ALS global network;
- ▶ analytical and metallurgical testing;
- ▶ mine output superintending and party assay.

### Geochemistry

Analytical geochemistry services to the global mining industry based on:

- ▶ network of over 80 integrated laboratories around the world;
- ▶ consistent quality and dependable client service;
- ▶ extensive on-site Mine site service including grade and mill control, metallurgy / process optimisation, and environmental monitoring.

### Metallurgy

Metallurgical testing and consulting services for mineral process flowsheet development and optimisation.

- Support service for:
- ▶ exploration and brownfields studies;
  - ▶ feasibility studies for a full range of bench scale metallurgical programs for a variety of metals, minerals, and commodities.

### Commodity trade & inspection

Inspection services for:

- ▶ metals and minerals;
- ▶ ores and ferroalloys;
- ▶ solid fuels, provided globally by highly trained and experienced surveyors in conjunction with technical, operational, commercial, and customer service teams.

### Coal quality

High quality and timely coal testing and analysis including:

- ▶ quality training and expert advice;
- ▶ assistance in ranking of coal product physical handling, blend propensity, elemental performance, and behaviour in application;
- ▶ estimation of coal product marketability and value-in-use.

### Marine

Full set of testing and inspection for the marine industry including:

- ▶ environmental testing;
- ▶ hydrographic instrumentation and monitoring;
- ▶ process surveys prior to and during loading;
- ▶ engineering and inspection services for structures, plants, and equipment;
- ▶ sediment assessment.

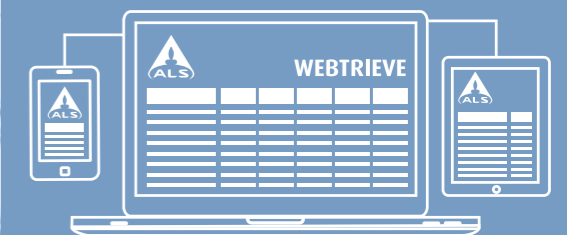
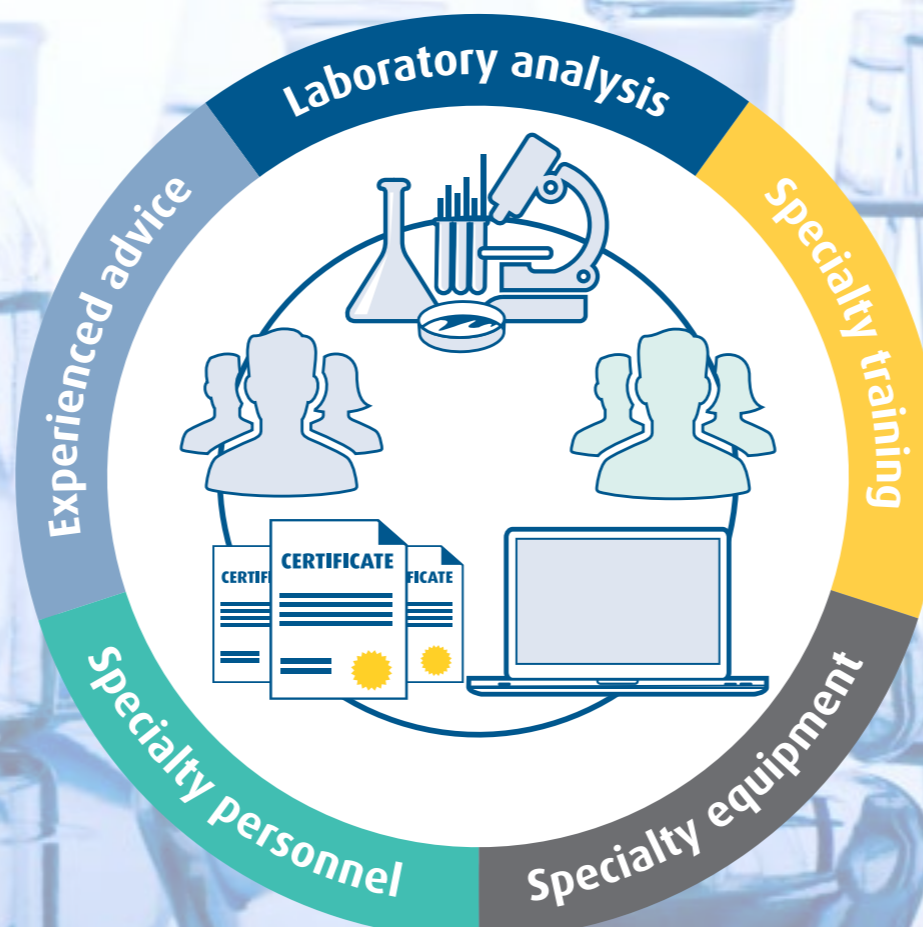
### Power generation

Comprehensive testing and inspection services for power generators including:

- ▶ specialist engineering;
- ▶ consulting and shutdown services;
- ▶ testing of alternative fuels;
- ▶ testing and auditing of coal-fired power stations;
- ▶ environmental and industrial hygiene testing;
- ▶ condition monitoring, engineering and inspection services.

## It's the way we do it:

- ▶ Safety as a priority
- ▶ Honesty and integrity
- ▶ Exceeding client expectations
- ▶ Belief in our ability
- ▶ Hard work and continuous improvement
- ▶ Doing it better
- ▶ Celebrating success



## The digital difference

Our clients and partners have secure data access worldwide at all times allowing to run their businesses in a more efficient and timely manner.

ALS in-house designed and built information management systems provide company's clients with access to each stage of the process: from scheduling and registering sample through to results analysis; trending and customised reporting in a secure environment.

We believe in providing transparent and reliable data to help our clients streamline their activities and drive down overall business costs.



### Asset integrity & reliability

Inspection, testing and engineering services for structures, plant and equipment aimed to maximise production, extend asset life, ensure safe and reliable plant operation, including:

- ▶ AS / ISO product compliance testing;
- ▶ structural inspection, testing and engineering;
- ▶ remaining life assessment;
- ▶ materials engineering and consulting;
- ▶ failure and root cause analysis;
- ▶ maintenance planning and review.



### Condition monitoring

Condition monitoring of industrial assets for construction, transportation, equipment manufacturing, lubricants supply, mining and exploration industries including:

- ▶ oil, fuel, coolant, metalworking fluids testing services;
- ▶ motor and gearbox acceptance testing;
- ▶ laser alignment and dynamic balancing;
- ▶ 3D laser scanning;
- ▶ vibration analysis;
- ▶ thermography.



### Civil infrastructure

- ▶ Independent services assessing the integrity of civil infrastructure.
- ▶ Wide range of services associated with testing and analysing structures ranging from structural integrity surveys to laboratory testing.
- ▶ Condition monitoring, corrosion investigation, and risk-based inspection.



### Transportation

Analytical solutions for any part of the transportation lifecycle that could impact the environment and/or personnel.

Fleet, plant, and equipment asset life maximisation through inspection, testing and condition monitoring including:

- ▶ non-destructive testing;
- ▶ oil, fuel and coolant analysis.



### Aerospace & defence

Comprehensive inspection and engineering solutions for defence industry fleet, plant and equipment and testing services to aerospace Industry.

Structural and condition monitoring services including:

- ▶ concrete and metals inspection and testing (including non-destructive testing).
- ▶ machine inspection and testing
- ▶ oil, fuel and coolant analysis.



### Construction

Reliable, high-quality data helping construction managers make informed decisions.

Experienced teams providing globally:

- ▶ environmental, industrial hygiene, geotechnical analysis testing
- ▶ hydrographic instrumentation and monitoring
- ▶ engineering and inspection services for structures, plant and equipment.



### Petrochemicals

Testing and inspection services to petrochemical operators and contractors:

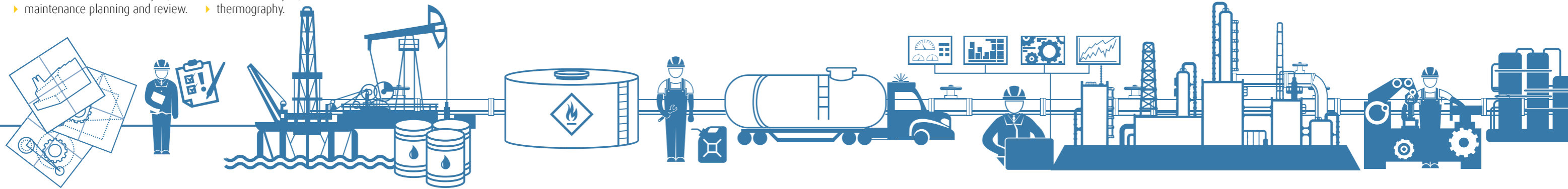
- ▶ environmental and industrial analysis and monitoring,
- ▶ engineering and inspection services for structures, plant and equipment including non-destructive testing, condition monitoring and oil, fuel and coolant analysis.



### Oil & gas

Services across the entire oil and gas life cycle through exploration, production, refining and end use, including:

- ▶ environmental testing and monitoring;
- ▶ wellsite services;
- ▶ laboratory analysis;
- ▶ asset integrity and reliability analysis;
- ▶ reservoir characterisation, drilling services, and production solutions.



## Health, safety, environment & sustainability



ALS is committed to sustainable activities and recognises the need to plan, manage and review those aspects of the business that may have an impact on our people, property, the environment or the communities in which we operate.

### Health, safety and the environment

Our responsibility is to provide a safe and healthy workplace for all employees, contractors and visitors as essential to our long-term success. We strive for continual improvement of its health safety and environmental performance with the goal of eliminating work-related injury and illness.

### Engaging with our communities

We strongly believe in being a positive influence in the community and encourages all its employees across the globe to contribute to their local communities. Our response to community needs is continually demonstrated by fund raising and volunteering for a wide spectrum of

charities and causes, including appeals for natural disasters, neighbourhood clean-up campaigns, children's charities, community health services, cancer research and others.

### Reducing waste and managing risk

Our internal sustainability intranet site, where relevant information on environmental management programs are monitored and reported on by our employees to include:

**Energy, Waste, Water, and Gravimetric dust.**

The sustainability intranet page also links our employees to waste registers, audit tools, suggestion and initiatives boxes, and key sustainability announcements.

### Engaging with our staff & clients

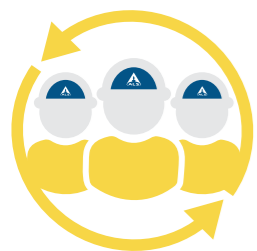
Over 15,000 training sessions including on-line courses.

### Engaging with our communities

- Fundraising
- Charity work
- Clean-Up Campaigns



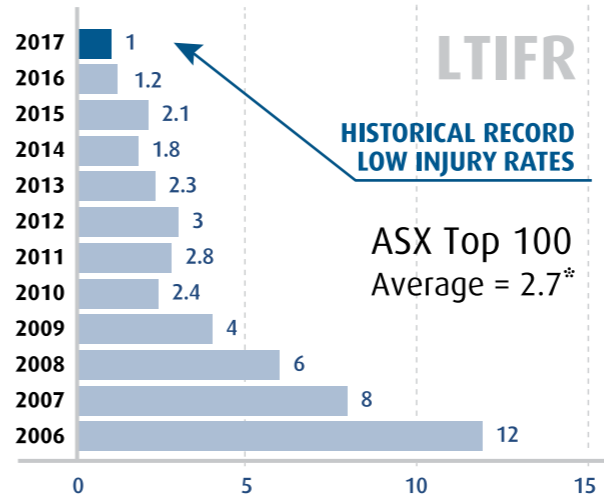
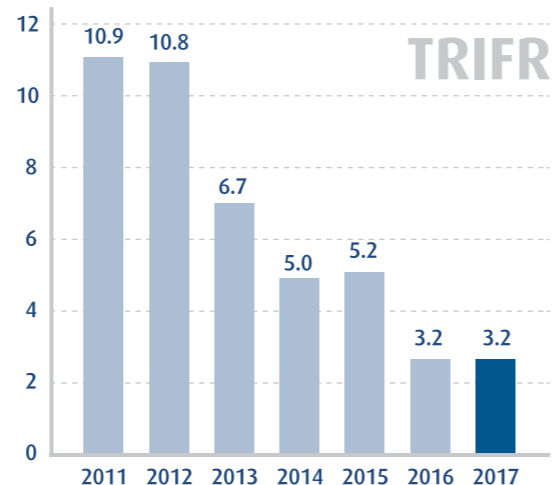
## Corporate social responsibility



Promote the adoption and adherence to a Corporate Social Responsibility (CSR) standard throughout our businesses.

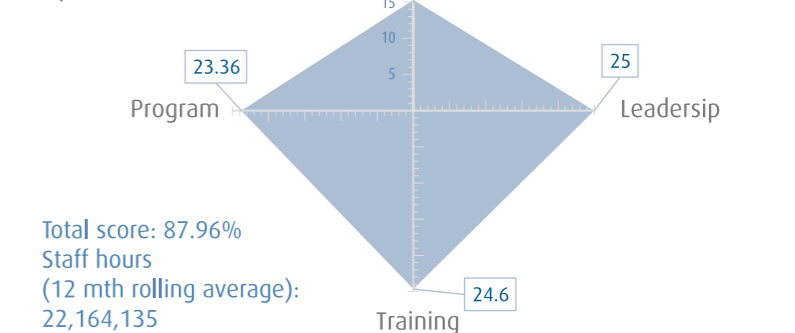
Regardless of where our businesses operate around the world, it must comply with the principles outlined in the CSR standard, including:

- Human rights – labour practices;
- Cultural heritage;
- Anti-bribery and corruption;
- Ethical and sustainable supply chain.



### PPI Chart

Profile: ALS Limited  
Financial Year:  
April 2016 – March 2017







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[alsglobal.com](http://alsglobal.com)

