CONNECT
YOUR BUSINESS
APPLICATION TO THE
BLOCKCHAIN

TRACERCHAIN

TracerChain

TracerChain is a Modular Blockchain Platform that is designed to disrupt the current industry practices by prioritizing transparency, immutability and accountability with blockchain technology. To make blockchain technology accessible so business applications our platform offers the following benefits:

Your blockchain skillset on one platform

- Easy to integrate
- Easy to customize
- Keep the control of your blockchain data

Onboarding your business partners – Multi-Level Access

Make Smart Contracts available to all your partners. This can be done easily with our self-service web application or via our API gateway to connect corporate applications directly with the blockchain.

Multi-Level white labeling

A customizable dApp which allows you to deploy, host and share your own private blockchain with your professional network. Our smart contracts can be directly embedded and do not interfere with your branding.

Mainstream ready

The flow manager and smart contract ecosystems are fully optimized for each type of business application. The protocol-level usability features make it easy to onboard the data flow between your business app and the blockchain.

TracerChain

TracerChain is made up out of three main parts that work together to provide secure and transparent blockchain solutions:

Blockchain Flow Manager

Smart Contracts Repository and Management

Traceability and Compliance Module

Blockchain Flow Manager

The Blockchain Flow Manager lets you define the way you want to interact with the smart contract with high flexibility.

By default TracerChain uses an Ethereum Private Blockchain on which you can host your own node. This means you will know all of the costs in advance (no "gas fee" / transaction fee).

In addition to deployment on Ethereum Private Blockchain, our Smart Contracts can also be deployed on Ethereum Public Blockchain (mainnet or testnets) or on any blockchain based on the EVM (e.g. HeliosProtocol).

Smart Contracts

TracerChain has a predefined smart contract repository that is based on the different modules that come with the platform.

While the logic behind each module is powered by these default smart contracts, there is the option to add (or remove) customized functionalities according specific needs before deployment.

Traceability and Compliance Module

This module is designed to aid organizations that are part of a supply chain that has strict traceability and compliance requirements. The module allows for secured and controlled action delegation within the same organization account (Multi signature wallet). It supports Global Encryption Keys per organization or Specific Encryption Keys per user.
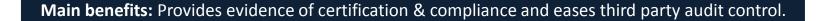
Share the data you enrich

- Industrial data
- Compliance data

Three levels of information

- Public
- Upstream
- Counterpart only

Set your own standard levels

- Tag all the data by compliance category
- Easily perform compliance audits on the data
- Trigger automatic alert and notifications in case of non-compliance

Main benefits: Provides evidence of certification & compliance and eases third party audit control.

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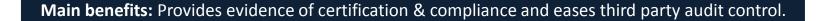
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How we work

Our expert blockchain team has extensive experience integrating blockchain capabilities into business application across various industries. We can work with your existing systems, or we can use TracerChain to efficiently connect your business application(s) to the blockchain and benefit from full traceability. The result is a drastically shortened project timeline.

TracerChain can manage your blockchain project from start to finish and beyond:

ANALYSIS AND SPECIFICATION WRITING → DEVELOPMENT AND INTEGRATION → DEPLOYMENT → ONBOARDING → LIVE PRODUCTION → SUPPORT, MONITORING AND MAINTENANCE

Customization Projects

In the analysis phase we define your customization needs and estimate the number of man-days necessary to complete your project. This will result in a service contract executed by TracerChain's dedicated blockchain team. Once the project has been completed, TracerChain can provide support and maintenance services to keep your application running smoothly.

TracerChain licensing

Our blockchain platform offers flexible licensing based on your customization and consumption needs (e.g. number of transactions, actors, white labelling level).

To provide you with a quote we'll be happy to set up an exploration call to further understand your needs.

Mining industry's use case

Each actor can access to TracerChain through:
- WebApps desktop
- or/and WebApps Smartphone
- or/and API

Each actor can have multiple users under their TracerChain account:
- Physical actor WebApps
- SCM/ERP/CRM via API
- IoT automatic/robot actor via API

TYPE	ACTORS	ACTIONS	MANUAL TRANSACTION			AUTOMATIC TRANSACTION	DATA EXCHANGE		
			SMARTPHONE APP	WEB APPS	SCM/ERP/CRM via API	IOT	COUNTERPART	UPSTREAM	PUBLIC
PRODUCTION	Miner	The Miner declares the raw gold production via the TracerChain	✔						
TRANSFORMATION STORAGE	Refiner	Reception of raw gold	✔						
		Validation of the weight by an IoT scale that is connected to TracerChain via a secured API				✔			
		Internal storage of raw gold		✔					
		Refinement of the raw gold		✔					
		Transformation of the raw gold into refined gold		✔					
		Validation of the new weight by the IoT scale that is connected to TracerChain via a secured API				✔			
TRANSPORT	Transporter	Pickup				✔			
		Transportation - With GPS an IoT that traces the location of the truck and sends the information back to TracerChain				✔			
		Delivery				✔			
STORAGE	Vault	Reception of refined gold		✔					
		Storage of refined gold		✔					
		Delivery of refined gold	✔						
ASSEMBLY INDUSTRY MANUFACTURER	Jeweller	Reception of refined gold	✔						
		Assembly of refined gold for a gold ring			✔				
		Sells the gold ring in the store			✔				
CONSUMER	Consumer	Buys the gold ring	✔						
		Gets a certificate provided by the jeweller, with public access to TracerChain and all the public information	✔						