



COMPANY OVERVIEW

NRW Specialists is an Australian based Consulting Engineering company with international advisory and design capability.

The company operates in a number of countries and offers specialist skills to enhance the delivery of a wide range of services. Founded originally to provide water and wastewater services with specialist capability in Non-Revenue Water (NRW) reduction, the company now provides a wide range of engineering services including structural, civil, water and wastewater, mechanical, electrical and marine services.

We provide our services to mainstream cities and towns as well as remote and rural communities, and have a niche capability to provide innovative engineering solutions in developing countries and indigenous communities.

NRW operates in the Pacific largely through our subsidiary company, NRW Macallan (Fiji) Ltd which is based in Suva, Fiji. The Fiji office brings with it more than forty years valuable experience in providing engineering services to the Pacific Region.

NRW has successfully undertaken projects in Australia, New Zealand, Malaysia, Fiji, Tonga, Samoa, Kiribati, New Caledonia, Tuvalu, Vanuatu, Papua New Guinea, East Timor and the United Arab Emirates."





HOW WE OPERATE

NRW operates effectively using its Australian based company and its Pacific based company "NRW Macallan (Fiji) Ltd". NRW Specialists (Pty) Ltd being based in Australia, manages the Australian and New Zealand based works as well as a number of projects outside of Australasia. NRW Macallan (Fiji) Ltd, based in Suva, Fiji uses its extensive Pacific experience to provide services to the greater Pacific Region.

Due to the fact that NRW undertakes many projects in overseas countries where it does not have a full time presence, specific projects often require a full time project office to provide local support and deliver key results for Clients. Project offices are therefore established and staffed for specific projects in the relevant overseas country. These Project Offices are supported by both the Australia and Fiji based companies.

OUR SERVICES:

PROJECT AND PROGRAM MANAGEMENT

The delivery of high quality projects requires the assignment of skilled Project managers working to tried and tested systems that support the end result. Our Project Managers are supported by our in-house systems that have been developed to suit varied conditions while adopting best practice concepts from countries such as Australia and New Zealand. While we adopt rigorous Quality assurance systems, we are also always open to adopting new emerging styles of management and engineering concepts where we can see value to our clients.

STRUCTURES

The structural engineering services offered by the company are extensive and modern using state of the art design software including computer aided design, drafting and proprietary software such as AutoCAD, 12D, Microstran, ETABS and MS Towers. The company has undertaken a wide range of structural design and construction supervision services for residential, commercial and industrial clients.

Typical structural professional engineering services include design of single story to multi-level buildings, cyclone assessments and certificates, retaining walls, sports stadiums, hotels, structural design of factories, island resorts and resort swimming pools, structural analysis of existing facilities, analysis and design of telecommunications towers and masts, design of spillage bunding for petrochemical companies, design of marine structures and road and pipe bridges.

WATER AND WASTEWATER

NRW has significant water and wastewater experience gained in a number of different countries. Water services extend from high level organisational assessments and Capital Works Program reviews through to design and supervision of water and wastewater infrastructure. Key services include Water and Wastewater Treatment Plant designs, pipeline design, Non-Revenue Water (NRW) reduction, pump station design, river intake design, small dam design and water retaining structures (reservoir) design. The latest software is utilised for activities such as hydraulic analysis and detailed design. In particular, NRW Specialists is able to offer specialist services in the reduction of Non Revenue Water (NRW).

MECHANICAL

NRW undertakes a wide range of mechanical engineering services and has developed a reputation for the quality of its work and the range of the services provided. Typical services include inspections of various installations to identify the condition and reliability of the assets, assessment of existing structures and performance of tower cranes. In particular, NRW has undertaken the structural assessment and condition assessment of a number of telecommunications towers in the Pacific.

ELECTRICAL

A range of electrical works have been undertaken by NRW ranging from minor domestic/commercial works through to major lighting projects at industrial or recreational facilities. Lighting for sports facilities such as Lawaqa Stadium in Fiji has been undertaken together with major industrial main switchboards to lighting for medical operating theatres, general purpose entertainment halls and factories. Design requirements for many diesel driven generators have also been carried out at numerous locations particularly at remote communities. Such works have included the sourcing and selection of the most suitable and cost effective units, from design to final commissioning.

ROADS AND BRIDGES

The company has a history of integrating roads and structural design to provide an all-in-one solution to Client needs. The key services offered include concept design with due consideration for current design standards and international best practice, geometric road design based on appropriate standards and road pavement design. As part of the road design packages, road bridges and water pipe support bridges at river crossings are routinely designed.

LAND DEVELOPMENT

NRW undertakes land development projects designing all of the services namely roads, water, wastewater, storm water and electricity. All design work is undertaken to the highest standards by experienced staff using software packages such as 12D and AutoCAD.

MARINE

NRW has undertaken a number of marine projects from marine navigation beacons to slipways and marine structures. Design, supervision and general consulting works have included slipways from 100 to 1000 tons. Past projects have included upgrading of beacons at sea, proposed expansions to a shipyard to include a new major slipway and expansions to existing slipways. A number of jetties for resorts have also been designed.

WHERE WE WORK

NRW continues to operate internationally in a number of countries and manages projects directly in the relevant country or externally from the Australian or Fiji Offices. NRW has provided its engineering services in the following countries, Australia, New Zealand, Malaysia, Fiji, United Arab Emirates, Tonga, Samoa, Kiribati, New Caledonia, Solomon Islands, Tuvalu, Vanuatu, Papua New Guinea and East Timor.





TAILOR MAKING YOUR **SOLUTIONS**

For more detailed information on any of our services please refer to our website

www.nrwspecialists.com.au

which contains additional information and brochures that may be downloaded.

CONTACT US

NRW may be contacted through our Australia Head office or through our Fiji Office in Suva, Fiji.

NRW SPECIALISTS (PTY) LTD

PH : +61 (0) 755 801 688

Email : info@nrwspecialists.com.au

NRW Macallan (Fiji) Ltd

PH : +679 331 3388

Email : info@nrwmacallan.com.fj

