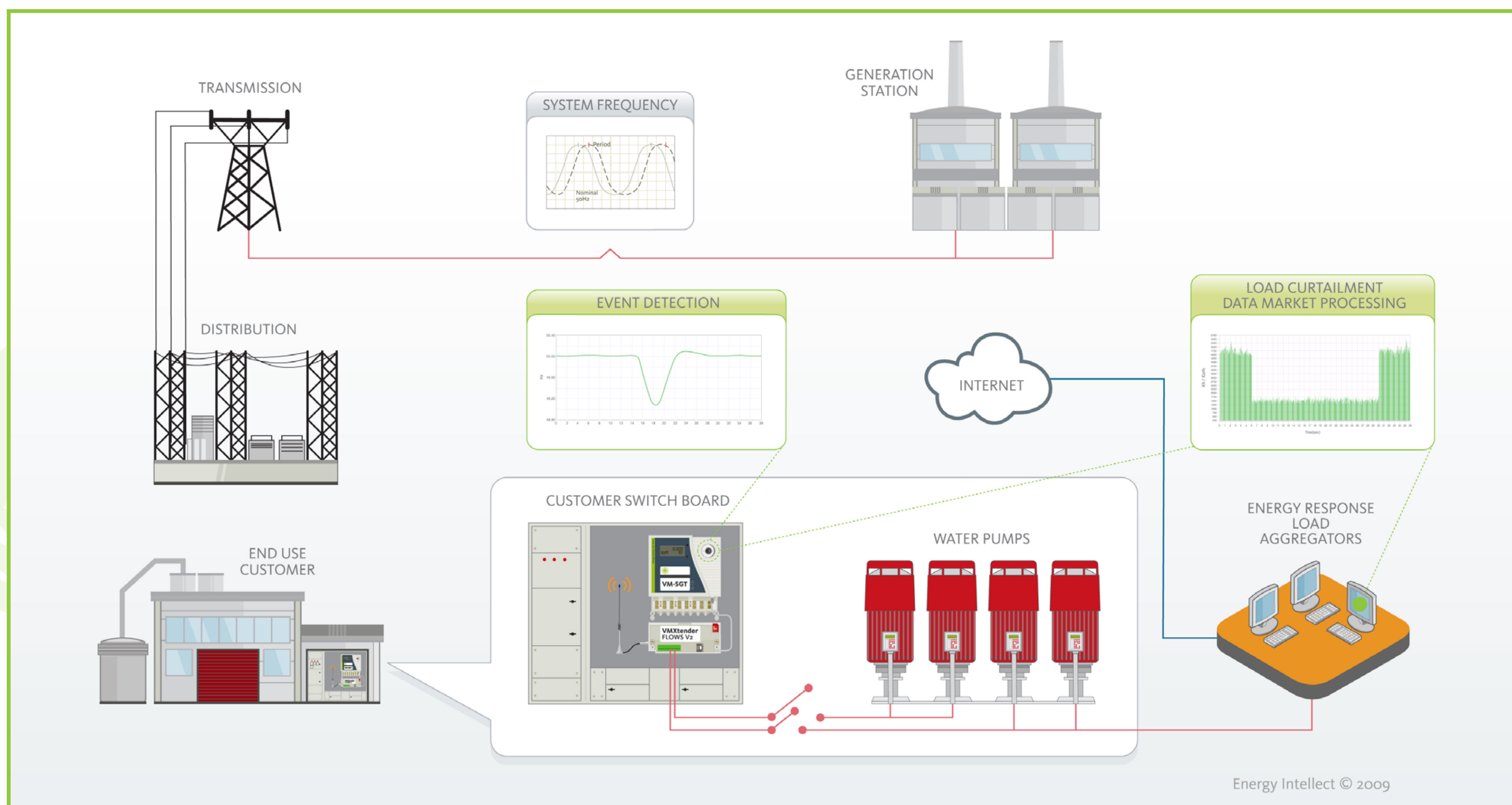


# What we're doing

## WASTE WATER TREATMENT PLANT

# RDC HELPS THE GRID

Working with Energy Response to bring together Interruptible Electricity Load



Energy Response is working closely with the New Zealand water industry to deliver sustainable infrastructure in New Zealand.

Energy Response aggregates electricity loads that can be quickly shutdown for up to half-hour periods and offers this Interruptible Load (IL) into the clearing market for instantaneous reserves of electricity.

Rotorua District Council's Waste Water Treatment Plant is one of a number of test sites for Energy Response's new technology. Their pumps used to pump treated water to the Whakarewarewa Forest can be shutdown instantly to maintain the security of supply on the grid.

Rotorua District Council receives payment for participating in the reserves market, while the electricity industry will improve its reliability. Unplanned electricity failure should consequently decline which will provide more security in the provision of water supply and wastewater treatment services.

"We are very pleased with the progress we have made with the Rotorua District Council. Aggregating and shedding interruptible load is a sustainable service in which the water industry will play a major role."

**Stephen Drew**  
General Manager, Energy Response

"We have successfully proved the concept of participating in the IL market with our water treatment pumps and now wish to extend aggregation to our larger water supply pumps. It is pleasing that we can make a contribution to keeping the lights on."

**Andy Bainbridge**  
Utilities Plant Manager, Rotorua District Council



Diagram courtesy of Energy Response and Energy Intellect.