

# KGLD : One-Page Report

## Gold-Backed RWA Infrastructure

### 01 | KGLD Overview

KGLD is a **gold-backed real-world asset (RWA)** token issued against physical gold. By linking institutional gold custody with on-chain token issuance, KGLD pairs the stability of physical gold with the transferability, accessibility, and transparency of digital assets.

KGLD is more than a cryptocurrency. It is an RWA infrastructure that brings together **physical gold reserves, on-chain issuance, smart contracts, and a physical redemption process** within a single framework.

Physical redemption is fulfilled through the **Korea Gold Exchange (KGE)**, while **Korea Gold Exchange Digital Asset (Korda)** oversees end-to-end operations, including reserve sourcing and the full issuance and redemption flow.

### 02 | What KGLD Represents

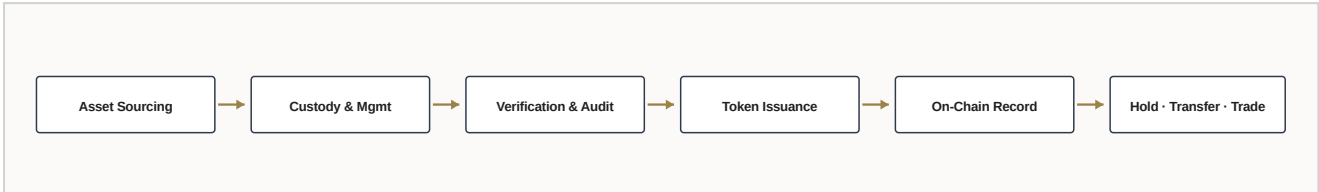
KGLD operates on a reserve-backed model, fully backed by physical gold.

Attribute	Detail
Token Name	KGOLD
Token Symbol	KGLD
Asset Type	Gold-backed Real World Asset
Underlying Asset	Physical gold (99.99% purity)
Core Value	Combines the stability of physical gold with on-chain digital liquidity
Main Utility	Holding, transfer, trading, and physical redemption subject to applicable policies and procedures
Issuance Model	Supply managed against reserves; minting subject to internal approval

At its core, KGLD is designed **to provide a transparent on-chain representation of physical gold value.**

## 03 | Technical Architecture

KGLD is designed as a **single connected pipeline** — from sourcing physical gold reserves through to the user's wallet and the redemption process.



The defining feature of this architecture is the tight coupling of **on-chain token flows with off-chain physical asset management**. Every key event, from issuance to redemption, is recorded on-chain and remains fully auditable.

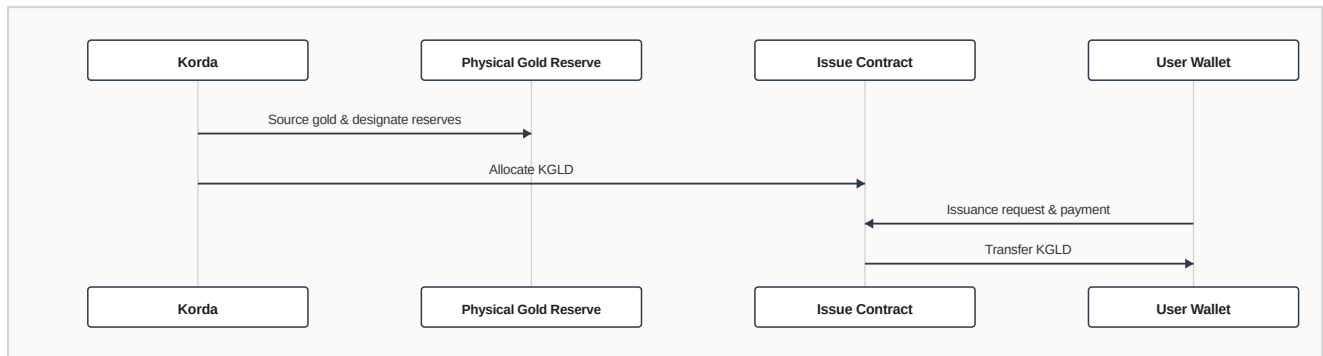
## 04 | Key Technical Features

Component	Technical Feature	Description
Token Standard	ERC-20 token structure	Standard token design ensuring compatibility with wallets, exchanges, and DeFi infrastructure
Omnichain Design	LayerZero OFT architecture	Built for transferability and scalability across multiple chains
Smart Contract	Issuance–transfer–redemption integration	Smart-contract-driven operations linked to the issuance and redemption processes
Issue Contract	Handles user issuance	Transfers pre-provisioned KGLD to the user's wallet upon an issuance request
Redeem Contract	Manages redemption requests	Locks KGLD during physical redemption and links to the burn process once redemption is complete
On-Chain Traceability	On-chain event tracking	Key events — issuance, transfer, lock, and burn — are recorded and verifiable on-chain
Access Control	Role-based operations	Separation of privileges across minting, upgrades, and core administrative functions
UUPS Proxy	Upgradeable architecture	Supports upgrades to adapt to evolving legal and regulatory requirements for RWA tokens
Security Audit	Independent security audits	Smart contracts undergo external security audits

## 05 | Issuance & Redemption Flow

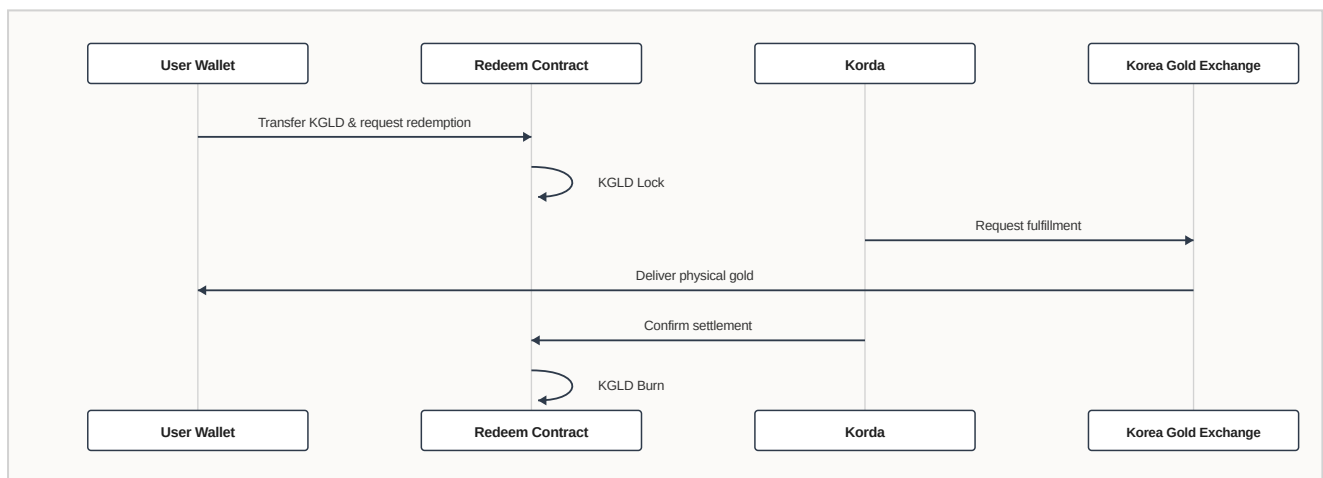
KGLD is issued against physical gold reserves. In line with applicable policies and procedures, users can issue KGLD or request redemption for physical gold.

### Issuance Flow



Step	Participants	Description
1	Korda	Source physical gold and designate it as reserves
2	Korda → Issue Contract	Allocate KGLD
3	User → Issue Contract	Submit issuance request and payment
4	Issue Contract → User Wallet	Transfer KGLD to the user's wallet

### Redemption Flow



Step	Participants	Description
1	User → Redeem Contract	Transfer KGLD and request redemption
2	Redeem Contract	Lock KGLD
3	Korda → KGE	Request physical gold fulfillment
4	KGE → User	Deliver physical gold
5	Korda → Redeem Contract	Confirm redemption settlement
6	Redeem Contract	Burn KGLD

**Minimum Redemption Unit** Korea Gold Exchange 100g gold bar (packaged product)  
**Redemption Amount** KGLD-equivalent value of a Korea Gold Exchange 100g gold bar (KGLD-equivalent value = real-time international gold price, adjusted for gold weight, fabrication fees, VAT, and related costs)

Note: Physical gold redemption may be restricted for transactions flagged as abnormal or high-risk.

## 06 | Security & Governance

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Because KGLD bridges physical and on-chain assets, both **technical security and operational controls** are essential.

Domain	Approach
Smart Contract Security	Independent security audits and vulnerability assessments
Admin Authority	Multi-signature and role-based access control
Mint Control	Minting governed by internal approval workflows
Upgrade Control	Permissioned, approval-based upgrades with separation of duties (UUPS)
Reserve Control	Reserve designation with a recorded management history
Audit Trail	Logging and traceability across all key operational actions
Redemption Control	Segregated redemption process: request, lock, delivery confirmation, and burn

KGLD is built not simply to issue a token, but **to govern physical gold management and smart contract operations within a single control framework.**

## 07 | Why KGLD

KGLD brings physical gold into the digital asset ecosystem while preserving the value of the underlying gold reserve.

### Physical Gold vs. KGLD

Traditional Physical Gold	KGLD
Cumbersome to store and move	<b>Held and transferred through digital wallets</b>
Limited trading access	<b>Leverages global blockchain infrastructure</b>
Physical verification separated from transaction history	<b>Traceable through on-chain records</b>
Redemption and delivery handled largely offline	<b>Requests and processing linked through smart contracts</b>
Distribution centered on a single market	<b>Expandable across multiple exchanges and on-chain</b>

### What Sets KGLD Apart

Attribute	Detail
<b>Gold Quality</b>	Custody backed by 99.99% pure physical gold
<b>Redemption Infrastructure</b>	Physical delivery through the Korea Gold Exchange (KGE)
<b>Regulatory Adaptability</b>	UUPS proxy enables adaptation to changing regulatory requirements
<b>Multichain Expansion</b>	Cross-chain transfers via LayerZero OFT
<b>On-Chain Transparency</b>	Issuance, transfer, lock, and burn fully recorded on-chain

KGLD is a gold-backed RWA project that brings together the **trustworthiness of physical gold**, the **transparency of on-chain records**, and the **accessibility of global digital assets**.

## 08 | One-Line Summary

**KGLD is a gold-backed RWA token infrastructure that connects physical gold reserves with on-chain issuance, transfer, and redemption.**

#### DISCLAIMER

This document is a summary overview of the KGLD project. It does not constitute an offer or solicitation to invest, financial advice, or any guarantee of returns. The scope and functionality of KGLD services may change in accordance with applicable laws, the prevailing regulatory environment, and operational policies.