CASE STUDY

LightLink Network

Ethereum Layer 2

For Layer 2 networks that want to give apps access to cross-network liquidity and execution without maintaining bespoke bridging or liquidity coordination.

The Partner

LightLink is an Ethereum Layer 2 designed to support scalable, low-friction applications through chain abstraction and gasless transaction infrastructure.

As the network evolved, its focus expanded toward enabling applications to access cross-network assets, liquidity, and execution. This is done without exposing end users or businesses to gas management or multi-chain operational complexity.

The Challenge

LightLink's ecosystem was constrained by limited access to cross-network assets and liquidity. While core assets like ETH, LL, and stablecoins were available natively, applications could not easily support assets such as BTC, SOL, AVAX, or other major markets without leaving the network or relying on bespoke integrations.

This resulted in several structural limitations:

Limited asset coverage meant applications could not offer native access to assets like BTC, SOL, or AVAX on LightLink.

Slow execution paths forced users to rely on transfers with long confirmation times to reach assets on other networks.

Fragmented liquidity resulted in shallow markets and inconsistent pricing, even when assets were made available.

Developer overhead increased due to custom integrations and ongoing liquidity management.

The Solution

SODAX integrated at the LightLink network layer, enabling applications deployed on LightLink to access cross-network liquidity and execution without managing local pools.

1 Unified Liquidity Layer

LightLink integrated SODAX's Core SDK at the network level, allowing applications on LightLink to access deep liquidity across 14+ connected networks, including Solana, Sui, Avalanche, Arbitrum, and Stellar. Applications no longer need to fund or manage local liquidity pools to offer multi-asset access.

Impact: Users no longer wait 24 hours or navigate bridge flows. They specify an intent like "I want SOL," and trades settle with deep liquidity, low slippage, and no manual bridging steps.

2 Native Asset Representation

SODAX introduced native asset representations for LightLink, allowing applications to expose assets like SUI.LL, BTC.LL, and AVAX.LL under LightLink-native naming standards. Settlement remains fully compatible with the broader SODAX ecosystem.

Impact: Users interact with familiar, network-native asset names and trade directly, without needing to understand wrapped tokens, bridges, or cross-network mechanics.

3 Intent-Based Execution

Applications on LightLink execute trades through SODAX's solver network, which sources liquidity across all connected networks instead of relying on shallow local AMMs. Execution is coordinated externally while the user interaction and settlement remain native to the LightLink environment.

Impact: Users can execute both small and large trades with consistent pricing and minimal slippage.

4 Direct SDK Integration for Builders

Protocols building on LightLink can integrate SODAX through the Core SDK to support cross-network execution without building bespoke coordination infrastructure. LightLink apps already use SODAX to offer index-style products that execute exposure across assets like BTC, ETH, SOL, and LL in a single user action.

At a glance

- **2 weeks** to integrate
- **2-4 days** to launch money market
- **14+** networks now accessible
- **No** user-visible bridging delays

About LightLink

$11.5M	Funding from top-tier investors
67K+	Daily transactions
78M+	Transactions handled
1.5M+	Accounts have used gasless transactions
50+	Partnerships (Including Animoca, Lamborghini, Rarible)

Quote

"With SODAX, we can offer DeFi traders access to a wider range of assets without requiring them to leave the LightLink ecosystem. It enables us to support cross-chain index pools without managing complex infrastructure, making it a strong complement to LightLink's mission."

— Daniel Enright
Ecosystem Lead at LightLink

References Website X

Network-Level Outcomes

Expanded Asset Access

LightLink expanded from a small set of native assets (ETH, LL, stablecoins) to deep liquidity across 14+ connected networks, giving applications immediate access to major assets like BTC, SOL, AVAX, and more.

Eliminated Bridge Friction

Users no longer rely on manual bridges or long confirmation paths. Cross-network swaps execute through SODAX with native UX and predictable settlement.

New App Capabilities

Applications on LightLink can offer multi-asset and cross-network products, such as diversified exposure across BTC, ETH, SOL, and other assets, executed in a single user action. These product designs were previously impractical due to fragmented liquidity and bridge coordination.

Developers building on LightLink do not need to fund liquidity, operate bridges, or maintain custom routing logic. SODAX provides execution and liquidity access at the network level

Proven Traction

LightLink hosts 50+ active applications and processes ~67,000 transactions per day.

SODAX extends this activity with cross-network execution and liquidity access at the network layer.

SODAX SDK Components

Available to builders on LightLink

Foundation Layer

@SODAX/SDK
This is the core logic that powers the entire ecosystem. It provides the raw functional modules required to build with SODAX programmatically.

Connection Layer

@SODAX/WALLET-SDK-CORE
A pure TypeScript implementation of wallet providers. Use this if you are building a custom frontend framework or a non-React application.

@SODAX/WALLET-SDK-REACT
An opinionated wrapper optimized for React applications, providing pre-built context providers and state management for wallet connections.

Experience Layer

@SODAX/DAPP-KIT
The fastest way to build with SODAX. This is an opinionated collection of UI components, hooks, and utilities that leverages the layers below it.

Get started

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