



Fabián Mansilla Muñoz

METALLURGIST-CHILE UNIVERSITY

WORK EXPERIENCE

CELTA Consultores LTDA (January 2016 – June 2016): External consultant in *Copper Slag Re-processing Project*. Design and supervision of metallurgical tests and analysis, in order to develop a scoping engineering and the client could make an investment decision.

Minería Activa SpA (September 2015 – December 2015): External consultant in *India Coya Gold-Copper Project*. It was updated the geo-metallurgical model using the last drilling campaign results and metallurgical tests. In addition, a scoping study was developed.

Minería Activa SpA (July 2010 – September 2015): Project Metallurgist engineer responsible for reviewing the various projects of the company, as well as investment opportunities. Some functions performed were:

- Support of Prospects Geo-metallurgy.
- Define the extractive process of different projects, planning and conducting metallurgical testing programs.
- Perform Scoping engineering and design of plants, using metallurgical and benchmarking information.
- Estimate CAPEX and OPEX.
- Perform audits and Due Diligences.
- Develop metallurgy chapters of NI-43101, bankable reports, EIA, DIA, closure plans, among others.

The work allowed to acquire and complement expertise in metallurgical processes Copper (oxides, secondary and primary sulfides), precious metals (Au and Ag), Iron (magnetite), Zinc, Lead, Rare Earths and nonmetallic (Ca, Lithium, Nitrates and Iodo). In addition, was acquire knowledge in: Mineralogy, analysis techniques laboratory processes comminution (crushing and grinding) Adsorption-Desorption, Leaching (acid, bacterial, chloride, alkaline and autoclave), SX-EW, conventional and polymetallic flotation, physical concentration (magnetic, electrostatic, gravimetric and sorting).

CODELCO El Teniente (January 2010 – March 2010): Professional practice of three months in *Caletones Foundry*. An optimization and cost saving in anodic furnace burners was developed. Furthermore, was conducted support in engineering area.

Papeles Industriales S.A (January 2008 - February 2008): Professional practice of two months in the process plant area. Protocols based on ISO 9001 norm were made for each process.

Chile University (March 2006 – December 2010): Assistant Teacher of: Chemistry, Physical Chemistry, Chemical Engineering Laboratory, Pyrometallurgy, Fundamentals of Extractive Metallurgy, Transport Phenomena, among others.



16/ 04/1986, (30 years old) Santiago, Chile.

CONTACT INFORMATION



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PROFILE

I consider myself a person who likes challenges, which is able to integrate and work well with colleagues and multi-disciplinary groups.

Accustomed to working under pressure and based on objectives. I try to enjoy what I do but always looking for safety first.

Based in my formation and work experience, I can say that I have a comprehensive and complete view of the mining business with a high flexibility in the metallurgy of metals or processes considered.

LANGUAGES	
 Es	Native
 En	Middle Advanced (TOEIC score 760)
COMPUTER SKILLS	
	Microsoft Word - Advanced
	Microsoft Excel - Advanced
	Microsoft Power Point - Advanced
	Microsoft Visio - Advanced
	Microsoft Project - Advanced
	COMSOL - Advanced
	Matlab – Advanced
	Bruno METSO – Advanced
	Autocad – Intermediate
	JK Simmet – Intermediate
	HSC Chemistry – Intermediate
INTERESTS	
	Fishing
	Camping
	Biking
	Homebrewer & Beer Sommelier

EDUCATION HISTORY	
<ul style="list-style-type: none">• Master degree in Extractive Metallurgy: Chile University, since 2010 to present. Status: Thesis student.• Civil Chemical Engineering: Chile University, since 2007 to 2009. Status: graduated.• Bachelor Degree in engineering sciences mention Chemistry: Chile University, since 2004 to 2006. Status: Complete.• High school education: Liceo A N°9 de Aplicación, since 1998 to 2003. Status: Complete.• Basic Education: Escuela 278 Vicente Reyes Palazuelos, since 1990 to 1997. Status: Complete.	
SCHOLARSHIPS	
<ul style="list-style-type: none">• Moisés Mellado: Money scholarship sponsored by the chemical company “Harting S.A.”• English CORFO 2009: Intensive English course (350 hours) with teachers of Queensland University.• Solidarity fund credit and support scholarship (PAE).	
PUBLICATIONS AND CONGRESS ATTENDANCE	
<ul style="list-style-type: none">• COMSOL Conference 2012, Boston: Proceeding presentation: “Modeling of the Reduction Stage during the Continuous Refining of Copper in a Packed Bed Reactor”.• Copper 2013, Chile: Proceeding presentation: “Modeling of a Continuous copper refining furnace during the reduction stage”.• COM 2012, Niagara Falls: attendance to conference, workshop and social activities to generate networking.	
REFERENCES	
<ul style="list-style-type: none">• Claudio Campos (+56 9 9949 9334): Mining Engineer (Universidad de Chile) with over 20 years’ experience in the mining industry. Mr. Campos has being part of companies such as Codelco, Antofagasta Minerals and Yamana Gold.• Andrés Susaeta (+56 9 9999 3160): Mining engineer (Universidad de Chile) having 30+ years of experience in design and development of mining projects and environmental matters. In addition, Mr. Susaeta has performed mining consultant duties, as a partner of NCL S.A. and IAL Ltda., specializing in underground mine design and also as a environmental consultant of large mining projects.	