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Innovasea introduces waterborne feeding solution for sustainable aquaculture

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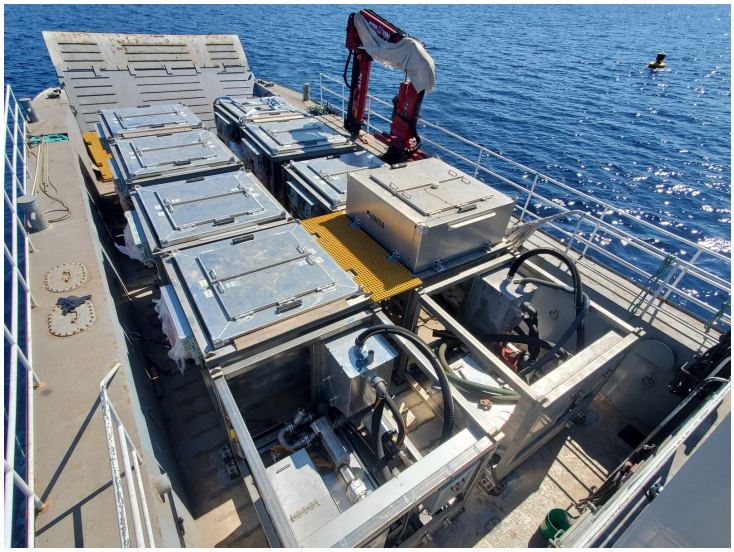

Innovative FlowFeeder technology improves feed conversion and lowers carbon footprint by implementing consistent feeding regimens at by lowering costs

Innovasea, a global leader in technologically advanced aquatic solutions for aquaculture and fish tracking, has introducedÂ FlowFeeder, a waterborne feeding solution that gently delivers feed to fish below the surface, minimizing pellet damage and loss thatâ??s common with air-blown feeding systems.

FlowFeeder is an end-to-end feeding solution that can deliver feed to multiple pens from a single, centralized point. It mixes feed pellets with water on the feed vessel and then gently carries the mixture into the pens.

â??FlowFeeder provides a better way to feed fish because it gets more pellets directly into the pen underwater,â? said Langley Gace, senior vice president of Innovasea. â??Rather than blowing feed pellets onto the surface above the fish pen where they can drift away, FlowFeeder delivers the feed at the depths where fish prefer to congregate. That means less waste and better feed conversion ratios â?? one of the keys to profitability at any fish farm.â?

The waterborne delivery system requires less power than air-blown systems and can reduce energy costs by up to 50 percent â?? with farms that use diesel generators to power their feeding operations shrinking their carbon footprint as a result. Waterborne delivery also reduces damage to feed pellets, which are often fractured when blown through pipes by an air compressor.

â??Air-blown systems are messy and leave behind a lot of dust and oily feed residue in the pipes,â? said Gace. â??That requires regular cleanings that drive up operational and maintenance costs and increase downtime on the feed vessel.â?

FlowFeeder features a proprietary feed dispenser that can be placed at the ideal feeding depth for the species â?? and it does a better job distributing the pellets throughout the pen for all fish.

Because the feed pellets are delivered at depth, FlowFeeder enables farm operators to feed even when there are heavy waves, strong currents or surface threats such as harmful algal blooms or sea lice. Not only does that keep fish stocks safe, it also significantly reduces the number of lost feed days to help keep growth targets on track.

FlowFeeder can be used with Innovaseaâ??s submersible fish pens as well as traditional surface pens from other manufacturers. It can also be paired with BiomassPro and Innovaseaâ??s feed optimization technology to further improve feeding processes and maximize growth rates.