**Synergy Network**

**Master Development Checklist**

✅:Complete ⚠️:Issue ⭕️:Incomplete

1. ⚠️ **Phase 1: Planning & Foundation**

**1.1 ⚠️ Tasks**

1.1.1 ⚠️(req. external simulation logs) Write PoSy simulation summary from logs  
1.1.2 ✅ (loc. 1.2.1) Write Business Model content  
1.1.3 ✅ (loc 1.2.2) Finalize Tokenomics logic and charts  
1.1.4 ✅ (loc. 1.2.3, 1.2.4) Define DAO Roles and Flow  
1.1.5 ✅ (loc. 1.2.4) Build DAO Constitution ruleset  
1.1.6 ✅ (loc. 1.2.5) Draft Legal Disclaimer  
1.1.7 ✅ (loc. 1.2.6) Outline Regulatory Guide (GDPR, AML, SEC)  
1.1.8 ✅ (loc. 1.2.7) Conduct Security Threat Analysis  
1.1.9 ✅ (loc. 1.2.8) Write Emergency Rollback scenarios  
1.1.10 ✅ (loc. 1.2.9) Build Address Formatting model  
1.1.11 ✅ (loc. 1.2.9) Implement UMA prototype (HD derivation + verifier)

**1.2 ✅ Deliverables**

1.2.1 ✅ Business Model Document  
1.2.2 ✅ Tokenomics Whitepaper  
1.2.3 ✅ Governance Organizational Chart  
1.2.4 ✅ DAO Constitution  
1.2.5 ✅ Legal Disclaimer  
1.2.6 ✅ Regulatory Compliance Guide  
1.2.7 ✅ Security Risk Assessment Report  
1.2.8 ✅ Emergency Governance Rollback Policy  
1.2.9 ✅ UMA System Prototype

1.2.10 ✅ Synergy Naming System Architecture + CLI/GUI Integration Task Plan

1. ⚠️ **Phase 2: Core Development**

**2.1 ⭕️ Tasks**

2.1.1 ⭕️ Write Network Architecture Specification  
2.1.2 ⭕️ Integrate PoSy contracts + validator clustering algorithm  
2.1.3 ✅ (loc. Ledger Format and State Logic Specification) Document Ledger Format and State Logic  
2.1.4 ⭕️ Write Quantum-Safe Cryptography Explainer  
2.1.5 ⭕️ Polish and confirm SYN Token contract  
2.1.6 ⭕️ Create ICO Plan and Vesting Tiers Table  
2.1.7 ✅ (loc. 2.2.7) Finalize SDK Documentation (JS + Python)  
2.1.8 ✅ (loc. 2.2.8) Build Wallet User Guide

**2.2 ⚠️ Deliverables**

2.2.1 ⭕️ Network Architecture Specification (Overview + Layered Design)

      2.2.1.1 ⭕️ Synergy Testnet Deployment Documentation

      2.2.1.2 ⭕️ Synergy Mainnet Deployment Documentation  
2.2.2 ⚠️(req. 2.1.2) PoSy Consensus Algorithm (Spec + Contracts)  
2.2.3 ⚠️(req. 2.1.3) Ledger Data Model  
2.2.4 ⚠️(req. 2.1.4) Quantum-Safe Cryptography Integration Guide  
2.2.5 ✅ SYN Token Smart Contract  
2.2.6 ⭕️ ICO Strategy Document  
2.2.7 ✅ Developer SDK Documentation  
2.2.8 ✅ Union Wallet User Guide

**2.3 ⭕️ Smart Contract Implementation**

2.3.1 ⭕️ Governance Contract

2.3.2 ✅ (loc. 2.2.5) SYN Token Contract

2.3.3 ⭕️ Presale Contract

2.3.4 ⭕️ Universal Atomic Swap Contract

2.3.5 ⭕️ Liquidity Pool Contract

2.3.6 ⭕️ Staking Contract

2.3.7 ⚠️(req. 2.1.2)(loc. 2.2.2) PoSy Consensus Contract

2.3.8 ⭕️ (loc. 3.2.7) Synergy Naming System Contract

2.3.9 ⭕️ Bridge/Relay Contract (for cross-chain Synergy ↔ ETH/SOL/BTC)

2.3.10 ⭕️ Task Market Smart Contract (bounties, claims, dispute resolution)

2.3.11 ⭕️ Faucet Contract (testnet token distribution, rate limiting)

2.3.12 ⭕️ DAO Treasury Contract (holds SYN, proposal-linked transfers)

1. ⚠️ **Phase 3: Network & Portal Infrastructure**

**3.1 ⚠️ Tasks**

3.1.1 ⭕️ Deploy Synergy Testnet (validators, endpoints, faucet)  
3.1.2 ⭕️ Build Synergy Testnet Explorer (UI + blockchain hooks)  
3.1.3 ⭕️ Build Synergy Mainnet Explorer (theme + data sources)  
3.1.4 ⭕️ Implement Network Selector Component  
3.1.5 ⭕️ Build Synergy Portal skeleton (navigation, content, layout)  
3.1.6 ⭕️ Implement Gas Station for testnet (wallet connect + faucet)  
3.1.7 ⭕️ Build DAO Interface on Portal (proposals, voting)  
3.1.8 ⭕️ Build ICO / Pre-Sale Interface (on-chain payments + vesting)  
3.1.9 ⭕️ Build CLI version of Synergy Utility Tool (wallet, name system, transactions)  
3.1.10 ⚠️(req. 3.2.6, 3.2.7) Build GUI version of Synergy Utility Tool (wallet, name system, tokens)  
3.1.11 ⭕️ Implement cross-tool wallet/token/name sync  
3.1.12 ⭕️ Build Synergy Naming System (register, resolve, query)

**3.2 ⭕️ Deliverables**

3.2.1 ⭕️ Synergy Testnet Infrastructure (nodes, faucet, explorer, endpoints)  
3.2.2 ⭕️ Synergy Portal (DAO, ICO, faucet, staking, documentation)  
3.2.3 ⭕️ Synergy Explorer (testnet + mainnet support)  
3.2.4 ⭕️ Network Selector Component  
3.2.5 ⭕️ Synergy Utility Tool – CLI  
3.2.6 ⭕️ Synergy Utility Tool – GUI  
3.2.7 ⭕️ Synergy Naming System Smart Contract + UI

1. ⚠️ **Phase 4: Testing & Validation**

**4.1 ⭕️ Tasks**

4.1.1 ✅ (loc. 4.2.1) Write Testnet Deployment Guide  
4.1.2 ⭕️ Deploy and document Faucet Smart Contract  
4.1.3 ⭕️ Gather Audit Logs and Security Reports  
4.1.4 ⭕️ Simulate and Document Sybil Attacks  
4.1.5 ⭕️ Benchmark Network with Stress Tests  
4.1.6 ✅ (loc. 4.2.6) Test and Write Unit Tests for Smart Contracts  
4.1.7 ⭕️ Simulate Voting Cycles + Governance Reports  
4.1.8 ⭕️ Collect UI/UX Testing Feedback  
4.1.9 ✅ (loc. 4.2.9) Finalize API Reference

**4.2 ⚠️ Deliverables**

4.2.1 ✅ Testnet Deployment Guide  
4.2.2 ⚠️(req. 3.1.6, 3.2.1) Faucet Contract + Web UI  
4.2.3 ⚠️(req. 4.1.3) Security Audit Logs  
4.2.4 ⚠️(req. 4.1.4) Sybil Attack Simulation Report  
4.2.5 ⚠️(req. 4.1.5) Load Benchmark Reports  
4.2.6 ✅ Smart Contract Unit Tests  
4.2.7 ⚠️(req. 4.1.7) Governance Voting Test Reports  
4.2.8 ⚠️(req. 4.1.8) UI/UX Feedback Reports  
4.2.9 ✅ Finalized API Documentation

1. ⚠️ **Phase 5: Mainnet Launch & Adoption**

**5.1 ⭕️ Tasks**

5.1.1 ⭕️ Write Mainnet Launch Guide  
5.1.2 ⭕️ Draft Token Migration Instructions  
5.1.3 ⭕️ Summarize Validator & Staking Rewards  
5.1.4 ✅ (loc. 5.2.4) Finalize DAO Contract Review  
5.1.5 ⭕️ Merge Operator Instructions for Cross-Chain Bridges  
5.1.6 ⭕️ Compose Enterprise Integration Guide

**5.2 ⚠️ Deliverables**

5.2.1 ⚠️(req. 3.1.1, 4.2.1) Mainnet Deployment Guide  
5.2.2 ⚠️(req. 5.1.2) Token Migration Documentation  
5.2.3 ⚠️(req. 5.1.3) Staking Incentives Guide  
5.2.4 ✅ Governance Smart Contracts  
5.2.5 ⭕️ Bridge Node Operator Manual  
5.2.6 ⭕️ Enterprise Integration Guide

1. ⚠️ **Phase 6: Ecosystem Growth**

**6.1 ⭕️ Tasks**

6.1.1 ⭕️ Draft uDEX Documentation  
6.1.2 ⭕️ Finalize Liquidity Pool Deployment Scripts  
6.1.3 ⭕️ Merge Cross-Chain Swap Logic  
6.1.4 ⭕️ Document Task Market Deployment  
6.1.5 ⭕️ Write Growth Strategy for Devs & Users  
6.1.6 ✅ (loc. 6.2.6) Review DAO Grant Allocation Workflows  
6.1.7 ⭕️ Design Continuous Audit Flow  
6.1.8 ⭕️ Write Use Case Report (from field data)  
6.1.9 ⭕️ Create Five-Year Network Upgrade Plan

**6.2 ⚠️ Deliverables**

6.2.1 ⭕️ uDEX Smart Contract Documentation  
6.2.2 ⭕️ Liquidity Pool Launch Guide  
6.2.3 ⚠️(req. 6.1.3) Cross-Chain Swap System Specification  
6.2.4 ⭕️ Task Market Smart Contract Documentation  
6.2.5 ⭕️ Community Growth Strategy Document  
6.2.6 ✅ DAO Grant Allocation Framework  
6.2.7 ⭕️ Continuous Audit Pipeline Plan  
6.2.8 ⭕️ Enterprise Use Case Reports  
6.2.9 ⭕️ Long-Term Upgrade Roadmap