



Dirk H. Wagner  
Mining Consulting

## **CV Dirk Wagner**

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**Curriculum Vitae**

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**Name of Firm** Dirk H. Wagner Mining Consulting

**Name of Expert** Dirk Wagner

**Date of Birth** 1965

**Country of Citizenship /  
Residence** Germany

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**Professional Education:**

**Institution** Technical University Berlin /Germany

**Date** 1986 – 1992

**Degree / Diploma** Diploma in Mining Engineering

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### Employment Record:

Period	Employing Organisation, title/position, Contact Info
From 2016 to present	<b>self employed</b>
From 2011 to 2015	<b>DMT Consulting GmbH Essen / Germany Senior Project Manager</b>
From 2008 to 2011	<b>Bucyrus Europe GmbH Saarbrücken / Germany Senior Project Manager</b>
From 2000 to 2008	<b>IMC Montan Consulting Essen/ Germany Senior Project Manager</b>
From 1992 to 2000	<b>Sachtleben Bergbau Services GmbH Lennestadt / Germany Project Engineer, Mine Planning Department</b>

### Membership in Professional Societies:

Ring Deutscher Bergingenieure e.V. (Society of German Mining Engineers), GDMB, IOM<sup>3</sup> (MIMMM)

### Language Skills:

	speaking	reading	writing
<b>German</b>		Mother Tongue	
<b>English</b>	Excellent	Excellent	Excellent
<b>Russian</b>	Good	Very Good	Average

### Other Skills / Training / Specialised Education:

Data Processing: MS Office, MS Project, MS Access, Basic Datamine Knowledge

### Key Qualifications:

- Technical and economic evaluation of underground mining projects and open-pit mining projects, due diligences
- Project management
- Evaluation of tender documents
- Supervision of underground mines

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### Countries of Work Experience:

Argentina, Australia, Brazil, China, Colombia, Czech Republic, Estonia, Ethiopia, Finland, Georgia, India, Ireland, Kazakhstan, Mali, Mongolia, Pakistan, Poland, Russia, Spain, Turkey, Ukraine, USA, Uzbekistan, Venezuela, Vietnam, Zimbabwe

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### Professional Experience Record (Examples):

#### Mindeli Mine, Georgia

**Year, Country** November/December 2019, Georgia  
**Client** DMT  
**Services** Safety Audit on an underground coal mine  
**Position in Project** Project Manager

#### Thar Coal Mine Block 2, Pakistan

**Year, Country** May 2019, Pakistan  
**Client** DMT  
**Services** Observation of Performance Test of the open pit coal mine, Lender's Engineer  
**Position in Project** Senior Expert

### Professional Experience Record (Examples):

#### Tellerhäuser Project, Germany

<b>Year, Country</b>	2018 – 2019
<b>Client</b>	Saxore GmbH
<b>Services</b>	Cost Modelling for a Pre-Feasibility Study of a polymetallic underground ore mine
<b>Position in Project</b>	Senior Expert

#### Narin Sukhait, Mongolia

<b>Year, Country</b>	2019
<b>Client</b>	MAK
<b>Services</b>	GAP Analysis and Inception Report on Hard Coal Open Pit Feasibility Study
<b>Position in Project</b>	Senior Expert Mining and Costing

#### Thar Coal Mine Block 2, Pakistan

<b>Year, Country</b>	June 2018, Pakistan
<b>Client</b>	DMT
<b>Services</b>	Due Diligence on cost part and contractual issues as Lender's engineer
<b>Position in Project</b>	Senior Expert

#### Mugla Chromite Project, Turkey

<b>Year, Country</b>	February 2018, Turkey
<b>Client</b>	Hasat BNO Grup
<b>Services</b>	Preliminary Cost and Production Schedule
<b>Position in Project</b>	Project Manager

#### Ibrice Maden, Turkey

<b>Year, Country</b>	December 2017 - February 2018, Turkey
<b>Client</b>	Ibrice Maden
<b>Services</b>	Preliminary Economical Assessment of Malkara project
<b>Position in Project</b>	Project Manager & Financial Expert

### Professional Experience Record (Examples):

#### Wassoul'Or, Mali

<b>Year, Country</b>	September/October 2017, Mali
<b>Client</b>	Pearl Gold AG
<b>Services</b>	Review and evaluation of open pit gold operations
<b>Position in Project</b>	Financial Expert & Mining Engineer

#### Rich Metals Group, Georgia

<b>Year, Country</b>	August/September 2017, Georgia
<b>Client</b>	Bank of Georgia
<b>Services</b>	Lender's Engineer Due Diligence, review of copper and gold mines open pit and underground, long term mine plans, gold processing facilities
<b>Position in Project</b>	Cost Engineer & Mining Engineer

#### Coal Mining Company, Eastern Europe

<b>Year, Country</b>	January/February 2017, Eastern Europe
<b>Client</b>	Undisclosed
<b>Services</b>	Technical Due Diligence incl. operating cost assessment as preparation for a takeover bid
<b>Position in Project</b>	Project Manager, Cost Engineer

#### Clara Mine, Wolfach, Germany

<b>Year, Country</b>	Since 2016, Germany
<b>Client</b>	Sachtleben Minerals
<b>Services</b>	Advisor of the Shareholders, Support in: <ul style="list-style-type: none"><li>- updating of reporting system</li><li>- preparation of life of mine plan (LOMP)</li><li>- preparation of economic studies</li><li>- monitoring of strategy process</li></ul>
<b>Position in Project</b>	Senior Advisor

**Professional Experience Record (Examples):**
**Aguas Tenidas Mine**

<b>Year, Country</b>	2016, Spain
<b>Client</b>	DMT
<b>Services</b>	Fatal Flaw Analysis
<b>Position in Project</b>	Mining Expert
<b>Input</b>	Review of mine plans and operations of 3 underground ore mines in course of a Lender's engineer assignment.

**Vozkhod Oriel Chromite Mine**

<b>Year, Country</b>	2014 - 2015, Kazakhstan
<b>Client</b>	Yilmaden
<b>Services</b>	JORC Reserve review, Geotechnical Investigations, Health and Safety Audit preparation to support financing process. Owner's engineer
<b>Position in Project</b>	Project Manager
<b>Input</b>	Project Management, Peer Review

**Kalkim Lead-Zinc Mine**

<b>Year, Country</b>	2014 - 2015, Turkey
<b>Client</b>	CVK Maden
<b>Services</b>	Resource Estimate for a Lead Zinc Mine
<b>Position in Project</b>	Project Manager
<b>Input</b>	Project Coordination, Peer Review

**Merzifon Underground Lignite Deposit**

<b>Year, Country</b>	2013 – 2015, Turkey
<b>Client</b>	Gürmin Enerji
<b>Services</b>	Resource Estimate, Preliminary Economic Assessment and Gas Drainage concept for the Amasya / Merzifon Project of Gürmin Enerji
<b>Position in Project</b>	Project Manager
<b>Input</b>	Project management, Preliminary Mine planning, Economic Assessment

**Professional Experience Record (Examples):**
**Zonguldak Baglik-Inagzi Underground Coking Coal Project**

<b>Year, Country</b>	2013 – 2015
<b>Client</b>	Soma Holding, Turkey
<b>Services</b>	Resource Estimate, Preliminary Economic Assessment and Gas Drainage Concept for the Zonguldak Project of Soma Kömür
<b>Position in Project</b>	Project Manager
<b>Input</b>	Project Management, mine planning, economic assessment, peer review of other chapters

**Gökirmag Copper Project**

<b>Year, Country</b>	2013 – 2015
<b>Client</b>	Asya Maden, Turkey
<b>Services</b>	Feasibility Study on the Gökirmak Copper Project in Northern Turkey
<b>Position in Project</b>	Project Manager
<b>Input</b>	Project management, mine planning, cost calculation, cash flow modelling

**Soma Eynez Lignite Deposit**

<b>Year, Country</b>	2013, Turkey
<b>Client</b>	Undisclosed
<b>Services</b>	Due Diligence on an underground coal mining project in Soma area
<b>Position in Project</b>	Project Manager
<b>Input</b>	Project coordination, review of Mine Plan, production plan and economic evaluation

**Camlik, Goy nukoren and Pulluca silver deposits**

<b>Year, Country</b>	2012- 2013, Turkey
<b>Client</b>	Yildizlar Holding
<b>Services</b>	Preparation of Technical Report according to NI43-101 for Eti Gümüs Silvermine, Pit Optimization
<b>Position in Project</b>	Project Manager
<b>Input</b>	Project management, pit optimization, mine planning, equipment selection, economic evaluation



### **Komorovskoje gold mine**

<b>Year, Country</b>	2012, Kazakhstan
<b>Client</b>	Kazzinc
<b>Services</b>	Investigation of In-Pit Crushing and continuous haulage systems for Komorovskoye open pit.
<b>Position in Project</b>	Project Manager
<b>Input</b>	Project management, cost calculation, mine planning

### **Paz del Rio Coal Mine**

<b>Year, Country</b>	2011 – 2012, Colombia
<b>Client</b>	Votorantim
<b>Services</b>	Underground Part of Prefeasibility Study for underground coal mine project
<b>Position in Project</b>	Mining Engineer
<b>Input</b>	Mine Planning, equipment selection

### **La Mancha Resources**

<b>Year, Country</b>	2012, Australia
<b>Client</b>	Societe Generale
<b>Services</b>	Due Diligence on an underground and an open pit Gold Mine
<b>Position in Project</b>	Mining Engineer
<b>Input</b>	Review of mine plans, review of operations, review of costs

### **Banphu Nickel mine**

<b>Year, Country</b>	2012 Vietnam
<b>Client</b>	Pala Investment
<b>Services</b>	Due Diligence on Underground Nickel Mine
<b>Position in Project</b>	Mining Engineer
<b>Input</b>	Review of operations, review of costs, review of Life of Mine Plan

### **Dijon Mining**

<b>Year, Country</b>	2011, Tajikistan
<b>Client</b>	DION
<b>Services</b>	Assessment of a small scale underground mine
<b>Position in Project</b>	Project Manager
<b>Input</b>	Review of underground coal mining project

### **Mibrag Lignite Open Pit**

<b>Year, Country</b>	2011, Germany
<b>Client</b>	Undisclosed
<b>Services</b>	Competent Persons Report on Coal assets of a German Company
<b>Position in Project</b>	Economic Expert
<b>Input</b>	Review of cost, review of business plans

### **Tuncbilek underground lignite mine**

<b>Year, Country</b>	2010 – 2011, Turkey
<b>Client</b>	TKI
<b>Services</b>	Engineering Assistance, Review of FS on Tuncbilek deposit
<b>Position in Project</b>	Project Manager
<b>Input</b>	Supervision of Turkish Consultants, Mine Planning, Project Coordination (Serbian, Turkish and German team members)

### **Soma Eynez Underground coal project**

<b>Year, Country</b>	2010, Turkey
<b>Client</b>	Demir Export
<b>Services</b>	Engineering Assistance on Tender preparation for Cayirhan Tender including mine planning.
<b>Position in Project</b>	Project Manager
<b>Input</b>	Review of mine plan, review of engineering, preparation of cost schedules

**KTK 7/8 coal mining  
project, SCCL**

<b>Year, Country</b>	2010, India
<b>Client</b>	Indu Projects
<b>Services</b>	Equipment Proposal Preparation, including mine planning
<b>Position in Project</b>	Project Manager
<b>Input</b>	Proposal coordination, mine planning

**Eniseyskaja Coal Mining Project**

<b>Year, Country</b>	2009, Russia
<b>Client</b>	EPK
<b>Services</b>	Pre-Feasibility Study on application of slice mining
<b>Position in Project</b>	Project manager
<b>Input</b>	Project Coordination, Mine Planning, economic evaluation

**Komorovskoye Coal Mine**

<b>Year, Country</b>	2008, Russia
<b>Client</b>	Undisclosed
<b>Services</b>	Due Diligence Report on an underground Coal mine
<b>Position in Project</b>	Senior Mining Expert
<b>Input</b>	Review of mining plans and operations, review of mining costs

**Sapadnij Kamys**

<b>Year, Country</b>	2008, Kazakhstan
<b>Client</b>	Undisclosed
<b>Services</b>	Reserve assessment for Manganese projects
<b>Position in Project</b>	Senior Mining Expert
<b>Input</b>	Review of Mine plan, review of mining cost, review of operations

### **Eurasia Gold**

<b>Year, Country</b>	2008, Kazakhstan
<b>Client</b>	Kazakhmys
<b>Services</b>	Reserve assessment for all operations of “Kazakhmys Gold” for annual report
<b>Position in Project</b>	Senior Mining Expert
<b>Input</b>	Review of mining operations, review of mining cost, review of life of mine plan

### **Cerattepe Copper Mine Project**

<b>Year, Country</b>	2007/8, Turkey
<b>Client</b>	CBI (Cayeli Bakir)
<b>Services</b>	EPCM Project on an underground copper mine
<b>Position in Project</b>	Project Manager
<b>Input</b>	Project coordination, supervision of surface civil construction, specification of works, tender preparation

### **SUEK Coal Mines**

<b>Year, Country</b>	2007, Russia
<b>Client</b>	SUEK
<b>Services</b>	Competent Persons Report as preparation for an IPO
<b>Position in Project</b>	Team Leader Vladivostok
<b>Input</b>	Mining Review (open pits and underground coal), co-ordination of multi-expert team.

### **MSOL Gold Mines**

<b>Year, Country</b>	2007, Brazil
<b>Client</b>	Undisclosed
<b>Services</b>	Due Diligence on several small gold mining operations in Brazil
<b>Position in Project</b>	Senior Mining Expert
<b>Input</b>	Review of Mining operations, review of life of mine plan, review of costs

### **Burnstone Gold Project**

<b>Year, Country</b>	2007, South Africa / USA (Nevada)
<b>Client</b>	Undisclosed
<b>Services</b>	Due diligence on two gold mining projects
<b>Position in Project</b>	Senior Mining Expert
<b>Input</b>	Review of Mining operations, review of life of mine plan, review of costs

### **San Jose Mine**

<b>Year, Country</b>	2006, Argentina
<b>Client</b>	Hochschild PLC
<b>Services</b>	Reserve Evaluation San Jose gold Mine
<b>Position in Project</b>	Project Manager
<b>Input</b>	Review of reserve Estimate, review of modifying factors

### **DTEK Coal Mines**

<b>Year, Country</b>	2006, Ukraine
<b>Client</b>	DTEK
<b>Services</b>	Optimisation of underground coal mines and methane utilization of 11 underground coal mines.
<b>Position in Project</b>	Dep. Project Manager
<b>Input</b>	Project Coordination

### **Aguas tenidas Mine**

<b>Year, Country</b>	2005/06, Spain
<b>Client</b>	Investec Bank
<b>Services</b>	Due Dilligence for a Polymetallic Project in Spain as lender's engineer
<b>Position in Project</b>	Senior Mining Engineer
<b>Input</b>	Review of Feasibility Study, review of economic model and mine planning

**JSW coal mines**

**Year, Country** 2005, Poland Upper Silesia  
**Client** World Bank  
**Services** Efficiency improvement of selected Polish hard coal mines  
**Position in Project** Senior Mining Engineer  
**Input** Review of Mining Operations, review of mine efficiency

**Zhairem GOK**

**Year, Country** 2001/2003, Kazakhstan  
**Client** Olberg Holding  
**Services** Management Assistance  
**Position in Project** Assistant of Board of Directors  
**Input** Management Assistance for a Manganese open pit in Kazakhstan

**Veduga Gold**

**Year, Country** 2004, Russia  
**Client** Trans-Siberian Gold  
**Services** Feasibility Study Phase I  
**Position in Project** Project Management Mining Part  
**Input** Mine Planning, Equipment Selection, Costing for underground gold mine

**Euromangan, Obrochishte mine**

**Year, Country** 2002/2003, Bulgaria  
**Client** Olberg Holding  
**Services** Management Assistance  
**Position in Project** Mining Engineer  
**Input** Mine Planning, Equipment Selection, Costing