We don't tear out. We tee in.

Clean the source. Keep your system.

Upstream pretreatment through physics — no added chemicals, no added power, no moving parts. Flotration's patent-pending CAST™ modules tee into your influent, improve water quality ahead of your existing train, and prove it on your stream before you scale.

Independent bench (ECT2 / Onterris): CAST + IX delivered ~8× longer PFOS run life before the 4 ng/L threshold.*

Tee in — don't tear out

Connects to your influent. Bypass anytime. Your plant stays; CAST is pretreatment only.

No power. No moving parts.

Uses existing line pressure. CAST adds no power. Aluminum media — lift out and pressure-wash if needed.

Small footprint, modular

Each module ~20–200 GPM. Parallel for higher flow. Ships on standard 48×40 in pallets — not a rebuild.

Paid pilot → shared savings

Prove it on your water first. Then water-as-a-service: we share 50% of the savings we create.

How CAST works on your water

01
Flow enters
Tee into influent; uses your pressure.

02
Cavitation + capillary
Flow-driven effects raise pH & ORP; no chemicals.

03
Reactive load converts
Precipitable dissolved fraction becomes removable solids.

04
Cleaner to your train
TSS, oils, organics separated; downstream media lasts longer.

Sectors: Municipal · Industrial · Oil & gas / produced water · Rural systems · Remediation

Independent advisor: Deloitte (data evaluation & verification — not an investor) · AFWERX SBIR

Ready to prove it on your water?

Start intake → 60-minute scoping call → one-page ROI → paid pilot.

www.flotration.com/intake

Or email us — we respond to operators, engineers, and decision-makers.

*RSSCT bench results on CAST + ion exchange train; not a claim that CAST alone removes PFAS. Full-scale performance is site-specific and confirmed in paid pilot.

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