

# MARSHALL ISLANDS USP CAMPUS PROJECT

**KA PROJCT REFERENCE:** 14440F

**INDUSTRY:** Education

**DISCIPLINES:** Project Management, Mechanical Services, Hydraulic Services, Fire Protection Services, Electrical Services and Construction Verification & Contract Administration

## PROJECT SUMMARY

### CLIENT

University of the South Pacific

### LOCATION

Majuro, Marshall Islands

### PROJECT TYPE

Consultancy Services

### YEAR COMPLETED

2018



## PROJECT DESCRIPTION

The University of the South Pacific sought to develop a new campus in the Marshall Islands. The \$US2 million campus is situated in a renovated section of the Long Island Hotel in Majuro which had previously been acquired by the Marshall Islands government. The government contributed \$US 500,000 to the renovations while the USP provided the balance.

This campus is an important component of USP's regional campus strategy as the main campus in the Northern Pacific. The previous campus was a temporary facility, which had insufficient classrooms. University operations were split at two places and the learning environment in terms of computer lab, science lab, and quality of staff offices required uplifting to the university's branding and excellence standards.

The new Campus has the capacity to serve over 1000 students, with approximately 500 students enrolled at the time of completion. Further future expansion is planned, as only one of three buildings has been renovated. The Campus was previously the fully functioning beachfront Long Island Hotel, providing students and staff with one of the most beautiful of all the pacific campuses.

In addition to Academic facilities and services, the new Marshall Island Campus will offer a range of social, cultural, and sporting activities. The campus will have a café where students can enjoy meals. There will be a campus choir and music facilities with a range of instruments available. For sporting activities, the campus will boast a recently renovated tennis courts, table tennis and beach volleyball, a fitness center/gym, kayaks, and snorkeling equipment to explore the campus reef. The campus also hosts the Majuro Ocean Sports Club that has state-of-the-art outrigger paddling canoes and plans to include swimming, water safety, standup paddling, and surfing in the club's activities.

The first stage of the renovation includes covers an approximately Total Floor Area of 3800m<sup>2</sup>.

## PROJECT ROLE

Kramer Ausenco was engaged for engineering design documentation, quality assurance, project management, and construction administration. Specific professional services provided include:

- Mechanical Services
- Hydraulics Services
- Fire Protection Services
- Electrical Services
- Project Management
- Construction verification
- Contract administration

# MARSHALL ISLANDS USP CAMPUS PROJECT

## PROJECT DATASHEET

**Project Reference:** 14440F

**Industry:** Education

<b>ASSIGNMENT NAME:</b>	<b>APPROX. VALUE OF THE CONTRACT:</b>
Marshall Islands USP Campus Project	Estimated FJD 2M
<b>LOCATION &amp; COUNTRY:</b>	<b>DURATION OF ASSIGNMENT (MONTHS):</b>
Majuro, Marshall Islands	47
<b>NAME OF FUNDING AGENCY:</b>	<b>TOTAL NO. OF STAFF-MONTHS OF THE ASSIGNMENT:</b>
University of the South Pacific	20 person months
<b>ADDRESS OF AGENCY:</b>	<b>APPROX. VALUE OF THE SERVICES PROVIDED BY YOUR FIRM UNDER THE CONTRACT:</b>
Laucala Bay Road, Suva, Central, Fiji	FJD 250k
<b>START DATE (MONTH/YEAR): COMPLETION DATE (MONTH/YEAR):</b>	<b>NUMBER OF PROFESSIONAL STAFF-MONTHS PROVIDED BY ASSOCIATED CONSULTANTS:</b>
Start date: November 2014 Completion date: October 2018	N/A
<b>NAME OF ASSOCIATED CONSULTANTS, IF ANY:</b>	<b>NAME OF SENIOR PROFESSIONAL STAFF OF YOUR FIRM INVOLVED AND FUNCTIONS PERFORMED:</b>
N/A	Shane Harris (Country Manager – Fiji) Jay Jameson (Senior Structural Engineer) Monesh Kumar (Senior Hydraulics/Fire Services Engineer) Richard Sekiguchi (Design Manager - Building Services) Nikita Sharma (Senior Electrical Engineer) Rohitesh Prakash (Senior Mechanical Engineer)

### NARRATIVE DESCRIPTION OF PROJECT:

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### DESCRIPTION OF ACTUAL SERVICES PROVIDED BY YOUR STAFF WITHIN THE ASSIGNMENT:

Kramer Ausenco was engaged for engineering design documentation, quality assurance, project management, and construction administration.

Specific professional services provided include:

- Mechanical Services
- Hydraulics Services
- Fire Protection Services
- Electrical Services
- Project Management
- Construction administration

#### **Phase 1- Concept Design (Briefing/Concept)**

- Design Team met with the Client to review preliminary project concepts and documentation, confirmed brief and confirmed responsibilities and procedures. The building Functional Design Brief developed and documented, and all design deliverables articulated in the document for Client review and sign off.
- Conducted briefing sessions with the Client engaged sub-consultants for survey and investigations.
- Provided engineering input with reference to local factors, i.e. structural requirements for earthquake design to Code and applicable NZ/AS standards.
- Prepared of the schematic design options to meet project requirements, including high regard for energy efficiency, sustainability and ongoing operational costs.
- Reviewed site survey/contour drawings, geotechnical reports and made recommendations on foundation systems required and the extent of site cut/fill.
- Advised of any engineering constraints and opportunities with the preliminary architectural concepts (floor to floor heights, base building construction method)
- Coordinated of concept design with architectural and all engineering disciplines.
- Visited Site and reviewed existing conditions of services on Site.
- Reviewed of infrastructure required to support new facilities (storm water, power and water supply).
- Studied requirements on-site, which may include storm water collection, drainage, water supply and distribution, pollution control etc. Confirm legal point of discharge for storm water.
- Assisted in preparation of material for the consultation with authority's application for approval, re-zoning, development and building permitting.

#### **Phase 2 – Detailed design (Design and Documentation)**

- Designed sufficiently to assist final sign-off of all elements of the building to be procured, co-ordination with all engineering disciplines & architecture to assist in confirmation of all critical dimensions & spaces.
- identified any procurement opportunities for items to be purchased directly by the client.
- reviewed design against the approved brief document.
- Prepared documents for building approval, including certification as required by the authority.
- Prepared design documentation suitable for tender and head contractor.
- Assisted in the full coordination of the design, in conjunction with the other design consultants.
- Ensured the design complies with the requirements of the current draft Building Code, BCA, and consulted with the building certification authorities as required.
- Prepared material specifications, and assisted in preparing Contract and Construction Documentation

#### **Phase 3 – Construction Verification & Contract Administration**

- Periodic inspections carried out on a weekly basis to ensure the construction work was generally carried out to the intent of the documentation and ensured the achievement of quality work was on time.
- Chaired and recorded regular meetings between the parties, and prepared and circulated minutes thereof. Ensured correct channel of communication was in place and followed by all parties.
- Provided information/clarification and answers to contractor's Request For Information (RFI) in an appropriate time, including the issue of instructions and directions to various parties responsible.
- Reviewed Contractor's shop drawings, product data samples and other submissions as required.
- Undertook inspections at practical completion of the works and prepared defects list. Issued documentation as required for the provision of as-built documentation by the contractor.
- Reviewed and approved as-built documentation and maintenance manuals provided by the contractor.
- Aided and support during the post construction phase, including the following:
  - Completion of defect list items and signing off.
  - Investigated and participated in any ongoing construction problem resolution as required.
  - Prepared certificates such as Practical Completion and forecast completion dates and milestones.