

Upstream Live – *Nigeria's Live Petroleum Monitoring Platform*

In Nigeria's upstream sector, most of the data NUPRC receives today comes after the fact sometimes days or weeks later. By the time reports arrive, an equipment failure, production drop, or pipeline issue may have already cost millions in losses or caused environmental risks.

Upstream Live changes that. It's a Python-powered platform that streams live data from wells, pipelines, and production facilities straight to NUPRC in one secure dashboard/ website (An NUPRC powered website). At any moment, we can see exactly what's happening production volumes, drilling activity, pipeline pressures and receive instant alerts when something looks abnormal.

This means we can respond immediately, reduce downtime, prevent accidents, and protect the environment before problems escalate. Beyond monitoring, **Upstream Live** automatically cross-checks real-time production data against royalty and rent payments, flagging discrepancies instantly to protect government revenue.

This project aligns perfectly with NUPRC's vision of being Africa's leading regulator in the 21st Century. Countries like Norway and Canada have similar systems, **Upstream Live** will put Nigeria on that same playing field as those countries, positioning NUPRC as Africa's leader in digital petroleum governance. With Upstream Live, we're not just tracking the industry we're regulating it smarter, faster, and in real time.