

TrashTracer



Redesigned Floating Litter Tracking Device

Problem

Noria's previous tracker used to monitor floating plastic transportation encounters various performance related issues such as a **low reliability of transmitting signals, water ingress, difficulty to recover and limited battery life**. Trackers are also sporadically **removed from the water**, disrupting research. Furthermore, their previous design, constructed of PVC tubes, **lacked a professional aesthetic**.

Solution

The TrashTracer is a redesigned version of the original tracker. Performance is addressed with **smarter placement of electronics, added technology for recovery, a reliable waterproof design and flexibility in battery configuration**. The design **communicates its purpose more clearly to prevent removals** and has a more **sophisticated, professional design**.