

UpBuoy Launches Multi-Tenant Pool-Service Platform With Native Field Apps and Route Optimization

The system pairs a three-algorithm route optimizer with iOS and Android field applications, photo-verified service stops, and Stripe billing. Built by Internal Automation.

KAILUA-KONA, HI · AUGUST 19, 2026 · UpBuoy has launched a multi-tenant operations platform for pool-service companies, built by Internal Automation, covering routing, field work, customer communication, and billing in a single system.

The route optimizer applies three algorithms, nearest neighbor, a genetic algorithm, and 2-opt over a real distance matrix, to sequence each day's service stops. Field technicians work from native applications on iOS and Android, available in English and Spanish, which deliver the route, per-stop checklists, chemical readings, and photo capture.

Every service visit is closed with photographic verification. Uploaded images are compressed to 1920 pixels as tuned JPEG, and a nightly process maintains consistency across two storage tiers.

Billing runs on Stripe, including Stripe Connect for multi-party payouts, with public no-login views that allow customers to pay without creating an account. Customer email is sent through Resend and SMS through Twilio, with both logged against the customer record. The platform also includes a Langelier Saturation Index calculator and dosing calculations across a catalog of 14 chemicals.

UpBuoy owns the platform, the field applications, and the billing integration.

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ABOUT INTERNAL AUTOMATION

Internal Automation designs, builds, and maintains custom AI workflows, agents, chatbots, reporting systems, and integrations for enterprises. Engagements are fixed price and fixed timeline, agreed before the build begins, and every system is owned by the client with no vendor lock-in.

MEDIA CONTACT

Press inquiries go through internalautomation.com/contact. We reply within one business day.