



parkland Irrigation

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www.irrigation.co.nz



Why Parkland Irrigation?

Parkland Irrigation is a proven irrigation services company. It was established in 1988 and operates in all irrigation sectors throughout Australasia, Asia and the South Pacific.

For over 20 years, Parkland has been a reliable, customer-focused provider. The Company's extensive industry knowledge and specialist skill sets achieve and maintain the best irrigation systems, whatever the watering requirement.

Parkland prides itself on its professionalism. The Company's policy is to deliver exactly what is promised, at the quoted price.

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Team of Specialists

Parkland Irrigation is staffed by highly skilled professionals. Between them, their academic and practical qualifications cover every aspect of irrigation – agronomy, design, engineering, programming, training, project management, servicing and audits.

Parkland's team has gained comprehensive local and international experience in every irrigation application. Here are just a few examples:

- Irrigation audit, The Gabba, Queensland
- Sports fields audit project, ACT, Australia
- Waste water project, Waitakere City Council, New Zealand
- Effluent sub-surface system, Fonterra's Clandeboye milk treatment plant, New Zealand
- Project management, Kharghar, India
- International golf course design, build & project management, Kauri Cliffs & Cape Kidnappers, New Zealand
- Control system programming & maintenance, Moorea Green Pearl Golf Resort, Tahiti
- Computer control system programming, Oxford Golf & Country Club, Pune, India
- Motorola IRRInet support and programming, Craggy Range Vineyard, Hawke's Bay, New Zealand
- Irrigation and control system design, Huka Lodge, Taupo, New Zealand
- IRRInet wastewater control system, Marisco Vineyard, Blenheim, New Zealand

Give the **irrigation experts**
a call on **0800 807 555** or visit

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Irrigation Design & Specification

An irrigation system is a significant investment. It is a major tool in protecting a valuable asset - sports turf, golf course, crops or landscape planting. An irrigation system typically has a design life of 20 years, so it makes sense to get the foundations right for a system that is:

- EFFICIENT in its use of water and energy resources, saving thousands of dollars over the life of the system in reduced chemical, fertiliser, power & water costs
- PRACTICAL to use on a day-to-day basis
- EASY to install and maintain
- CAPABLE of supplying water evenly to all plants
- VALUE for money over the life of the system
- FUTURE-PROOFED as irrigation technology moves fast

No two sites are the same so it is important to have irrigation designed for a specific application. A good design will take into consideration agronomic, water and environmental factors, along with hydraulic engineering and irrigation technology. Irrigation systems of all sizes are Parkland's speciality. We offer outstanding, cost effective irrigation design services for:

- Landscape parks & gardens
- Sports fields & golf courses
- Horticulture / Agriculture
- Commercial & residential properties

Our team of proven design engineers develop irrigation systems using:

- Fresh, gray or waste water
- Sub surface or above ground distribution

Parkland's innovative and exacting standards, attention to detail, focus on cost reduction, experience and a good understanding of agronomy are the keys to great irrigation design.

How great design can save you money:

- By using the latest irrigation techniques and products
- By matching your requirements and budget
- By specifying components which lower installation costs
- By reducing the water applied to provide optimum plant growth

Control System Design, Programming & Maintenance



Irrigation control system technology has come a long way since the simple, mechanical wheel timers of the 1950s. Today's computer-based central control systems, when correctly specified, installed and maintained, can elevate system performance and:

- Conserve water resources
- Reduce costs (labour, water, power, seed, chemical & fertiliser)
- Monitor performance & send alerts in real-time
- Allow remote user monitoring & control
- Automate ancillary tasks such as pump operation, fertigation & filter back-flushing
- Accumulate data & provide management information



The best systems integrate the use of sensors (weather stations, flow meters, tank level probes & soil moisture sensors). These sophisticated tools can control water flows over just one reserve or across entire cities.



No matter what the application, Parkland has in-depth experience in configuring and maintaining control systems to ensure efficient water use, waste water disposal and reduced costs. No project is too difficult.

Irrigation Project Management

With over 20 years' experience in all aspects of irrigation, the Project Management team at Parkland takes pride in its professionalism – and results.

Parkland commits to:

- Start & finish on time
- Provide a detailed, fully costed programme
- Ensure minimal disruption to existing operations
- Give regular feedback & communication
- Manage the unexpected
- Handle all possible environmental conditions

Customers know they can rely on Parkland. The Company's policy is to deliver exactly what's promised, on time, at the quoted price.

Irrigation Auditing

A quality irrigation system is the key to effective water resource management, cost reduction and the health of turf, plants or crops. Once installed, however, it can be difficult to know if it is working as it should.

Parkland's audit services can provide reassurance or help you get the best out of your existing system. As demands on all organisations increase, water users are increasingly requesting audits to:

- Determine if a system is efficient & effective
- Monitor water use
- Find ways to reduce power, chemical, labour & water costs
- Help optimise plant health
- Provide benchmarks for future system performance
- Prove to the water provider that the resource is being used efficiently
- Identify specific and on-going maintenance required to optimise the system

Parkland's irrigation technicians use the latest technology for precision analysis. These include:

- Soil moisture with profile mapping & GPS
- Soil compaction with profile mapping & GPS
- pH with profile mapping & GPS
- Irrigation infiltration testing
- Efficiency - distribution uniformity / schedule co-efficient testing
- Irrigation scheduling
- Water quality testing

Parkland's irrigation audits are practical. The focus is on recommending cost effective improvements to conserve water, improve coverage and to prevent problems from arising.



Water Meters & Back Flow Preventors

Parkland's team of irrigation specialists are authorised by ECAN to install water meters. And IQP certification enables Parkland to test backflow preventors.



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