



CAPABILITY STATEMENT | RESOURCES

South pacific engineering design leaders



Who we are

Kramer Ausenco previously known as Cameron McNamara Kramer Pty Ltd, Kinhill Kramer Pty Ltd and Kramer Group, is the largest independent professional project management, architecture, engineering, survey, quantity surveying, construction management and planning services organisation resident within the Southern Pacific Region. Originally founded in 1978, Kramer Ausenco still remains

as the leading engineering and project management firm in the South-West Pacific. We have offices in the following countries

What we do

- Professional Project Management
- Procurement & Planning
- Civil Engineering
- Structural Engineering
- Building Services Engineering
- Hydraulic Engineering

- Quantity Surveying/ Cost Planning
- Architectural Design Services
- Surveying
- Construction Management
- Studies



- CAD Services.

Our vision

Kramer Ausenco is devoted to the development of excellence in professional engineering and allied sciences, and we are also truly committed to the development of the South Pacific Region. Our successful record attests to our achievements of our corporate goals and the high level of professional service provided to our clients.

Our people

Our achievements are driven by our experienced leaders and highly talented people in our company. The way that we care for, develop and encourage our people is an important part of each of our cultures. Our approach to delivering projects is complementary and this means that we are able to put together the best people to form a tailored project team to deliver any project.

Our values

Our core values below guide the way that we work every day. These core values also represent our commitment to our clients and ensure that we focus on providing the best fit sustainable solution which meets the needs of all stakeholders.



Our values

Safety in all we do	Our people are our strength	Innovative solutions that work	The client is our focus	We are open, honest, collaborative	Respect the community, the environment
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Our system

Experience has shown us that successful projects employ integrated systems which assist the project team to monitor and control every aspect of the work. Kramer Ausenco make use of proven project delivery systems which facilitate our work and provides accurate and reliable reporting to highlight potential issues, before they affect the project's performance. The system dictates that data is entered once, validated and then used across the project. This ensures that the entire project team is working with the latest data, allowing us to make decisions quickly and accurately.

Our Services

Kramer Ausenco service capability covers the complete project lifecycle, from concept development through to detailed design, financing, planning approvals and construction of small and large scale projects. We have the ability to develop specific solutions to cater for any aspect of the development to ensure the needs of all of their stakeholders are met. Our services are broad and cover many different disciplines.

Kramer Ausenco is registered with funding agencies such as the World Bank, the Asian Development Bank, and the United Nations Development

Program, and the European Union, and as such has been engaged on projects funded through these agencies. Other funding agencies the firm has completed assignments for, include the Japan Bank of International Co-operation (formerly Overseas Economic Co-operation Fund of Japan), the Export Import Bank of Japan, the Japan International Co-operation Agency, and the Export Finance and Insurance Corporation of Australia.

Our experience in the South-West Pacific region ensures that we remain the leading engineering and project management firm for the region.

Our services

Aviation	Bridges	Building Services	Commercial, Residential & Industrial	Education	General	Utilities & Infrastructure	Health
Hospitality & Leisure	Law & Justice	Maritime	Public Sector & Urban Development	Resources	Highways & Roads	Water & Sanitation	

Program management specialists

Kramer Ausenco has program management experience for large scale projects throughout the world including many developing countries. Our program management expertise ranges from buildings, civil infrastructure, resources, energy and process infrastructure. From small

studies to large scale EPCM (Engineering, Procurement and Construction Management) and EPC (Engineering, Procurement and Construction) contracts and operations solutions for a range of commodities, we deliver.



Planning and conceptual design

Kramer Ausenco's services include all aspects of project planning (including the securing of all levels of authority approvals, town planning and zoning requirements), conceptual design, environmental assessment, cost estimating, and financial and economic evaluation. The organisation is capable of undertaking a wide variety of Commercial and Residential projects.

Kramer Ausenco's planning and conceptual design projects have included:

- Site Master planning, including assessment of existing infrastructure

- Conceptual building design for feasibility assessment
- Budget formulation and control
- Project Risk Assessment and Management

Environmental and social issues

Kramer Ausenco is capable of preparing environmental impact assessments for infrastructure developments. The company is qualified to assess proposed development plans and rehabilitation of existing infrastructure against a range of environmental and social criteria.

Environmental impact statements involve project management, marshalling of multi-disciplinary skills and understanding of social, economic and environmental issues. Attesting to our skills in this aspect are the issues in PNG that expand beyond the normal environmental science questions leading into a complex and unique web of cultural and traditional understanding. Kramer Ausenco has had over 35 years experience in dealing with such issues including the establishment of genealogy hierarchy and land and crop compensation settlements.



Design and documentation

Kramer Ausenco's completed projects are testimony to the importance of the work entrusted to the company and form the basis of the design and documentation skills developed among our staff. Kramer Group can provide Commercial and Residential Development expertise in the following disciplines.

Project & Construction Management

This service has been provided since the early 1980's and has been successfully demonstrated on a number of significant projects. The service includes the following:

- Project Planning
- Design Control
- Construction Supervision
- Contract Interpretation
- Tender Preparation and Evaluation
- Materials Ordering and Expediting
- Team Alliances and Liaison
- Financial Reporting
- Cash Flow Control
- Scheduling
- Construction Co-ordination
- Progress Reporting

Kramer Ausenco operate under a Project Management framework developed and used over the years to suit local conditions in the region to ensure successful completion of projects on time and within budget.

Architecture

Site master planning, concept planning, functional relationships, detailed design and construction detailing.

Structural Engineering

Covering both conventional and more specialised forms of construction, we are very conversant with the seismic design requirements and all relevant PNG, Australian and other relevant codes of practice.

Water engineering

Within the Kramer Ausenco and our strategic alliances, our specialist water engineers are acknowledged for their expertise. Our services include survey, investigations, flood mitigation studies, hydraulic studies for infrastructure location and design parameters, feasibility studies, and design and documentation.

Mechanical, electrical and hydraulic services

Our team is experienced in a wide range of Building Services sectors including HVAC, Smoke hazard management, lighting and power reticulation, fire detection and suppression systems, security systems and data and communications systems, electrical and gas hot water generation, fire fighting infrastructure and sanitary drainage.

Survey and geotechnical work

All necessary briefing and interpretive skills are available in-house where professional engineers subcontract the detailed requirements to specialist firms whose capabilities are well known and highly regarded.

Risk management

Within Kramer Ausenco, basic principles drive specific management actions to ensure that the right skill, experience and checking procedures are brought into play at key times in the planning, design and construction processes. The principles are:

Personnel selection

Kramer Ausenco's regional size and presence supported by the Ausenco Group provides an appropriate choice of personnel with the relevant skills for the project.

Management structure

This provides cross-fertilization of ideas, variety and depth of relevant local experience. Kramer Ausenco also has an in-house, computer based management information system which is a powerful and useful tool in the control of projects and resources. This is combined with a state of the art intranet IT System which provides the latest in communications, data transmission and systems control.

Project definition

Fundamental objectives and criteria for success are established with the client from the outset of any project.

Value for money

Kramer Ausenco's practical architecture and engineering approach challenges many preconceived notions and has saved significant costs on projects.

Quality assurance

Kramer Ausenco conducts its affairs in accordance with a set of operating procedures referred to as the Kramer Ausenco Business System. This system has been third party certified to conform to the requirements of AS/NZS ISO 9001.



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Professional project management

Kramer Ausenco takes pride in its project management capabilities as they relate to planning, design, construction and commissioning of projects on behalf of clients. The services offered are tailored to suit each specific project and the particular client's requirements. The project management team, under the direction of the Project Director or Project Manager, take responsibility for all aspects of the project phases from planning/permitting phase to fixing the budgets to design/documentation to tender and superintending the contracts.

Subject to project requirements Kramer Ausenco will advise at the outset on the most appropriate management procedures for a particular project.

Kramer Ausenco can provide project management services acting as the client's principal agent. In this capacity, Kramer Ausenco provides and directs all technical services, supervises the conduct of the project in terms of the client's requirements relating to quality, time, cost, cash flow and resource utilization, and presents regular systematic reports on progress.

Alternatively, Kramer Ausenco can provide project management co-ordination services, including assembly of the project team and co-ordination of its activities. Under this arrangement, the client's project manager retains authority for directing the project, but is relieved of the time commitment involved in a full project management role.

In recent years, Kramer Ausenco has provided project management services to industry and governments for projects with cumulative capital value in excess of US\$100 million.



Resources projects

Kramer Ausenco has vast amount of experience in the resources sector. In most cases construction, supervision and contract administration have been provided. Work locations have been throughout Australia, Papua New Guinea, Solomon Islands, Fiji, Vanuatu and Peru.

Examples of Kramer Ausenco's Resources experience are shown below:



KESTREL MINE EXTENSION

**Emerald, Central QLD –
Australia**

- Kramer Ausenco provided project engineering services during the procurement, construction, commissioning and handover for Kestrel Mine Extension.
- The extension is 7km southeast of the existing Kestrel Mine site. It has its own Mine Infrastructure Area, with two portals to the underground pit. Production is 5.7M Tonnes/year.
- Responsibilities: Project packet engineer, project engineer

CADIA EAST

Orange, NSW – Australia

- Kramer Ausenco provided detailed design only for surface works for the CVO for
- Stage 1 (ball mill and tailings thickener);
- Stage 2 (secondary crushing and screening);
- Stage 3 (flotation);
- Stage 4 (high pressure grinding roll and concentrate pumping);
- Newcrest have selected Fluor Australia as PCM Contractor (design includes infrastructure works) with SKM (underground design works) and Ausenco (aboveground design works).
- Responsibilities: Structural Engineers

LIHIR FLOTATION EXPANSION

Lihir, New Ireland - PNG

- Kramer Ausenco provided PNG compliance for the electrical design documentation & supervision roles during the installation and commission phases for the upgraded facilities. Kramer Ausenco also provided construction superintendent personnel for the civil works.
- Responsibilities: Electrical engineering and construction supervision



Lihir NCA1 Project (Carbon in Leach (CIL) Refurb)

Lihir, New Ireland -PNG

- The project was a brownfields project within an operational site and as such, the tie-in, construction and installation work needed to be planned around minimising disruption to site operations.
- Works also included the necessary, civil works, electrical, mechanical, hydraulic, instrumentation and tie-ins.
- Responsibilities: Site project administration and document control, site project support and technical services, site structural supervisor, site construction supervisor quality officer, and structural engineering services



Constancia

Andes – South-eastern Peru

- The Constancia Project is located in the South-eastern Peruvian Andes, in the districts of Chamaca and Livitaca, Province of Chumbivilcas, approximately 600 km Southeast of Lima, at an elevation ranging from 4,000 to 4,500m above sea level. It is an open pit operation mining a porphyry copper-molybdenum deposit.
- Kramer Ausenco provided design and detailing of Industrial building envelopes including roof sheeting, wall cladding and door and window scheduling. Building types included Reagents Storage, Concentrate Handling and Lube Rooms.



Wafi Golpu

Morobe Province – PNG

- Kramer Ausenco has provided Engineering Design, Project Engineering and On-Site Project Services Support to the Wafi-Golpu Project. We provided support to the Owner's Team for coordination of infrastructure, ground investigation and survey studies. We also undertook design of Mining Support Infrastructure (Industrial Area) and provided an on-shore solution for logistical project services.
- In addition to Kramer Ausenco's role on the project, Ausenco also completed a 2012 Prefeasibility Study for the 20MTPa Copper Concentrator and Concept designs for regional access and material transport corridors.
- Responsibilities: Project engineering services (studies), on-shore project services (logistics) engineering (engineering for industrial mine support area)



Gulf LNG Project

Kerema, Gulf Province– PNG

- Kramer Ausenco contracted to provide support services to assist in the development of sections of the Petroleum Processing Facility License (PPFL).
- Responsibilities: Project engineering services

Kramer Ausenco's team strength lies in its people.

Frank Kramer

Chief Executive

Kramer Ausenco

Frank Kramer established the first indigenous owned Engineering firm in Papua New Guinea. He has been involved in the Project Management, Project Financing and major loan negotiations for the Government Instrumentalities. His interest in projects financing has lead him into negotiating and or co-arranging finance packages for numerous private and public projects. Notably, Frank was the co-team leader in negotiating in excess of US\$100M on behalf of the PNG Government for Jacksons (Port Moresby) International/Domestic Airport Terminal Upgrading from the then OECF-now JBIC Japan Bank of International Cooperation (1990).

Bruce Nicholson

Chief Operating Officer

Kramer Ausenco

Bruce has more than twenty-five years' experience in project management in particular the management of multidisciplinary infrastructure projects, multidiscipline team compositions and diverse stakeholder groups. He has over the last fifteen years been continuously involved in project work in developing countries viz. Papua New Guinea, Samoa, Vanuatu, Tonga and Solomon Islands. In that time he has managed and administered a range of institutional infrastructure projects for donor agencies such as AusAID, World Bank, EU, ADB and JBIC to FIDIC and Australian General Conditions of Contract. Bruce is a member of the Institution of Engineers PNG and is currently based in PNG.

Simon Cmrlec

President, APAC/Africa

Ausenco

Simon has been involved in the successful delivery of a number of major projects over the past 15 years. He has previously held roles such as Site Manager, Project Manager and Construction Director on multi-billion dollar projects. Most recently Simon was the Project Manager and then the Construction Director for Vale Inco's \$3.5B Goro Nickel Project in New Caledonia.

Simon has considerable experience in the fields of offshore fabrication and modularisation and has worked in the US, Saudi Arabia, South Africa, Indonesia, the Philippines and Australia.

Ed Skinner

President, Program Management

Ausenco Program Management

Ed is a Mechanical Engineer with substantial project management and commercial management experience gained on major mining, power generation and infrastructure projects. Mr Skinner has worked extensively in West Papua, Indonesia and New Caledonia.

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