

SORA Blockchain [Web3.0/AI-NFT]

HDD/SSD/NVMe Blockchain-Powered Inspection & Recovery Loop System

## 1, Introduction

In recent years, the capacity of HDD/SSD/NVMe has dramatically increased, amplifying the value of the information stored. Consequently, the significance of drive inspection and recovery has also risen. This system employs blockchain technology as its foundation, utilizing AI-NFTs to facilitate detailed inspections of HDD/SSD/NVMe. Additionally, it establishes a cyclical mechanism through which blockchain transaction fees are returned to miners.

## 2, Background and Problem Statement

Traditional predictive systems, such as S.M.A.R.T., struggle to accurately forecast the state of HDD/SSD/NVMe drives. Simple sector inspections are insufficient to assess the overall health of a drive accurately.

### 3, Solution

We propose a loop system that accumulates failure statistics of HDD/SSD/NVMe on the blockchain and uses this data to derive optimal inspection and recovery methods. By leveraging the decentralized nature of blockchain, we eliminate the risk of bias or skewness in the statistical data.

### 4, Advantages

Potential to prevent a significant amount of HDD/SSD/NVMe data loss worldwide.

By returning value to miners, the system ensures the sustainable worth of the blockchain and heightens the incentive for system utilization.

### 5, Implementation Examples

The system is already complete and licenses are being sold to computer vendors and repair businesses both domestically and internationally. This ensures that end-users are consistently provided with tangible value.