



A peer-to-peer renewable energy system

Roadmap

SOLAREUM ROADMAP

Solareum addresses the challenges and dilemmas faced by the current blockchain and cryptocurrency space that have come about through the rapid adoption of the technology. These challenges can cause problems as blockchain technology evolves and intertwines with centralized sources. Solareum provides the mechanisms, principles, and tools to move from centralized to fully decentralized sources. Solareum will ensure that the blockchain technology is entirely decentralized in every aspect, from running nodes and validating and securing the blockchain to monetization without intermediaries or centralized entities. Solareum has developed this roadmap which outlines our vision and goals while also providing insight into how they are achieved.

Solareum will create an L1 blockchain from scratch, reasons for doing this are that the blockchain will include unique mechanisms, principles, and concepts that do not yet exist. The advantage of building the L1 blockchain from scratch is that the solutions Solareum provides can be made fit for the specific purposes the blockchain will serve. Choosing this approach will be more time costly compared to forking a chain and building from there, but worth it in the end. Lead times depend on development capacity and will be scaled up as the project grows. Research and extensive analysis to determine feasibility are necessary before initiating blockchain development. The research is complete and successful. The functional and non-functional requirements are documented and presented as a Litepaper, which partially exposes the completed documentation produced already. The whitepaper will be released in the foreseeable future and will contain more extensive documentation, including potential risks and regulatory compliance analysis. Conceptualizing the Solareum blockchain has been completed. The most important activities and decisions involved were choosing a public blockchain network, introducing Solareum's unique and new consensus mechanisms Proof of Generation (PoG), the secondary Delegated proof of Generation consensus (DpoG) mechanism, and the validator mechanisms and principles. All other features have been conceptualized and worked out as well. The next step is to create a roadmap, which you are reading currently.

The roadmap contains the milestones and deliverables, including an estimate of lead times on deliverables. As soon as the Solareum project starts, there is work toward a proof of concept (POC). Proof of concept is an excellent way to demonstrate the solutions as a minimum viable product (MVP). By doing this, Solareum will show viability and will draw serious attention in an early stage. The detailed blockchain design, which includes the architectural design, integration, implementation details, and other details, will be delivered as a whitepaper. This preparatory work is not published yet, due to Solareum wanting to protect its intellectual property and preventing others from taking advantage of making that technology and knowledge publicly available. Currently, there has been done approximately eight months of work in preparation. The expectation is that development finishes in Q4 of 2023 with the current availability of resources. After internal testing, Solareum will hire an external, independent, and reputable auditing company to do its analysis and testing to get certified. Lastly, Solareum will deliver a testnet on which the community and people outside the community can test. Solareum will create a bounty program for people testing the testnet. After a yet-to-be-determined time, the main net will deploy. From that moment forward, Solareum will be fully in production and available to the world to leverage.

Q2 (April-June)

- Building and growing the Solareum community, engagement events towards launch;
- Launching the Solareum website;
- Solareum contract security audit;
- Launching the Solareum project;
- Solareum Contract Audits;
- Solareum AMAS;
- Engagement competitions in several forms;
- Creating partnerships with parties that are active within the renewable energy sector and the crypto space to grow exposure for Solareum;
- Solareum marketing campaign;
- Listing on well-known popular platforms and listing sites;

Q3 (July-September)

- Continued marketing campaign;
- Demonstrating SolareumChain (POC) proof of concept #1;
- Introducing Solareums first official renewable energy sector partner;
- Attending renewable energy fair and conference;
- Solareum AMAS;
- Launching Solareum REGQL protocol and publishing whitepaper;

Q4 2023 (October-December)

- Attendance to renewable energy fairs and conferences;
- Introducing Solareums second official renewable energy sector partner;
- A mystery will be unveiled;
- Demonstrating SolareumChain (POC) proof of concept #2;
- Launching Solareum Testnet;
- Publishing the Solareum decentralized renewable energy marketplace whitepaper;

Q1 2024 (January-March)

- Solareum Testnet bounty program;
- On-boarding and piloting program through Solareum Labs;
- Launching Solareum Wallet for Ethereum and SolareumChain testnet;
- Launching Solareum Swap + OTC and other unique features for Ethereum and SolareumChain testnet;
- Solareum Wallet and Swap Security audit;
- Solareum Wallet and Swap bounty program;

* The projected roadmap shows deliverables per quarter. Expectations are that the amount of development resources will scale up in the near future, which will shorten lead times and move the deliverables to an earlier ETA. The provided roadmap can be extended in the future with extra deliverables and events, if that is the case an update will be posted through official channels.