CrypSurance

Decentralized Cover for the On-Chain World

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crypsurance.io

01 · ABSTRACT

The $1 trillion protection gap

Roughly **89% of crypto holders carry no insurance** on their digital assets — a global protection gap exceeding **$1 trillion**. Meanwhile, two billion people in emerging economies remain underinsured in traditional markets because legacy insurance cannot reach them profitably: distribution is expensive, claims are adversarial, and trust is scarce.

CrypSurance is a decentralized cover protocol that rebuilds the insurance stack on smart contracts. Policies are minted as immutable on-chain contracts; community liquidity pools underwrite risk; decentralized oracles verify covered events; and payouts settle automatically — in minutes, not months. The protocol is governed and secured by its native utility token, **SURETY**.

This document describes the protocol architecture, product lines, the SURETY token economy, the presale structure, governance, and the delivery roadmap.

02 · THE PROBLEM

Insurance works. Its plumbing doesn't.

Insurance is one of humanity's oldest financial primitives — pooled risk in exchange for a premium. The failure is operational, not conceptual:

- **Opaque claims.** Decisions happen behind closed doors, at the insurer's discretion, with an incentive to deny.
- **Slow settlement.** Claim cycles often run 30–180 days across major non-life categories.
- **Extractive overhead.** A large share of every premium funds distribution, administration and shareholder returns — not claims.
- **Gated access.** Coverage is rationed by geography, credit history and paperwork. Billions are simply unreachable.
- **Crypto is excluded.** Legacy insurers largely refuse digital-asset risk; the few products that exist carve out phishing, key loss and exchange failure — precisely the events users fear.

03 · THE PROTOCOL

Policies as code, pools as capital, oracles as adjusters

CrypSurance replaces the insurance company with three composable layers:

1 — Policy layer. Every policy is a smart contract minted at purchase. Coverage terms, premium, duration, covered events and payout logic are encoded on-chain, identical for every buyer, and readable by anyone.

2 — Capital layer. Underwriting pools collateralize policies. SURETY stakers deposit into pools (e.g. wallet cover, DeFi cover, parametric travel) and earn a pro-rata share of premiums in exchange for backing the risk. Pool solvency is a public, real-time on-chain number — not a rating-agency opinion.

3 — Verification layer. Covered events are confirmed by multiple independent oracle feeds (flight status, weather, chain analytics, mortality registries where legally available). When oracle consensus confirms an event, the policy contract executes the payout with no human in the loop. A dispute window lets token holders challenge anomalous results before settlement; disputed claims escalate to a governance vote.

Claim lifecycle: event occurs → oracle consensus (multiple sources) → policy validity check → pool payout to the policyholder's wallet. Target settlement time: **under 5 minutes** for parametric products.

04 · PRODUCTS

Two product lines at launch

Non-Life (launches first). Parametric coverage for objectively verifiable events: travel disruption, wallet/custody compromise, DeFi protocol exploits, and property perils where reliable data feeds exist. Parametric design means the payout amount is fixed in advance and triggered by the event itself — no loss assessment required.

Life (second phase). Smart-contract life coverage with beneficiaries written into the policy. Payout executes on oracle-verified proof of death where compliant registry oracles are available. Rollout is jurisdiction-by-jurisdiction, gated on regulatory clarity.

Premiums are payable in stablecoins or SOL. SURETY holders receive a **15% premium discount**, already implemented in the protocol's coverage calculator.

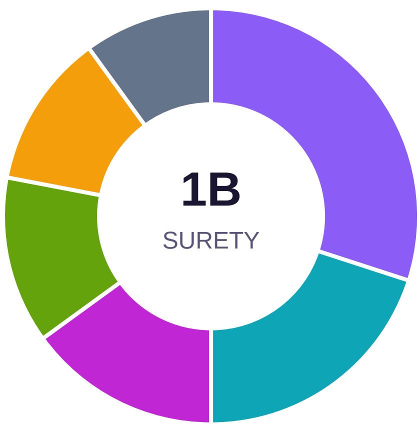
05 · SURETY TOKEN

One token, four jobs

- **Governance** — vote on coverage categories, pool parameters, oracle sets and treasury spending.
- **Underwriting** — stake SURETY into pools that collateralize live policies.
- **Yield** — stakers earn a pro-rata share of every premium paid into their pool.
- **Utility** — 15% premium discount and priority access to new products for holders.

Token standard: SPL token on Solana with Metaplex metadata. **Total supply:** 1,000,000,000 SURETY — fixed: the mint authority is revoked at creation, so no further tokens can ever be created. Protocol programs are built with Anchor and externally audited.

Token distribution



Allocation	%	Tokens	Vesting
Underwriting & staking rewards	30%	300M	Emitted over 36–48 months, proportional to pool participation
Presale	20%	200M	40% at TGE, remainder linear over 3 months
Community & ecosystem	15%	150M	Testnet rewards, airdrops, referrals — released by governance
DEX liquidity	13%	130M	Paired with ~65% of raise; LP locked 24 months (Streamflow)
Team	12%	120M	12-month cliff, then 30-month linear vest. Zero at TGE
Treasury	10%	100M	3-of-5 multisig, address published at TGE

06 · PRESALE

A raise sized to be filled, not flaunted

Parameter	Value
Chain / platform	Solana via PinkSale launchpad
Soft cap / hard cap	$150,000 / $250,000
Presale price	$0.00125 per SURETY (200M tokens ÷ $250k hard cap)
Listing price	$0.0014 per SURETY (+12% over presale)
Listing venue	Raydium — ~65% of raise into LP, locked 24 months
Anti-whale	Maximum buy 2% of hard cap per wallet
Unsold tokens	Burned
Fully diluted valuation at listing	$1.4M

Use of proceeds: ~65% DEX liquidity (locked) · ~15% security audits and legal opinions · ~12% marketing and community growth · ~8% protocol development runway.

Team tokens are absent from the market at launch by design: a 12-month cliff means the team can only be paid by the protocol succeeding, not by the listing candle.

07 · GOVERNANCE

Progressive decentralization

Governance launches as a constrained token vote and widens as the protocol proves itself:

- **Phase 1 (launch):** team multisig executes; SURETY votes are binding signals on pool parameters and listings.
- **Phase 2 (post-audit #2):** on-chain governor contract controls pool creation, oracle sets and treasury spend.
- **Phase 3:** full DAO — protocol upgrades require token-holder approval with timelock.

08 · ROADMAP

Shipping order

Period	Milestone	Detail
2026	Testnet + SURETY TGE	Token created on devnet (done), mainnet token generation event, PinkSale presale and Raydium listing; cover products built and tested on testnet (demo live at crypsurance.io/app)
Q2 2027	Mainnet products + audit	Independent audits of policy, vault and claims programs; parametric non-life products live on mainnet; staking pools open
Q4 2027	Life products & expansion	On-chain life coverage with nominee payouts (first jurisdictions), institutional underwriting partners, multi-chain expansion

09 · RISK FACTORS

What can go wrong

- **Smart-contract risk.** Code can contain defects. Mitigation: independent audits, bug bounty, staged caps on pool size.
- **Oracle risk.** Data feeds can fail or be manipulated. Mitigation: multi-source consensus, dispute window, governance escalation.
- **Capital risk.** Correlated claims could stress a pool. Mitigation: per-pool exposure caps, diversification requirements, treasury backstop.
- **Regulatory risk.** Insurance and token sales are regulated activities in most jurisdictions. The protocol geo-blocks restricted jurisdictions from the presale and rolls out regulated product categories only where legally cleared.
- **Market risk.** SURETY, like all tokens, can lose value. Participation should be sized accordingly.

10 · LEGAL DISCLAIMER

Read this

This whitepaper is for information only. It is not a prospectus, an offer of securities, insurance, or financial advice, and it does not form part of any contract. SURETY is a utility token intended for use within the CrypSurance protocol; it confers no equity, dividend, or claim on any legal entity. Participation in the presale is prohibited for residents of jurisdictions where such participation is restricted, including where required the United States, and is subject to the presale terms published at crypsurance.io. Forward-looking statements (including the roadmap) reflect current intentions and may change. Digital assets are volatile and you may lose everything you commit. Do your own research and consult qualified legal and financial advisers.