afriloop.ai

WHAT WE BUILD AND HOW · EDITION: NOVEMBER 2026

What we build, and how.

Plain-English guide for managers. We make sure nothing gets lost in the WhatsApp groups and inboxes your teams already use, across mining and drilling, transport, farming, dairy and drone surveys in Zimbabwe.

Mark Cochrane · WhatsApp +263 77 985 4294 · mark@afriloop.ai · afriloop.ai

All examples in this document use synthetic sample data. No client is named and no client figures are shown.

HOW IT WORKS

Your team keeps WhatsApp. We do the follow-up.

Field crews keep WhatsApp, email and voice notes. Digital assistants, each focused on one job, read those messages, turn them into structured records, chase what is overdue and draft what needs sending. A person on your side approves every outgoing message.

AI MODELS	Grok, an AI model from the company xAI. It reads messages, takes simple actions, checks photos and writes down voice notes.
MESSAGING	WhatsApp groups and DMs your teams already use; email forwarding for stores inboxes.
HOSTING	Netlify, a cloud hosting service. It runs off-site, so it keeps working through power cuts at your premises.
DATA	Supabase, a cloud database. Each client has a private, separate database; each person sees only what their role allows.
INTEGRATIONS	Your GPS provider, spreadsheets and trackers. IT teams can also connect their own AI tools through our plugin at mcp.afriloop.ai.

EXAMPLE · A DRILLING CONTRACTOR IN ZIMBABWE · SAMPLE DATA

A site clerk emails: “Need 4 × hydraulic hose 1/2in and 2 × 20L hydraulic oil for Rig B.” STORES matches both items to the stock list, notices the same hose was requested yesterday in a WhatsApp group, merges the two, and drafts one order for the stores manager to approve. Overnight, “Rig A night shift 64 m, bit changed at 40 m” becomes a row on the metres board, and “Compressor on Rig C won’t start” opens an incident with an owner and a 4-hour clock.

Illustrative synthetic example: rigs, items and figures are invented.

FEATURES

Twelve things we build.

New this edition: live fleet map, Harare route planner with Google Maps, drone and crop photo lab, and voice notes in English, Shona and Ndebele.

---

01 · THE CORE OF EVERY PROJECT

WhatsApp assistants

Reads the WhatsApp groups your teams already use. Every request, breakdown, photo and voice note becomes a task with a named owner and a deadline.

WHY IT MATTERS	Today, things get buried in busy groups and nobody can read them all. Now nothing is forgotten, and you see everything in one daily summary.
HOW IT WORKS	1. Our WhatsApp number joins the groups you choose. 2. Each message is sorted and saved in your own private records. 3. If nobody answers in time, a polite reminder is prepared. 4. A person on your side approves every message before it goes out.
WHAT YOU GIVE US	Permission to add our number, the list of groups, and who to tell when things go wrong.
WHAT YOU GET	Every message recorded, a daily summary, reminders and a list of open tasks.
HOW LONG	Live in 2–4 weeks
COST TO TRY	A 30-day pilot on one site. Quote on scoping, in writing, in US dollars.
EXAMPLE	A drilling contractor in Zimbabwe (sample): “Compressor on Rig C won’t start” becomes a job for the workshop, due in 4 hours. (made-up)

02 · TALK INSTEAD OF TYPE

Voice notes

Field staff can send a spoken WhatsApp message in English, Shona or Ndebele. It is written out in English and filed like any other report.

WHY IT MATTERS	Many drivers and crews prefer to talk. Spoken reports are no longer lost or ignored.
HOW IT WORKS	1. A driver records a voice note in the usual group. 2. It is written out and translated into English. 3. The key facts (truck, place, problem) are pulled out. 4. The task is saved and the right person is told.
WHAT YOU GIVE US	Nothing extra. It works in the groups already connected.
WHAT YOU GET	Written versions of every voice note, filed against the right truck, site or job.
HOW LONG	Included from day one
COST TO TRY	A 30-day pilot on one site. Quote on scoping, in writing, in US dollars.
EXAMPLE	Sample: a 0:18 voice note in Shona, “truck won’t restart near Shurugwi”, opens a breakdown job with the truck number. (made-up)

03 · STORES ASSISTANT

Stores requests to orders

Turns stores requests from email or WhatsApp into clean draft orders. It matches each item to your stock list, spots repeat requests and checks stock.

WHY IT MATTERS	Fewer duplicate orders, fewer missed requests, and a clear record of who asked for what.
HOW IT WORKS	1. Stores emails are forwarded to us, or sent in a WhatsApp group. 2. Each item is matched to your stock list. 3. Repeats are combined and stock is checked. 4. A draft order goes to your stores manager to approve and send.
WHAT YOU GIVE US	Your stock list, supplier list, who approves what, and the inbox to forward.
WHAT YOU GET	A list of all requests, repeat warnings, draft orders and a weekly stores summary.
HOW LONG	3–5 weeks
COST TO TRY	A 30-day pilot on one site. Quote on scoping, in writing, in US dollars.
EXAMPLE	Sample: “4 × hydraulic hose for Rig B” was also asked for yesterday. The two are merged into one order. (made-up)

04 · FLEET ASSISTANT

Live fleet map

Shows every truck on a map of Zimbabwe, next to the drivers' WhatsApp group. When a truck stops too long or runs late, it asks the driver why.

WHY IT MATTERS	You know where every truck is and why it is late, without phoning anyone. Customers get honest arrival times.
HOW IT WORKS	1. Truck positions come from your GPS tracking company every few minutes. 2. Simple rules spot long stops, wrong routes and late trucks. 3. The driver is asked on WhatsApp, and can reply by typing or talking. 4. The answer and the new arrival time are recorded.
WHAT YOU GIVE US	Access to your GPS tracking company, the list of trucks and usual routes.
WHAT YOU GET	A live map, a list of problems, a record of each trip and a daily fleet summary.
HOW LONG	3–6 weeks (depends on your GPS company)
COST TO TRY	A 30-day pilot on one site. Quote on scoping, in writing, in US dollars.
EXAMPLE	Sample: a truck waits 35 minutes at Kwekwe. The driver says "weighbridge queue", and the arrival time moves to 12:55. (made-up)

05 · WITH GOOGLE MAPS

Harare route planner

Puts a day’s deliveries around Harare in the shortest order, then opens the route in Google Maps for the driver.

WHY IT MATTERS	Less driving, less fuel and more drops per day. Drivers use the Google Maps app they already know.
HOW IT WORKS	1. List the day’s drops, or send them on WhatsApp. 2. The planner works out the shortest order from your depot. 3. The driver gets one Google Maps link with every stop. 4. Finished drops are ticked off in the group.
WHAT YOU GIVE US	Depot address, a typical day’s delivery list, and vehicle sizes.
WHAT YOU GET	A daily route plan per vehicle, a Google Maps link, and a record of completed drops.
HOW LONG	2–3 weeks
COST TO TRY	A 30-day pilot on one site. Quote on scoping, in writing, in US dollars.
EXAMPLE	Sample: nine drops from a Msasa depot, put in the best order in one tap. Try it on the fleet page. (made-up)

06 · FLEET AND WORKSHOP

Breakdown tracking

A breakdown message becomes a job with an owner and a deadline. Reminders go out on time, a manager is told if it slips, and the job closes when the fitter reports back.

WHY IT MATTERS	Machines and trucks are back at work sooner, and you can see which ones keep failing.
HOW IT WORKS	1. A driver or operator reports the problem, by text, photo or voice. 2. A job is opened with an owner and a deadline. 3. Reminders go out if there is no update. 4. The job closes when the fix is confirmed.
WHAT YOU GIVE US	Equipment list, workshop contacts, and how fast each kind of fault must be fixed.
WHAT YOU GET	A breakdowns page, reminders, hours lost per machine and a monthly report.
HOW LONG	2–3 weeks
COST TO TRY	A 30-day pilot on one site. Quote on scoping, in writing, in US dollars.
EXAMPLE	Sample: a fuel pump fault at 07:48 has a fitter on the way from Gweru by 07:55, and the load moved to another truck. (made-up)

07 · OUTPUT ASSISTANT

Drilling and production records

Turns shift reports into a daily output report: metres per rig per shift and lost time. Or tonnes, litres and hectares in other industries.

WHY IT MATTERS	No more retyping shift reports into spreadsheets. Numbers that look wrong are questioned the same day.
HOW IT WORKS	1. Supervisors send their usual shift report, typed or spoken. 2. The numbers are picked out and saved. 3. Odd or missing numbers are queried. 4. A daily and weekly report is ready for you.
WHAT YOU GIVE US	Rig or machine list, shift pattern, your current tracking sheet and targets.
WHAT YOU GET	Output records, a page per rig and shift, lost-time totals and a weekly spreadsheet.
HOW LONG	2–4 weeks
COST TO TRY	A 30-day pilot on one site. Quote on scoping, in writing, in US dollars.
EXAMPLE	Sample: “Rig A night shift 64 m, bit changed at 40 m” becomes a row in the metres report. (made-up)

08 · PHOTO GALLERY AND LAB

Drone and crop photo checks

Looks at drone and field photos of stockpiles, pits, dams and crops, and writes a short note on what it sees and what has changed.

WHY IT MATTERS	Problems like pests, low dams or a growing stockpile are spotted early, and every flight is filed by site and date.
HOW IT WORKS	1. Send photos on WhatsApp or upload them. 2. Each photo is checked and described in plain words. 3. Notes are saved by site and date so changes can be compared. 4. Anything worrying is flagged to the right person.
WHAT YOU GIVE US	Drone or phone photos (or flights through your drone operator), site boundaries and what to watch for.
WHAT YOU GET	A short note per flight, a history per site and flagged problems. Honest limit: one photo gives a rough size only; exact volumes need a proper survey.
HOW LONG	2–4 weeks
COST TO TRY	A 30-day pilot on one site. Quote on scoping, in writing, in US dollars.
EXAMPLE	Sample: a tobacco field photo shows yellowing lower leaves. The note suggests checking for nitrogen shortage. Try the sample photos in the lab. (made-up)

09 · FARM AND MILK ASSISTANTS

Farming and milk supply

Season reminders for tobacco and maize, crop photo checks, and milk supply: litres per farm, chillers at 4 °C or colder, and tanker routes.

WHY IT MATTERS	Fewer missed jobs in the season, less spoiled milk, and quick warnings when something goes wrong.
HOW IT WORKS	1. Farm staff report in WhatsApp, with photos where useful. 2. Litres and chiller temperatures come from messages or sensors. 3. Simple rules raise alerts, for example a warm chiller. 4. You get a daily farm or milk summary.
WHAT YOU GIVE US	Farm or collection-centre list, season calendar and chiller and tanker details.
WHAT YOU GET	A season page, crop notes, litres records and chiller alerts.
HOW LONG	3–6 weeks
COST TO TRY	A 30-day pilot on one site. Quote on scoping, in writing, in US dollars.
EXAMPLE	Sample: a chiller reads 7 °C during a power cut. The centre manager is told at once and the generator is checked. (made-up)

10 · SAFETY ASSISTANT

Safety

Records incidents and near-misses, checks safety gear in photos, and drafts short safety talks and weekly safety summaries.

WHY IT MATTERS	A complete safety record without extra paperwork, ready for audits.
HOW IT WORKS	1. Staff report incidents or send site photos. 2. Photos are checked against your safety gear rules. 3. Each incident is saved with how serious it is and what was done. 4. Your safety officer approves the drafts.
WHAT YOU GIVE US	Your safety gear rules, incident types and safety contacts.
WHAT YOU GET	An incident and near-miss record, photo checks, safety talk drafts and a weekly report.
HOW LONG	2–4 weeks
COST TO TRY	A 30-day pilot on one site. Quote on scoping, in writing, in US dollars.
EXAMPLE	Sample: a site photo shows a worker without a hard hat. The safety officer gets a short note to follow up. (made-up)

11 · BUILT FOR ZIMBABWE

Works through power cuts and poor signal

Built for ZESA power cuts and weak 3G. WhatsApp and voice notes go in, light pages come out. It can also track generator hours and diesel.

WHY IT MATTERS	The system keeps working when your site has no power or signal.
HOW IT WORKS	1. Everything runs in the cloud, not on your site. 2. Pages are small and load on 3G. 3. Messages wait and are processed when the signal returns. 4. Generator and diesel reports are tracked like any other report.
WHAT YOU GIVE US	Your sites and generators, and how you track diesel today.
WHAT YOU GET	Pages that load on 3G, plus a generator and diesel record if you want it.
HOW LONG	Included; generator tracking 1–2 weeks
COST TO TRY	A 30-day pilot on one site. Quote on scoping, in writing, in US dollars.
EXAMPLE	Sample: a site is offline for three hours. Its reports arrive and are filed as soon as signal returns. (made-up)

12 · ONE CLEAR PICTURE

Private dashboard

One private web page across all your sites: open tasks, orders, output, trucks, breakdowns and safety. Each person sees only what their role allows.

WHY IT MATTERS	Managers see the whole business in one place, without asking for reports.
HOW IT WORKS	1. Your records are kept in a private database just for you. 2. Each person signs in and sees only their part. 3. Totals update through the day. 4. Anything can be downloaded as a spreadsheet.
WHAT YOU GIVE US	The list of users and their roles, and the numbers you care about most.
WHAT YOU GET	A live dashboard, role-based access, downloads and a weekly email summary.
HOW LONG	2–4 weeks (with your first feature)
COST TO TRY	A 30-day pilot on one site. Quote on scoping, in writing, in US dollars.
EXAMPLE	Sample: a general manager opens one page each morning and sees 6 open breakdowns, 2 late trucks and yesterday’s metres. (made-up)

THE DIGITAL ASSISTANTS

Eleven digital assistants.

NAME	JOB	COVERS	WHAT IT CAN DO
GEO	Mine planning	Drilling, blasting and pit work (gold, lithium, chrome).	Answers questions, takes simple actions
SHEQ	Safety	PPE, incidents, near-misses, toolbox talks.	Checks photos
AGRO	Agronomist	Tobacco, maize, fall armyworm, horticulture, irrigation.	Checks photos
SURVEY	Drone survey	Stockpiles, pits, field boundaries, crop stress.	Checks photos
FROST	Cold chain	Milk litres, chillers ≤4 °C, tanker routes.	Takes simple actions
FLEET	Fleet controller	Trips, GPS, tyres, fuel, breakdowns, ETAs.	Takes simple actions
BORDER	Customs & border	Beitbridge, Chirundu, Forbes, Plumtree: documents, queues (no duty quotes).	Answers questions, checklists
GRID	Power	ZESA windows, generators, diesel, solar backup.	Raises alerts
STORES	Stores	Email/WhatsApp requests to orders, stock, approvals.	Takes simple actions
METRES	Drilling output	Metres per rig per shift, bits, downtime.	Daily report
VOICE	Voice intake	Voice notes in English, Shona, Ndebele to structured cards.	Writes down voice notes

DELIVERY METHOD

How an engagement runs.

1. **Short call (day 0):** 30–45 minutes. We learn how your teams report today and pick the biggest headache.
2. **Written proposal (week 1):** what we will build, what we need from you, how long it takes, and a quote in US dollars. Nothing is built until you agree.
3. **Connect (weeks 1–2):** our number joins the agreed groups, your inbox is forwarded, and your lists are loaded into your private records.
4. **Pilot live (weeks 2–4):** tasks are recorded, reminders prepared and approved by your team, with a daily summary and a weekly check-in.
5. **Day-30 review:** we look at what changed, using your own figures, and you decide whether to continue.
6. **Grow or stop:** add features and sites step by step, or have us run it for you each month.

DATA HANDLING & SECURITY

Your data stays yours.

- Private Supabase database per client; row-level security and role-based sign-in.
- Passwords and access keys stay on our servers, never in the browser or in chat.
- Human approval on every outgoing message; nothing auto-sent without rules you sign off.
- Messages are sent to xAI’s AI service to turn them into records. Your data is not used to train our AI models.
- Export of all your data in plain formats (CSV/JSON) on request; deletion on exit.
- Only the groups and inboxes you nominate are read.

ENGAGEMENT MODELS

Matching the pricing page.

MODEL	FOR	INCLUDES	TIMELINE	PRICE
Pilot	One bottleneck, one site	Up to 3 WhatsApp groups, 1 feature, daily summary and alerts, weekly check-in	Live in 2–4 weeks; 30-day pilot	Quote on scoping
Operations	One business	Up to 5 features, 15 groups, email to orders, dashboard, voice notes in English, Shona and Ndebele	90 days, 3 phases	Quote on scoping
Scale	Multi-site	All features, live fleet map and route planner, drilling records, safety, drone photo checks, priority support	60–120 days, phased per site	Quote on scoping
Managed ops	Groups / enterprise	Assistants built for you, links to your other systems, choice of where data is stored, monthly reporting	Ongoing, monthly	Monthly retainer, quoted

Quotes are in USD, issued in writing after scoping. Timelines are typical and depend on access to your groups, lists and vendor feeds.

NEXT STEP

Send us how your teams report today.

WhatsApp +263 77 985 4294 · mark@afriloop.ai · afriloop.ai/contact/

© 2026 AfriLoop.ai · Harare, Zimbabwe · Edition: November 2026. Sample data throughout is synthetic and labelled as such.