



# KEITH G. MADDEN

Specialist Consultant

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## Areas of Expertise

- Risk Management
- Management Consulting
- International Contracting and Management
- Engineering and Construction Management
- Procurement Management
- Contract Negotiation
- Claims Prevention
- Change Management
- Strategic Planning
- Quality Assurance and Control
- Financial Management
- Project / Program Management
- Project Delivery and Constructing
- Operations Management
- Constructability Reviews

## Background

Mr. Madden is a Pegasus Global Holdings, Inc. Specialist Consultant and has extensive experience in the management and control of engineering and construction projects. Mr. Madden has worked on a wide range of projects throughout Australia and internationally, including mineral developments (copper, gold, lead, silver, zinc, nickel and cobalt), aluminum smelters, pulp and paper mills, nuclear and fossil power plants, chemical plants, maintenance and infrastructure projects. Drawing upon his 25 years of experience in project management and controls, Mr. Madden is involved in all aspects of Pegasus Global Holdings, Inc. risk and management consulting engagements.

Mr. Madden's management consulting experience includes contract negotiation and administration, financial management, feasibility analyses, constructability reviews and quality assurance and control. His project management and controls experience is extensive and ranges from direction of multidiscipline engineering to procurement and construction (EPC) teams, preparation and negotiation of major EPC contracts, management of feasibility studies for mining, manufacturing and other projects, and leadership of value-engineering programs. He has managed project controls on numerous development projects, from earth and rock fill dams to nuclear power plants, ranging in value from \$10 million to \$1 billion. He has also developed and led commercial awareness seminars to promote a business-oriented approach in the execution of projects by engineer personnel

In the risk management arena, Mr. Madden acts as a senior member on engagements, leading and performing a variety of project-specific and corporate risk assessments and audits. He also develops and leads customized training and instructional programs for range of private, multinational and public agency clients. His expertise includes extensive claims prevention and strategic planning.

Mr. Madden, throughout his career in the industry, has led and executed analyses involving issues of schedule delay, disruption, acceleration, early completion, costs, damages, lost revenue / business interruption, productivity and inefficiency, change orders, differing site conditions, cumulative impact, causation and responsibility, termination and others. He has presented expert witness testimony in arbitrations and dispute board reviews, and participated in and led major contract claims through negotiation and resolution. He has extensive experience in the preparation of expert witness reports, testimony, mediation presentations and briefs, and has participated in strategic planning, claims management and negotiations through all phases of litigation.

Mr. Madden's engagement experience also includes pre-design work, bidding, estimating, surveying, technical evaluations, start-up and operations, procurement activity, resource loading and activity evaluation, project closeout, forensic engineering, and commissioning, testing and maintenance, and inspection of work on construction sites.

He has worked on numerous domestic and international engagements (*see attached Representative Engagement Experience*).

Prior to becoming a Specialist Consultant with Pegasus-Global, Mr. Madden was the office manager of Nielsen-Wurster Asia-Pacific Pty. Ltd. in Melbourne, Australia, a subsidiary of The Nielsen-Wurster Group.

Mr. Madden worked at Fluor Australia for approximately 25 years in total, holding senior roles of Claims Consultant, Manager of Project Controls, Project Manager, Proposal Manager, Project Engineer and Cost Engineer. He held additional roles as Project Controls Manager at Newcrest Mining Ltd.; Manager of Technical Services at ALREM (Dravo Corporation) (Algeria); Partner-Consulting Services at Resource Engineering Associates (US); and Project Controls Manager at Daniel International Corporation (USA). Mr. Madden has lived and worked for extended periods in the United States, United Kingdom and Algeria.

## **Education and Courses**

### **Education**

- Master of Business Administration, Cranfield University, Cranfield, Bedfordshire, United Kingdom
- Bachelor of Civil Engineering, University of Melbourne, Melbourne, Victoria
- Expert Witness Development Series, Communications Corporation of America, Seattle, Washington

## **Memberships**

- Association for Advancement of Cost Engineers
- Cranfield Management Association
- Institute of Engineers, Australia

**KEITH G. MADDEN**  
*Representative Engagement Experience*

Industry	Type	Project Name
<b>Infrastructure / Transportation</b>	<b>Port</b>	Abbot Point Coal Wharf / Loader, Australia (Queensland)
<b>Infrastructure / Transportation</b>	<b>Dam</b>	Cardinia Creek Dam, Australia (Victoria)
<b>Infrastructure / Transportation</b>	<b>Rail</b>	Malden-Dunbarton Rail Project, Australia (New South Wales)
<b>Infrastructure / Transportation</b>	<b>Rail</b>	Parramatta Rail Link Risk Management Study, Australia (New South Wales)
<b>Infrastructure / Transportation</b>	<b>Rail</b>	Victoria Rail Maintenance, Australia (Victoria)
<b>Infrastructure / Transportation</b>	<b>Rail</b>	Southern Cross Station Re-development Project, Australia (Melbourne)
<b>Infrastructure / Transportation</b>	<b>Rail</b>	Regional Fast Rail Project, Australia (Melbourne)
<b>Infrastructure / Transportation</b>	<b>Roadways</b>	Western Freeway Project, Australia (Victoria)
<b>Industrial / Process</b>	<b>Refinery</b>	BP Refinery Expansion, Australia (Queensland)
<b>Industrial / Process</b>	<b>Refinery</b>	Murrin Murrin Nickel / Cobalt Project, Australia (Western Australia)
<b>Industrial / Process</b>	<b>Refinery</b>	Salt Refinery, Algeria
<b>Industrial / Process</b>	<b>Mining</b>	Cannington Silver / Lead / Zinc Project, Australia (Queensland)
<b>Industrial / Process</b>	<b>Mining</b>	Lihir Gold Project, Papua New Guinea
<b>Industrial / Process</b>	<b>Mining</b>	Newlands / Collinsville Coal Project, Australia (Queensland)
<b>Industrial / Process</b>	<b>Mining</b>	Porgera Gold Project, Papua New Guinea
<b>Industrial / Process</b>	<b>Mining</b>	Ridgeway Gold Project, Australia (New South Wales)
<b>Industrial / Process</b>	<b>Oil &amp; Gas</b>	Gas and Fuel Maintenance, Australia (Victoria)
<b>Industrial / Process</b>	<b>Chemical / Petrochemical</b>	Citric Acid Plant, United States (North Carolina)
<b>Industrial / Process</b>	<b>Industrial Plant</b>	Maryvale Paper Upgrade, Australia (Victoria)

**KEITH G. MADDEN**  
*Representative Engagement Experience*

<b>Industry</b>	<b>Type</b>	<b>Project Name</b>
<b>Industrial / Process</b>	<b>Industrial Plant</b>	Kimberly Clark Pulp Mill, Australia (South Australia)
<b>Industrial / Process</b>	<b>Industrial Plant</b>	Pulp Bleaching Project, Tasmania
<b>Industrial / Process</b>	<b>Pipeline</b>	Dampier-Perth Gas Pipeline, Australia (Western Australia)
<b>Industrial / Process</b>	<b>Other</b>	Mozal Aluminum Smelter, Mozambique
<b>Industrial / Process</b>	<b>Other</b>	Tomago Aluminum Smelter, Australia (New South Wales)
<b>Power</b>	<b>Fossil Fuel</b>	Redbank Power Station, Australia (New South Wales)
<b>Power</b>	<b>Fossil Fuel</b>	Dampier 'C' Power Station, Australia (Western Australia)
<b>Power</b>	<b>Fossil Fuel</b>	Loy Yang A Power Station Maintenance, Australia (Victoria)
<b>Power</b>	<b>Nuclear</b>	Calloway Nuclear Power Plant, United States (Missouri)
<b>Power</b>	<b>Other</b>	Yalloora Power Station, Australia (Victoria)
<b>Environmental</b>	<b>Other</b>	Docklands Remediation Project, Australia (Victoria)
<b>Buildings</b>	<b>Other</b>	Victoria Remand Center, Australia (Victoria)
<b>Buildings</b>	<b>Other</b>	Proctor & Gamble Amenities Building, United States (Ohio)