

## Christian Karwoth

Associate Director

Christian Karwoth has more than 14 years of experience in the civil engineering and heavy construction industry. He has worked on large industrial and infrastructure projects throughout Latin America with a focus on site management, scheduling, progress reporting and contract administration.

He has provided case support involving critical path analyses, contractor termination, subcontractor disputes, loss of productivity, differing site conditions, change order disputes, and liquidated damages for owner, contractors, and subcontractors on disputes ranging from US\$40 million to US\$600 million and has testified as an expert and fact witness.



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### Selected Project Experience

- Provided quantum analysis for expert report on contractor prolongation costs for a \$5.1 billion oil refinery project in the Middle East.
- Provided quantum analysis for expert report on change orders, delay damages and delay liquidated damages for windfarms in Mexico and the United States.
- Provided quantum analysis for expert report on design changes, changed ground conditions and delay damages on an interstate rehabilitation project for a contractor in the United States.
- Delay analysis and testimony before an ICSID case regarding the construction of a BOT highway concessions project in Peru.
- Review and response to US\$400 million in claims from the Owner and preparation and elaboration of US\$150 million in counterclaims from the Contractor for a US\$2 billion hydro-electric power plant project in the Andes Mountains in Chile.
- Performed detailed productivity analysis on civil works, impact assessments due to late drawing submissions, analysis and evaluation of Change Orders and Site instructions and calculation of damages for a US\$250 million expansion of a coal fired power plant in Chile. Provided Testimony at Arbitration in New York City.
- Preparation of Dispute Adjudication Board submissions according to FIDIC Red Book for a hydro-electric power plant in the Peruvian Andes, assessing entitlement for Extensions of Time in underground works due unforeseeable ground conditions. Provided Testimony at hearings in London.
- Site management for tunnel and cavern excavation (NATM), claim substantiation and documentation for excusable delays owed to unforeseeable underground conditions, changed support designs and execution methods. Responsible for conducting resource planning, progress monitoring, and data analysis for a 155 MW hydro-electric power plant.
- Site management and subcontractor coordination on a coal fired power plant. Preparation of schedules and implementation of acceleration measures. Claim substantiation and documentation due to restricted access to Owner provided work areas and trade stacking on a 150 MW power plant in Chile.
- Contract and Subcontract administration, incl. substantiation and assessment of Claims and Variations in TBM tunneling, preparation of cost forecasts, evaluation and negotiation of Project Change Orders, preparation and negotiation of monthly payment applications and resource management for a 540 MW hydro-electric plant in Chile.
- Review and preparation for tender documentation for various hydro-electric power plants in South America.

### EDUCATION

Technical University  
Darmstadt  
M.S. Civil Engineering  
(Diplom-Ingenieur), 2008

University Politecnico de  
Catalunya, Erasmus  
Semester of Civil  
Engineering, 2005

### LANGUAGES

German, English, Spanish

### MILITARY

German Military Service at  
Armored Brigade Neustadt,  
Hessen, Departure as Private  
1st Class