

Mine Site Laboratory Services

Your Site...Our Quality, Scope, Service & Deliverables



RIGHT SOLUTIONS | RIGHT PARTNER

Introduction

ALS Mine Site delivers the full range of ALS Minerals division testing capabilities with signature ALS Quality, Service and Deliverables at mine sites globally - irrespective of remoteness. Partnering with ALS provides peace of mind that design, establishment, commissioning and daily laboratory management will be completed to the same high standard that is characteristic of ALS operations.

ALS designs, installs and operates dedicated mine site laboratories at mining projects that are "Fit for Purpose", in some of the most remote key mining locations around the world. Mine site laboratory services are tailored to suit project requirements. ALS mine site laboratories provide finger tip access to world-class data to assist in making better strategic and operational decisions.

The state-of-the-art equipment used in ALS mine site laboratories is consistent with ALS commercial analytical laboratories, ensuring the same reliable and superior outcomes are delivered. Applying ALS principles, procedures and quality standards to the operation of mine site laboratories offers clients the assurance and convenience of continuous analytical support without compromise.

ALS mine site laboratories are operated by experienced personnel with full support from an extensive global laboratory network of over 75 ALS Geochemistry facilities.

Access to global ALS management experience, coupled with sufficient staffing and equipment levels, ensures high quality data is delivered on time.

Mine Site Laboratory Services:

- Design and build new mine site laboratories;
- Expand, debottleneck, optimise and/or update existing mine site laboratories;
- Mobile laboratory facilities for both sample preparation and analysis;
- Expand mobile sample preparation facilities into full service analytical laboratories;
- Operate, manage and maintain mine site laboratories - new and existing;
- Near mine site laboratory analysis solutions;
- Grade control analysis;
- Exploration analysis;
- Metallurgical process plant control analysis;
- Core cutting, core photo-archiving and core storage services;
- Mineral sample preparation;
- Fire assay;
- Wet chemistry;
- Instrumentation including: AAS, ICP-AES/MS, XRF, TGA, LECO;
- BLEG, LeachWELL™;
- Secure Data Management – LIMS, Webtrieve™, CoreViewer™, 3D mine planning integration;
- Laboratory audits;
- Inventory management (consumables, purchasing);
- Training and consulting;
- Sample collection;
- Moisture analysis; and
- Bulk Density, SG and particle size distributions.



*World-class testing, inspection
and certification expertise
delivered right to your mine site*



Auxiliary supporting services

- Metallurgical testwork for process optimisation;
- Advanced mineralogy technologies;
- Commercial settlement analysis - inspection of concentrate, cathode or bullion;
- Environmental analysis for water, soil, tailings; and
- Oil condition monitoring for the mining fleet.

Outsourcing Models

The specialised mine site laboratory service allows clients to work hand-in-hand with ALS to facilitate laboratory design, equipment and analytical methodology selection, while also optimising staffing and operation options to suit individual mine site specifications. ALS provides a service to allow the outsourcing of capital requirements, engineering, construction, commissioning, maintenance and operation for mine site laboratory facilities; thereby ensuring all components of the project are completed to ALS global standards.

Design and Build

Our mine site and in-house engineering teams, offered through the wholly owned MARC Technologies Group, have years of practical experience providing turnkey mine site laboratory design and construction services. ALS works directly with client in-house mine site teams and/or selected consulting engineers to prepare building layout designs while assisting with equipment selection, manufacture and procurement.

Operate, Manage, Staff and Maintain – New or Existing Mine Site Laboratories

ALS mine site laboratories are run by experienced personnel with full support from an extensive global laboratory network of over 75 minerals testing facilities. Access to global ALS management experience coupled with sufficient staffing and equipment levels ensure high quality data is delivered on-time.

ALS takes full responsibility for the routine upkeep, calibration and validation of the mine site laboratory facilities.

In addition to servicing new start-up mining and mineral processing operations, ALS offers management solutions to existing mine site laboratories - assuming full operational responsibility, including technical management and staffing.

Laboratory Information Management System (LIMS)

In order to meet the demands of the mining industry, ALS can customise the Global Enterprise Management System - GEMS (LIMS) to address specific site requirements. One of the key benefits of this system being that ALS management have the ability to oversee operations from off-site to track performance and quality conditions on site; benchmarking these against global locations to ensure production efficiency and quality.

As a client, direct access to data is available through the online data retrieval system, Webtrieve™, to track and monitor service delivery of geochemical tasks. This highly integrated business system is unique to the industry and distinguishes ALS as a company that delivers unrivalled client solutions.

The consolidated offering of GEMS, CoreViewer™ and Webtrieve™ with 3D orebody software packages such as Leapfrog, Maptek's Vulcan™ and Micromine, set ALS as a clear leader in this space.

ALS is the only laboratory group in the world which can provide this level of integration.



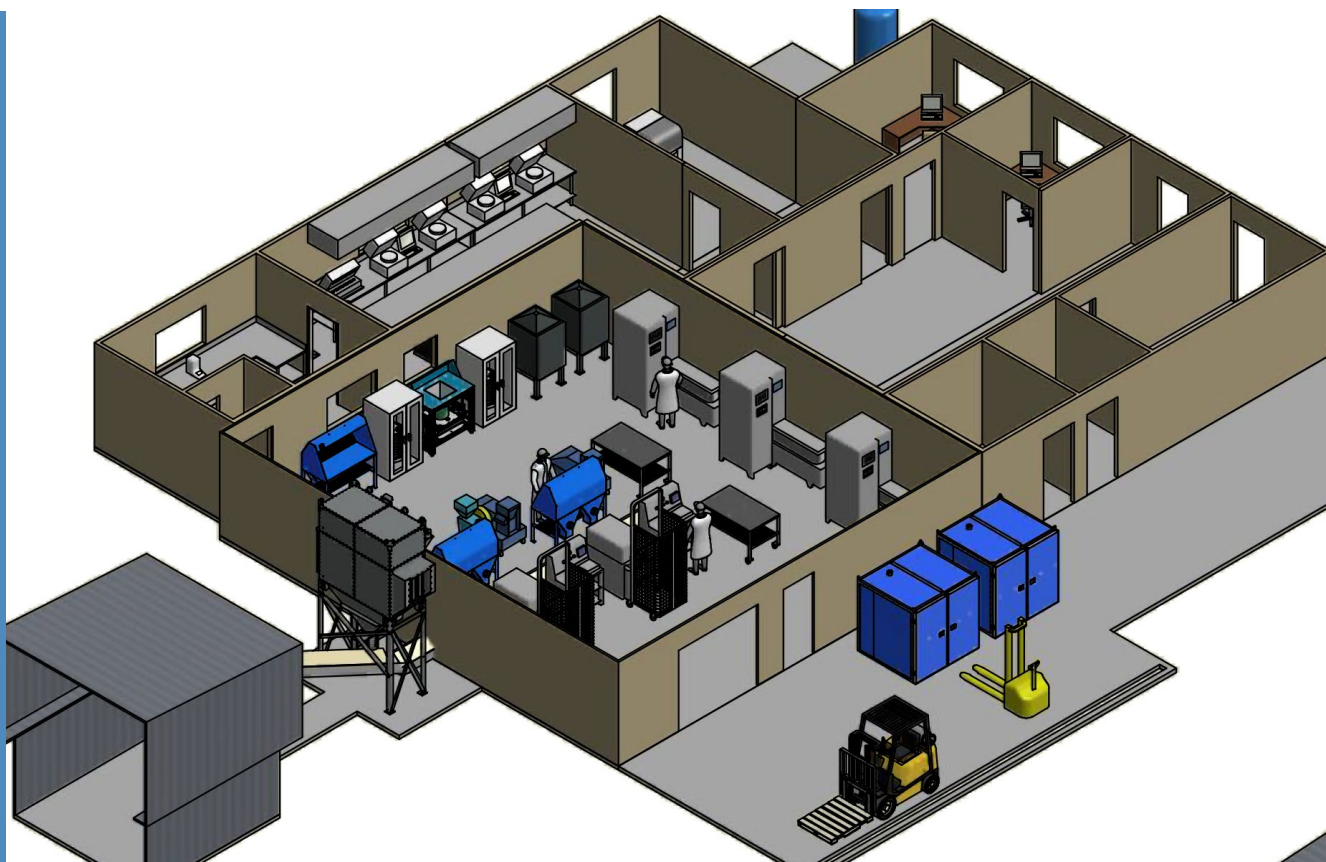
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