

Pay the lithium royalty straight to the people who live on top of it.

Decidimos is the app through which the department of Potosí decides how its share of the Uyuni lithium is spent — every community, per capita, down to the neighbourhood councils of Potosí city and Uyuni. It is live in closed beta with the 53 indigenous communities of the TIOC Nor Lípez, in Spanish, Quechua and Aymara. What it cannot do yet is pay anyone. We are bringing a proposal to OpenGov for US\$190,000 to build the payment rail on Polkadot Hub — a gasless stablecoin wallet, a bulk payout engine, and a cash-out corridor into bolivianos for a department of 861,292 people.



Already on the App Store and Google Play, in test mode.

🍏 App Store · TestFlight

🌐 Google Play · testing track

Heitaria Swiss AG

for ACI Systems Alemania GmbH

with CUPCONL

September 2026

Battery-grade lithium, finished in Bolivia, powered by the Altiplano sun.

A lithium extraction and industrialisation plant at the Salar de Uyuni, in the lithium-rich zone of Nor Lípez. Sponsor: **ACI Systems Alemania GmbH** (ACISA), backed by the German Government through the Euler Hermes / UFK export credit coverage programme. **Heitaria Swiss AG** carries out the assessments, the community process and the Decidimos app for ACISA.

PRODUCT	Lithium carbonate, battery grade, over 99.5%
PRODUCTION	80,000 t a year at steady state, after a 10,000 t a year pilot plant
TOTAL COST	US\$3,465 million
OWNERSHIP	Bolivia 51%, sponsor 49%. The sponsor funds 100% of the equity.
LIFE	45 years modelled, 43 in production. Pilot from year 3, main plant from year 6.
PROCESS	No evaporation ponds. Mechanical evaporation and crystallisation; the plant is a net producer of water.
ENERGY	100% solar with batteries and solar thermal, off-grid. No diesel, no gas.
JOBS	702 permanent, priority hiring for Río Grande and Nor Lípez
WATER	200,000 litres a day of drinking water guaranteed to Río Grande; surplus open to all 53 communities

15% of the private profits stay in Potosí. About US\$104 million a year, US\$4.4 billion over the life of the project.

The 15% social mining initiative ring-fences 15% of the private shareholders' profits for the department of Potosí. It does not pass through the national treasury, and the sponsor does not allocate it: Potosí does, per capita, community by community. On top of it the project commits a fixed community programme and a fixed package for Río Grande, the host community. Decidimos is the tool through which the communities decide and follow all of it.

~US\$104M per year to the department	~US\$4.4bn over the 45-year project life, paid during the 43 years of production	861,292 people in the department, INE census 2024
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The hard part of paying people is knowing who they are. That part is built.

This is running software, not a concept. Communities propose, vote and follow the money in the app today, in Spanish, Quechua or Aymara. The Polkadot work starts on top of a live system, not a blank repository.

- **One person, one cédula, one community.** Identity is verified against SEGIP, Bolivia's civil registry, and matched to the community roll each community ratifies in assembly. Only an irreversible hash is stored — no biometric database is created.
- **Anonymous, verifiable votes.** Blind signatures, one ballot per person, and a 64-character receipt anyone can check on a public page without revealing how they voted.
- **Open accounts.** Every movement of money sits in an append-only ledger with a hash chain and a daily Ed25519 signed digest.
- **Per-capita allocation.** The system already computes each community's share from census population, down to the neighbourhood councils of Potosí city and Uyuni.
- **Community rolls.** Each community's padrón, ratified in assembly, is exactly the list a monthly payment to every resident needs.
- **Three languages.** Spanish, with complete Quechua and Aymara interfaces under community review — not machine translation.



Try it. DOT holders are welcome. Decidimos is published on both stores as a test release, with a demo community open so anyone invited can propose, vote and check a receipt. Apple needs an Apple ID email for TestFlight; Google needs a Google account email for the testing track. Write to info@heitaria.ch and the invitation goes out the same day.

A stablecoin wallet inside the app. Part of the 15% goes straight to every resident of Potosí.

Today the whole initiative is spent on community works. The idea is to split it: one part keeps funding the works the communities vote for in Decidimos, the other part is paid directly, as dollar stablecoins on Polkadot Hub, to every verified resident of the department — the same amount per person, every month, into the wallet in the app they already use to decide and to check the accounts.

The 15% social mining initiative

About US\$104 million a year, once the plant produces.

split decided
by the department

Community works

Proposed, voted and followed in Decidimos — and paid on chain too, to contractors and suppliers against milestones.

Direct stablecoin payment on Polkadot Hub

The same amount to each of the 861,292 residents, every month, into the wallet in their app.

The governance platform is useful now, independent of when the plant produces. This award funds readiness and a funded pilot — nothing in the plan waits on lithium revenue.

OpenGov already does what this app does. The difference is who is voting and what is at stake.

DOT holders decide collectively how a shared treasury is spent, in public, on chain, with the record open to anyone. That is the same exercise 53 indigenous communities in Nor Lipez carry out over mining rent — except the voters are comunarios and the money buys water systems and school roofs. We are not explaining participatory budgeting to this community. We are asking it to fund the version that runs on the Altiplano.

Two engineering decisions worth stating. We build on REVM rather than PolkaVM: Ethereum compatibility on PVM is still described as early-stage, and a system moving other people's money should sit on the stable path, with PVM a later migration rather than a dependency. And the paymaster route that keeps a resident holding zero DOT is validated and published in phase 1 before anything depends on it, because account abstraction on Hub is newer than on long-established EVM chains.

- **The stablecoin work is happening now.** Polkadot is building out dollar-denominated infrastructure on Asset Hub. A recurring, real-world disbursement of dollar stablecoins to several hundred thousand people is demand for exactly that infrastructure, arriving from outside the market rather than from inside it.
- **Solidity runs on Polkadot Hub.** REVM gives full EVM opcode compatibility with Hardhat, Foundry, Remix and MetaMask, so the payout engine and wallet are ordinary contract engineering with a mature auditor pool behind them — not a bespoke runtime nobody else can review.
- **Asset Hub is the right settlement layer.** Low fees and native asset handling make monthly per-capita payments to hundreds of thousands of recipients arithmetically possible rather than theoretically fair.
- **A use case that is not a market.** This volume exists because a mine produced lithium. It does not chase yield, it does not rotate, and it does not leave when sentiment turns.

Six months, four phases, US\$190,000. Each phase ships something that works.

PHASE	DELIVERABLES	RESULT FOR A RESIDENT	AMOUNT
1 months 1–2	Wallet and gasless path. Smart account deployed per verified resident on Polkadot Hub, with a paymaster funded by Heitaria so the resident holds no DOT. Validation of the account-abstraction path on Hub, published openly including whatever does not work. Stablecoin balance visible in the existing app, on testnet. Public repository opened.	Opens the app and has a wallet, having bought nothing.	US\$40,000
2 months 2–4	Recovery and payout engine. Cédula-based account recovery with the community assembly as guardian, adversarially tested. Batched disperse contract driven by the assembly-ratified community rolls, with idempotency so a retry can never double-pay. Threat model and monitoring plan.	Loses the phone, goes to the assembly, gets the wallet back.	US\$50,000
3 months 4–5	Cash-out and public verification. Agreements with Bolivian exchanges and cooperatives for redemption into bolivianos, and merchant acceptance across the department. Public payout verification page. Daily governance digest anchored on chain.	Turns dollars into bolivianos in the nearest town, or spends them directly.	US\$50,000
4 month 6	Mainnet, pilot, audit and open source. Launch in the production app. Pilot disbursement to verified residents of Río Grande. Contracts audited before launch. Replication kit released open source: payout engine, paymaster pattern, recovery pattern.	Receives a real payment, and can prove it landed.	US\$50,000

- **Reporting back to OpenGov is part of the work, not an afterthought.** Each phase closes with a public update on the forum: what shipped, what the contract addresses are, what failed. Treasury money should be answerable to the people who voted for it.
- **Everything is open source** under a permissive licence, so the next extractive project inherits a tested rail instead of rebuilding one.
- **Regulatory work runs alongside, not inside, this budget.** Engagement with the Banco Central de Bolivia and ASFI on per-capita stablecoin disbursement begins in month 1, funded separately.
- **Contracts are audited before mainnet, not after.** The disperse contract and the recovery logic are the only places where someone else's money can go wrong.

TVL and usage. The entire initiative settles on chain — about US\$104 million a year, US\$4.4 billion over the life of the project, and more than ten million transactions a year.

~US\$104M a year in stablecoin settlement — the whole initiative, not a share of it	10.3M+ transactions a year — 861,292 residents paid monthly, plus works disbursements	~US\$4.4bn total settling over the 45-year project life
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Where these figures come from. The initiative commits about US\$104 million a year to the department, and all of it moves through the platform: the per-capita payments to residents, and the community works the assemblies vote for — contractors, suppliers and materials paid against milestones from the same rail, recorded in the same public ledger. That is the point of the system. Splitting the flow would break the audit trail. Ten million transactions a year is 861,292 residents paid once a month; works disbursements add fewer transactions of much larger size. Resting balances are one month of per-capita payments plus works budgets held between milestone disbursements — on the order of US\$15 million at any given time, depending on the schedules the assemblies set.

Every payment is a stablecoin transfer on Polkadot — the monthly payout to a comunario and the instalment to the contractor building their water system alike. Every unspent balance, personal or communal, is stablecoin TVL sitting on Asset Hub. The money is there because a mine produced lithium and a contract obliges the operator to hand a share to the department — so it does not chase yield, it does not rotate to whichever chain is paying incentives this quarter, and it does not evaporate in a drawdown. This is the one kind of on-chain volume that is indifferent to the market.

- **Several hundred thousand active wallets, transacting monthly.** Not airdrop farmers who leave when the campaign ends — people collecting a payment they are contractually owed, every month, for decades.
- **Stablecoin demand created from outside crypto.** Polkadot is building out dollar infrastructure on Asset Hub. This is a use for it at department scale, arriving from the real economy rather than from the order book.
- **A category with no precedent.** No mining project has ever ring-fenced private profits and paid them to the population of the territory, allocated by that population, in the open. Whatever chain carries the first one becomes the default for the projects that copy it — and Potosí has mined for five centuries, with new projects still coming.
- **Adoption Polkadot can point at.** A payment a village on the Altiplano can verify for itself survives contact with a journalist, a regulator or a development bank. Most chain metrics do not.
- **OpenGov's own thesis, proven where it matters.** Collective on-chain allocation of shared money, run by an indigenous federation over mining rent, with secret ballots and an audit trail any resident can check.
- **Ready to start.** The app, the identity layer, the ballot and the per-capita model exist and are deployed. The treasury would fund the rail, not the foundations.

On phasing, so nobody discovers it later: the plant runs a pilot from year 3 and the main plant from year 6, so the figures above are the steady state, not next quarter.

US\$190,000 from the treasury, on the Medium Spender track.

We are bringing a Medium Spender referendum for US\$190,000 — payable in stablecoins on Asset Hub or the DOT equivalent — to build the gasless wallet, the batched payout engine and the cash-out corridor into bolivianos, and to release the whole rail open source. In return Polkadot carries the entire initiative — about US\$104 million a year of stablecoin settlement, US\$4.4 billion over the life of the project, and more than ten million transactions a year from a revenue stream that has nothing to do with the market. One technical question for the community before we post a preimage: is REVM on Polkadot Hub the right target for a payout system of this shape, or would you route it differently?

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SPONSOR	ACI Systems Alemania GmbH (ACISA)
COMMUNITIES	CUPCONL, Central Única Provincial de Comunidades Originarias de Nor Lípez, the 53 communities of the TIOC Nor Lípez
THE APP	potosi-decide-prod.web.app · tester guide and demo community
TEST IT	Write to info@heitaria.ch and the TestFlight or Google Play invitation goes out the same day.