

Zipline & Rwanda's National Drone-Delivery Regulatory Sandbox

City Innovation Library · Good practice · Rwanda

Quality score: 81/100

Evidence strength: Observational / pre–post

Summary

Rwanda built one of the world's first national beyond-visual-line-of-sight drone regulatory frameworks so Zipline's autonomous aircraft could deliver blood and medical products to rural hospitals, cutting delivery time by 79 minutes and blood-unit wastage by 67% in the first year

Key dimensions

Dimension	Score
Evidence of impact / measured results	3/3
Transferability / demonstrated replication	2/3
Scalability	2/3
Sustainability / continuity	2/3
Innovation	3/3
Inclusiveness / equity	2/3
Multi-stakeholder collaboration	3/3

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-08-07

[Government of Rwanda \(Ministry of Health / Rwanda Civil Aviation Authority\) & Zipline International](#) — accessed 2026-08-07

[The Lancet Global Health \(2022 study, corroborated via Healthcare Technology News\)](#) — accessed 2026-08-07

[Wharton/UPenn coverage of the 2025 MSOM study](#) — accessed 2026-08-07

[Zipline & Government of Rwanda partnership announcement](#) — accessed 2026-08-07

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