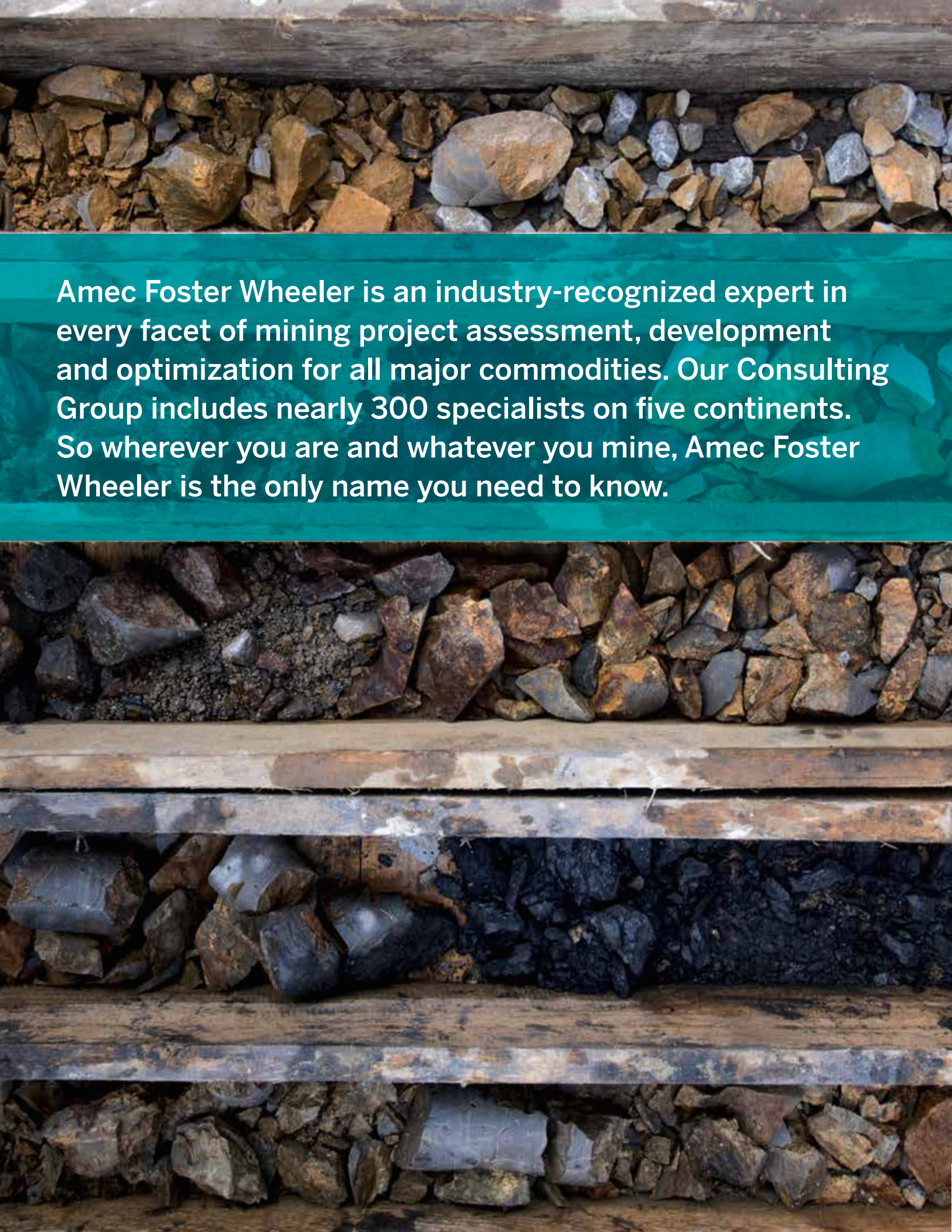




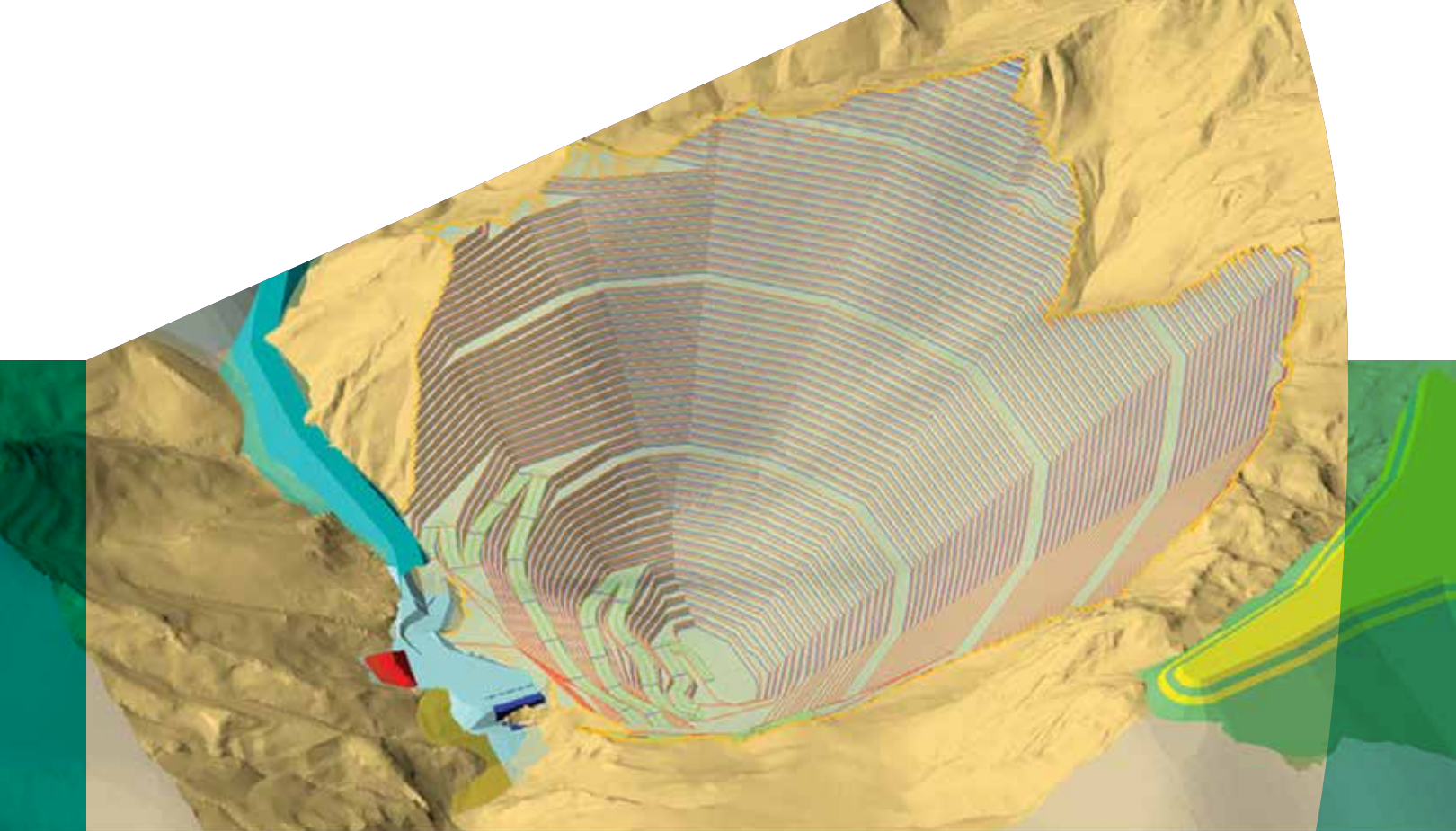
amec
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Consulting Services

Mining & Metals



Amec Foster Wheeler is an industry-recognized expert in every facet of mining project assessment, development and optimization for all major commodities. Our Consulting Group includes nearly 300 specialists on five continents. So wherever you are and whatever you mine, Amec Foster Wheeler is the only name you need to know.



Due diligence

Since Amec Foster Wheeler has full capabilities in geology, mining, process engineering, financial analysis and environmental sciences, we are able to conduct due diligence thoroughly and efficiently.

We are proud of our international reputation for evaluating development properties and operating mines. Our expertise provides owners, financial institutions and potential shareholders with assurance that the highest level of professional standards and responsibility are applied to the properties and projects we assess. This increases investor confidence and facilitates funding decisions.

Amec Foster Wheeler also conducts comprehensive risk and opportunity analyses that can add value to the due diligence process by estimating impacts on life-of-project NPV.

Financial modeling and risk assessment

Amec Foster Wheeler provides reliable, credible guidance relating to project costs, economics, trade-offs, risks, contingencies and valuations. We have one of the industry's largest pools of estimators for mining projects, with experience at every level from order-of-magnitude upwards.

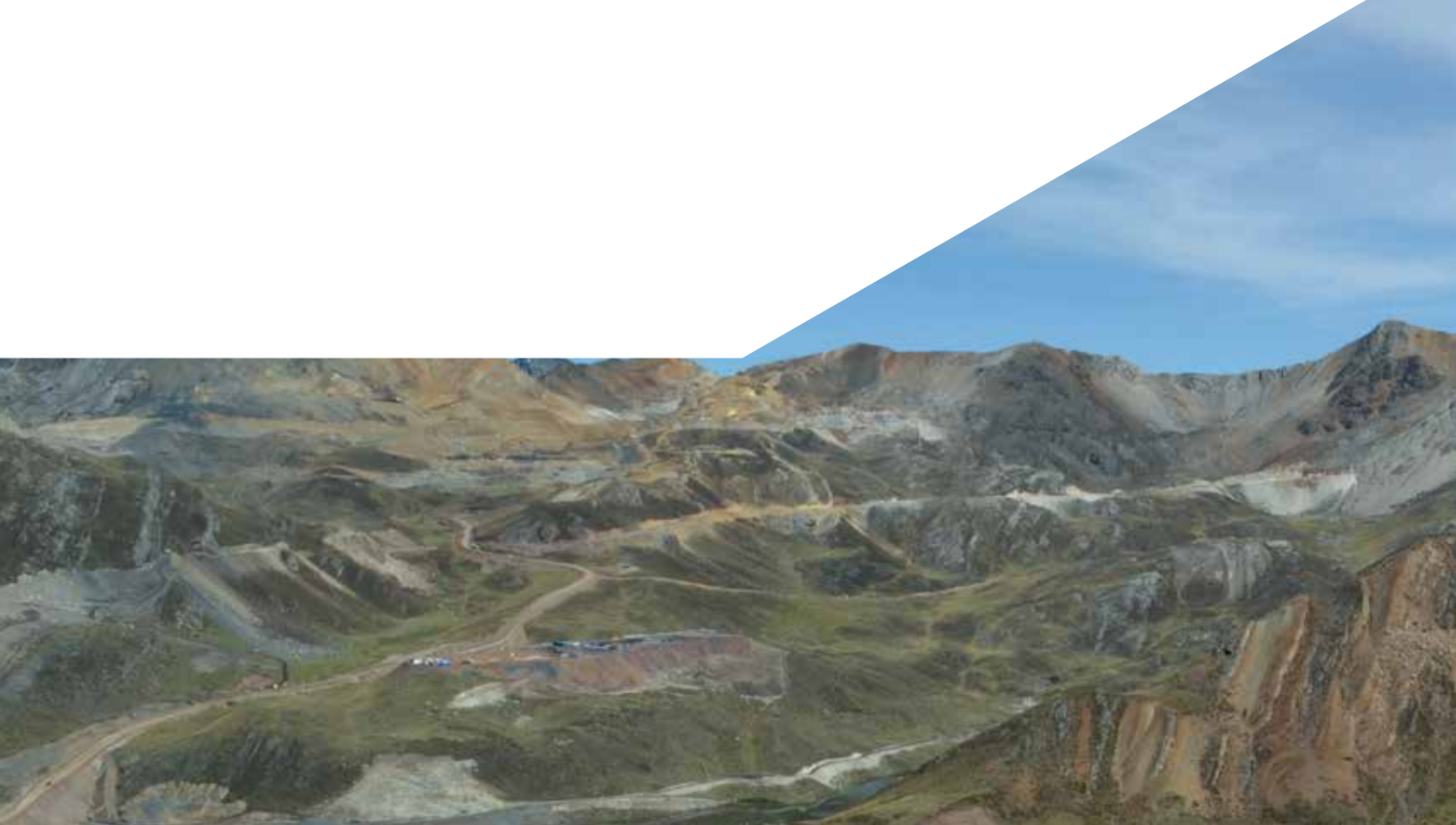
We apply discounted cash-flow (DCF) analyses, Monte Carlo risk assessments and asset-based valuations, and real-options valuations to enable our clients to make informed decisions on developing or expanding their projects.

Public reporting

Amec Foster Wheeler is unique among large consulting firms in that we offer full support of reporting requirements for public disclosure, from preliminary economic assessments through to detailed feasibility studies. We have prepared more than 200 NI 43-101 Technical Reports and Competent Person's Reports. We fully understand and comply with international mining disclosure standards. Our experience and reputation in this area are unsurpassed.

Operational improvement/value engineering

Most of Amec Foster Wheeler's consulting specialists have extensive hands-on experience worldwide. Our experts routinely provide optimization and trouble-shooting services for every facet of our clients' operations. We know how to maximize returns on orebodies, mining equipment and process facilities.



Geology and geostatistics

Amec Foster Wheeler is a world leader in resource geology and geostatistics. With more than 50 geologists on staff, we offer our clients one of the industry's largest and most diverse talent pools. We provide geology consulting services for virtually all commodities including precious and base metals, potash, coal, rare earths and diamonds, addressing:

- ▶ drilling program design and supervision
- ▶ resource and reserve audits
- ▶ geological modeling
- ▶ resource estimating
- ▶ advanced geostatistics
- ▶ conditional simulation
- ▶ reconciliation studies.

Our staff are proficient in the use of all commercial software for geological and mine modeling.

We are pioneers in sampling practices as well as geometallurgy. Our expertise in multiple-indicator kriging, conditional simulation and other geostatistical applications enables us to prepare reliable estimates of mineral resources and reserves. Our statements are produced to meet the stringent requirements of NI 43-101, JORC and other internationally recognized standards.

Amec Foster Wheeler's careful, systematic approach to assessments, studies and due-diligence reviews supports project development as well as ongoing operations. Reconciliation studies at numerous mines have provided us with unique insights into resource modeling. Our innovative use of specialized software for exploratory data analysis and resource estimation improves the efficiency of this process.

Metallurgy and process engineering

Amec Foster Wheeler's expertise encompasses most of the process technologies in use today, including:

- ▶ comminution
- ▶ flotation
- ▶ CIL/CIP
- ▶ gravity concentration
- ▶ pressure oxidation
- ▶ roasting
- ▶ heap leaching
- ▶ agitation leaching
- ▶ SX-EW
- ▶ magnetic separation
- ▶ dense media separation
- ▶ potash compaction
- ▶ unconventional hydrometallurgy
- ▶ gold rooms
- ▶ base-metal smelting and refining.

We are recognized for our innovative use of concepts and technologies to investigate and provide solutions for a wide range of projects and commodities.

Our services include development and supervision of metallurgical sampling and testwork programs, as well as interpretation of their results. We use a wide range of proprietary and commercial software for process modeling and simulation, optimization, and advanced methods of capital and operating cost estimating.

In addition, we are an industry leader in minewater treatment. In the last decade, we have designed and reviewed processes for nearly 200 treatment facilities around the world.



Mine planning and design

Our worldwide team of more than 70 professionals provides exceptional services for open-pit and underground mine planning, mining method and fleet selection, development and production scheduling, material handling, mine infrastructure design, backfilling, geotechnical engineering and cost estimating. We also offer a full range of expertise for environmental assessment, mitigation and monitoring, as well as mine closure, remediation and reclamation.

In the last decade, we have provided mine consulting services for projects ranging from less than 1,000 to more than 300,000 tonnes per day; from the tropics to high Arctic; and from concept to closure. Our mining studies are viewed as credible support documents for acquisition and project financing purposes.

Amec Foster Wheeler's centres of underground mining excellence in Phoenix, Vancouver and Santiago boast some of the industry's most experienced experts in all types of underground mining. These groups are supported by specialists in ventilation, backfilling, dewatering, ground support and rock mechanics.

Today's industry faces razor-thin margins, fierce competition, and cyclical markets. Amec Foster Wheeler uses advanced simulation tools to develop a system-wide approach to modeling our clients' operations, enabling them to:

- ▶ identify bottlenecks
- ▶ optimize designs
- ▶ quantify production rates and capacities
- ▶ conduct virtual assessments of alternatives
- ▶ allocate resources
- ▶ train operators
- ▶ reduce risk
- ▶ save money
- ▶ provide decision support.

Amec Foster Wheeler's mining experts understand the complex interactions among mining methods, development and production schedules, and project financial performance. We apply innovative solutions to maximize the value of our clients' mines.

150+
year history
operating in over
50 countries




Global Mining Solutions

From concept
through closure

Connected excellence In all we do

For more than 60 years, Amec Foster Wheeler has provided a full range of services for mining projects, from front-end geology and environmental consulting through to design, project and construction management, operations support and mine closure.

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