



# OneBox<sup>®</sup> delivers cleaner beaches to coastal communities

**Australia is renowned for its beautiful beaches, and Iota and South East Water are working to make them even cleaner.**

The Peninsula ECO project in Melbourne's south east is removing 16,500 septic systems, many of which are failing, between popular seaside havens Rye and Portsea. They're being replaced with a low-pressure sewer system controlled by the Iota OneBox<sup>®</sup>.

This is the largest smart pressure sewer installation project in Australian history. Already ahead of schedule, the project will remove 7.2 million litres of wastewater from the Mornington Peninsula, resulting in cleaner groundwater, beaches and bays for everyone to enjoy.

Pollutants like E.coli and nitrogen are common in environments where sewerage systems are

failing. The introduction of OneBox<sup>®</sup> controlled low pressure sewer units has reduced E.coli levels in nearby Flinders by 90 per cent.

## Cost-effective, customer-friendly

OneBox<sup>®</sup> is ideally suited to locations where no mains sewer exists.

Added to a wastewater pod, the OneBox<sup>®</sup> controls the pump and reports volume, discharge, and other data to operators in real time. This allows South East Water to control flows through computer and mobile apps, and reduce peak flows in the system.

The ability to control the wastewater flows minimises the need for large-diameter sewer

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pipes, and extra capacity at the treatment plant making the system cheaper and less disruptive to install.

OneBox® also alerts the water authority to breakdowns or faults before the customer realises there's a problem, reducing the need for emergency callouts.

## Reducing spill risks, one home at a time

Each home in the rollout is receiving:

- an inground tank and electric pump unit
- a OneBox® control unit that powers the pump and allows the water authority to track and control the system
- a boundary kit that includes a non-return valve to prevent backflows, and
- a property service line that connects the tank to the boundary kit and discharges sewage off the property.

One of the great advantages of near real-time sewer monitoring and control is the ability to manage flows. That reduces pressure on infrastructure, and reduces spill risk.

OneBox® allows for more cost-effective maintenance as the operations and maintenance teams can diagnose the issue before sending out a crew.

## Who's behind OneBox®?

Iota is your smart water and wastewater partner.

We're owned by South East Water, an Australian water utility. We develop and commercialise innovations proven within the South East Water network, so the social and economic benefits can be shared with industry.



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