



# 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 government of Colombia with the completion of regional benchmark mining studies, audits of geological mapping, geophysics and geochemical campaigns, technical improvement plans, rail and mine integrations studies and safety and mine rescue guidelines.

### Experience

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



### Clients

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



# SERVICES



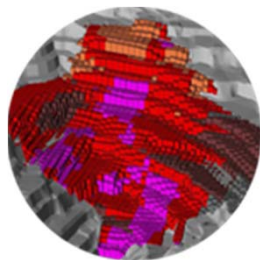
## Resources and Reserves

- 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
- Insurance
- IPO/Independent Technical Review
- Bankruptcy/Restructuring



## Market Analysis

- Markets and Transportation
- Contract Evaluation
- Fuel Supply
- Coal Price Forecasting

## 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



## Locations Worldwide

### **United States - Canonsburg (Headquarters)**

4000 Town Center Blvd., Suite 300 Canonsburg, PA 15317, USA  
+1-724-873-4400  
jtb-web@jtboyd.com  
Ronald Lewis – Managing Director

### **United States - Denver, Colorado**

600 17th Street, Suite 710S, Denver, CO 80202, USA  
+1-303-293-8988  
jtboydd@jtboyd.com  
Donald Swartz – Vice President

### **Colombia - Bogota**

+57-3115382113  
jtboydcol@jtboyd.com  
Carlos Barrera - Managing Director - South America

### **Australia - Brisbane**

Level 11, 388 Queen Street, Brisbane, QLD 4000, Australia  
+61-7-3232-5000  
jtboydau@jtboyd.com  
Ian L. Alexander - Managing Director

### **China - Beijing**

Suite 504, F/5, Sunjoy Mansion, No.6 RiTan Road,  
Chaoyang Dist. Beijing 100020, China  
+86-10-6500-5854  
jtboydcn@jtboyd.com  
Jisheng (Jason) Han - Managing Director