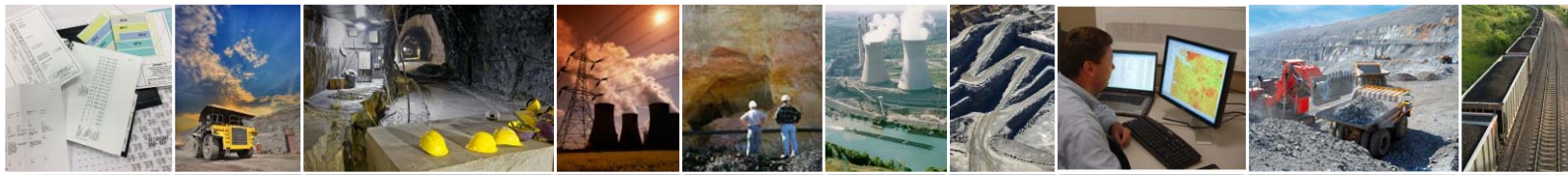




John T. Boyd Company

Mining and Geological Consultants



Experienced in Over 70 Countries



Since 1943

John T. Boyd Company

an established and proven leader in mining and related consultancy on a worldwide basis.

Professional staff expertise, combined with strategically located offices, provide us the ability to address our client needs in a timely, proactive, and professional manner.



About BOYD

John T. Boyd Company - Mining and Geological Consultants, founded in 1943, is one of the largest, privately owned, mining consulting firms exclusively serving the domestic and international coal, metals, mineral, and natural gas industries. BOYD's professional staff is comprised of specialists with decades of experience in the principal aspects of the mining and minerals industry: geology, reserves, mining operations (surface and underground mining), mineral processing, financial analysis, valuation, markets, transportation, environmental matters, etc.

Our senior professionals are recognized Competent Persons and have the requisite training, education, and experience to provide advisory services to our clients on an ongoing basis. Our technical reports fulfill the reporting standards of major financial institutions, government agencies and international stock exchanges.

Our worldwide stature is demonstrated by our work as Technical Advisor to the UK Government Department of Trade and Industry during the privatization of British Coal Corporation and by our selection by Shenhua Coal Group to complete the Technical Reports used in their IPO filing.

BOYD has regularly supported the Colombian government with the completion of regional benchmark mining studies (Unidad de Planeacion Minero Energetica), audits of geological mapping, geophysics and geochemical campaigns (Servicio Geologico Colombiano), technical improvement plans (Agencia Nacional de Minería), rail and mine integrations studies (Agencia Nacional de Infraestructura) and safety and mine rescue guidelines (Agencia Nacional de Minería). For the private sector we've worked for a variety of companies in the completion of multiple resource and reserves studies for coal, iron ore, gold, and assorted industrial minerals. Our particular knowledge of Colombia's mining and geological conditions makes us leaders in the industry.

Experience

- Coal
- Metals
- Industrial Minerals
- Aggregates
- Frac Sand
- Natural Gas



Clients

- Producers
- Consumers
- Government
- Financial
- Legal
- Insurance
- Power/Utility



SERVICES



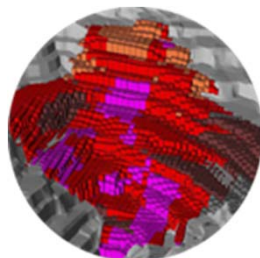
Resources and Reserves

- Resource/Reserve
- Field Exploration
- Geologic Modeling
- Resource/Reserve Evaluation
- Technical Reports
- GIS



Mining and Operations

- Mining and Operations
- Mine Planning
- Strategic Planning
- Geotechnical
- Competitor Analysis
- Material Handling
- Environmental Audits
- Reclamation and Liabilities



Financial Analysis

- Mergers and Acquisitions
- Valuations
- IPO/Independent Technical Review
- Markets and Transportation
- Contract Evaluation
- Fuel Supply
- Bankruptcy/Restructuring



Litigation Support

- Litigation Support - Expert Witness
- Technical Experts
- Valuations/Asset Appraisal
- Safety/Accidents/Injuries
- Fires/Explosions/Roof Falls
- Product Liability
- Geotechnical/Subsidence
- Insurance/Business Interruption
- Contractual



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