



Manuel Aguilar

I am, by profession, a mechanical engineer. My credentials, my love for travel, and my bent for creativity have guided my professional career. I have been fortunate to work with the dominant industry leader, Fluor Corporation, for many years and proud to say my work has taken me to projects in all 3 Americas.

I pride myself on my innate ability to find new, unique solutions for my clients. I am an out-of-the-box thinker, which has served me well.

My industrial project experience ranges from field construction management to feasibility studies to execution of EPCM projects.

Specifically my roles in the early phases of projects have included:

- ✓ Project initiation and setup
- ✓ Project risk management
- ✓ Planning and execution
- ✓ Commercial negotiations with subcontractors
- ✓ Capital cost estimating, controls and reporting

Field execution roles included:

- ✓ Field supervisor
- ✓ Project estimator
- ✓ Capital cost management
- ✓ Change management and Forecasting

Relevant Project Experience

Lead Estimator ♦ Mechanical Engineer ♦ EPCM Experience ♦ Fluor Corporation

Year 2000 – To date

Most Recent Project Experience:

Rio Tinto Kenecott Engineering Studies (\$0.1 Billion), Vancouver. Lead estimator for Pre-Feasibility and Feasibility Studies for Rio Tinto Kenecott's Projects.

GoldCorp, GoldCorp Expansion Projects (\$0.7 Billion), Vancouver. Lead estimator for Conceptual, Pre-Feasibility and Feasibility Studies for GoldCorp's Projects.

EIDorado Gold, Capstone Mining, Vancouver. Lead Estimator Conceptual and PreFeasibility Studies.

Freeport-McMoRan, Cerro Verde Production Unit Expansion Project (\$4+ Billion), Peru. Senior estimator for the 70 percent engineering progress estimate and as home office estimator for the EPCM of a 240,000 t/d copper plant.

Xstrata, Agua Rica Project (\$1.8 Billion), Argentina. Served as lead estimator for the update, review, and final presentation of the feasibility study estimate. The feasibility study involved the transportation of Agua Rica ore body to 35 km to the existing Alumbreira Concentrator, in addition to a waste stacking system to manage the waste due to the stripping ratio for the waste/ore body.

Barrick Gold, Pueblo Viejo Gold Project (\$3.8 Billion), Dominican Republic. Served as Feasibility study to final execution estimator for a 24,000 t/d gold plant. Field assignment included review and negotiations with construction contractors for additional works at site and recommendations to the client.

Freeport-McMoran, Cerro Verde Primary Sulphide Project (\$900 Million), Peru. Served as cost control and field estimator for a 100,000 t/d copper plant. Responsible for field review and negotiations with construction contractors for additional works at site and cost recommendations to the client.

BHP Billiton, Antamina Mine Projects Group, Peru. Project controls for infrastructure improvements at Antamina existing facility.

Newmont, Yanacocha Mine (\$0.5 Billion), Peru. Design mechanical engineer for the Yanacocha Projects (specs and datasheets, technical bid evaluations, and detail design). Also served as home office scheduler for the engineering home office.

Overseas Bechtel Inc, Antamina Copper Project (\$2.5 Billion), Peru. Antamina project is a Copper Zinc operation at 4,200 masl in the high andes of Peru.
Cost Trend Engineer (year 2000)
Field Schedule Concentrator Area (year 2000 and 2001)

Education

Masters of Business Administration, Centrum School of Business

Bachelors of Science, Mechanical Engineering, Pontifical Catholic University of Peru

Professional Association

American Association for Cost Engineering (AACEI) Member