



# Best Practical Option for Environmental Success



BEST PRACTICAL OPTION FOR ENVIRONMENTAL SUCCESS



# BPO IS THE BEST PRACTICAL OPTION IN ENVIRONMENTAL TECHNOLOGY AND WASTE WATER MANAGEMENT.

**BPO has a solutions based approach that is innovative and practical, providing exceptional outcomes and peace of mind for the client.**

We understand that every client has different requirements and we provide a customised approach to each project. Working closely with clients and understanding their needs is paramount to success. The team at BPO has a vast amount of experience in design, delivery and operations in waste water treatment and waste to energy solutions throughout New Zealand, Australia and Asia. From concept to completion, BPO partners with clients to provide exceptional solutions.

Our commitment to our clients, our integrity and the quality of our products is what sets us apart.

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**From the very beginning, my focus for BPO was always about delivering practical water and waste water monitoring and generating quality and usable data.**

Having spent many years maximising raw material utilisation in Dairy Factories, it was inevitable that cleaner production practice would become a very important part of our expertise. This experience has been invaluable as we provide comprehensive models for growing Milk Processing developments.

With the recent acquisition of ADI Systems Asia Pacific, we have created a synergy between wastewater and renewable energy. The combining of detailed understanding of what is happening on the factory floor with quality data collection and professional waste water design and operation capability gives BPO Ltd a unique holistic product offering to present to customers.

**Geoff Young**  
Managing Director



# PRACTICAL SOLUTION BASED APPROACH

## FROM HUMBLE BEGINNINGS

BPO was first founded in 1999 and it was formerly Trident Monitoring Services Ltd. Geoff, Greg and Kate identified a need for reliable, quality environmental engineering services and products in the Waikato.

Growing up on a dairy farm in the Waikato and spending over a decade working for Fonterra, Geoff's practical knowledge and strategic approach to waste management and commitment to environmental engineering was evident from the beginning.

A lot has changed in water and waste management over the past 20 years, manufacturing, regulatory requirements and resource availability have had an impact on many industries.

The team at BPO are always innovating and leading the way with new products and solutions for this ever-changing demand.

"Our commitment to our customer, our integrity and the quality of our products has never changed. It sets us apart and ensures our customers have peace of mind."

## OUR VISION

**Responsible**

**Environmental**

**Stewardship**

*Kaitiaki*

## OUR MISSION

**Innovation and  
Environmental Success**

## OUR VALUES

### People

We put people first.

We treat everyone with honesty and respect.

### Products

Quality and reliability is paramount. All our products are carefully chosen to ensure they perform to the highest standard.

### Partners

Our partners are the key to our success. We work alongside people who share the same visions and values as BPO.



# CREATING EFFECTIVE SOLUTIONS FOR CLEANER ENVIRONMENTS

## A MULTIDISCIPLINARY APPROACH

The BPO team has the expertise, knowledge and practical understanding to help create cost effective solutions for your environment.

Our consultants can prepare impact assessment reports for your proposal, provide advice on how to avoid, remedy or mitigate potential effects, prepare application documents and carry out technical data collection

We create strong relationships with our staff and customers, working together to design reliable solutions, with an understanding that their success is our success.

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## WHAT WE DO

### MEASUREMENT

- Trade waste
- Waste water treatment
- Flow Management
- Cleaner production
- Data logging
- Fresh water ecology
- Pond Leak testing

### PRODUCTION SUPPORT

- Factory Modelling
- Loss monitoring installations
- In Process Yields
- Water usage surveys


### WASTE WATER ENGINEERING

- Design & Build
- Physical Chemical processes
- Biological processes
- Biological nutrient removal
- Membrane processes
- Waste to energy - Value recovery from Organic Waste

### OPERATIONS & MAINTENANCE

- Operations of waste water assets
- Calibration and maintenance of instrumentation

### EQUIPMENT

- Rentals
  - Sales
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# OUR PEOPLE

BPO provides services in measurement, process support, wastewater engineering, operations and management and rental equipment.

Our team of Process Engineers and environmental specialists have over 30 years experience both in New Zealand and overseas in design/build

solutions, system commissioning, operator training and aftercare services.

BPO have offices based in Hamilton and Dunedin and services customers both nationally and internationally.

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## KEEPING PEOPLE SAFE

### SAFETY MANAGEMENT IS FIRST PRIORITY

The key to BPO's safety management programme is effective safety leadership and caring about the people who work for us.

Everyone at BPO is responsible, accountable and engaged in supporting our goal of "getting you home safely".

**We are committed to:**

- Visible Leadership
  - Honest Communication
  - Relevant Upskilling and Training
  - Continual Risk Management
  - Monitoring Outcomes
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# OUR PROJECTS

## 2010

Central South Island NZ Dairy Industry | Compliance water audit, options study for re-use recycle.

Central South Island NZ Dairy Industry | Compliance water audit, options study for re-use recycle.

## 2011

Central South Island NZ Dairy Industry | In process review of water use and raw material loss (cleaner production audit).

Lower South Island NZ Tetrapak | In process audit of process unit to identify opportunities to optimise process.

## 2012

Lower South Island NZ Dairy Industry | In process review of water use and raw material loss (cleaner production audit).

## 2013

Upper North Island NZ Tetrapak | Waste water model for proposed UHT milk processing plant (pre-construction).

Central South Island NZ Dairy Industry | In process review of water use and raw material loss (cleaner production audit).

## 2014

Lower South Island NZ Dairy Industry | In process review of water use and raw material loss (cleaner production audit).

Central South Island NZ Dairy Industry | In process review of water use and raw material loss (cleaner production audit).

## 2015

Lower South Island NZ Dairy Industry | In process review of water and waste water production for project acceptance testing against contract guarantee.

Central South Island NZ Dairy Industry | Compliance water audit, options study for re-use recycle.

Central South Island NZ Dairy Industry | Water reticulation, storage re-use recycle strategy for multi product site.

## 2016

Lower South Island NZ Dairy Industry | In process review of water and waste water production for project acceptance testing against contract guarantees.

Lower South Island NZ Dairy Tetrapak | Wastewater model for proposed milk processing plant (pre-construction).

Lower North Island NZ Dairy | In process review of water use and raw material loss (cleaner production audit).

## 2017

Central North Island NZ Dairy | In process review of water and waste water production for project acceptance testing against contract guarantees.

Central South Island NZ Dairy | Development of benchmark for water use and raw material loss for 2 process units on site.





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