



ASTRAK<>DE

www.astrakode.tech

Problem

“What are the main difficulties you encountered while developing with Hyperledger Fabric?”
A recent survey:

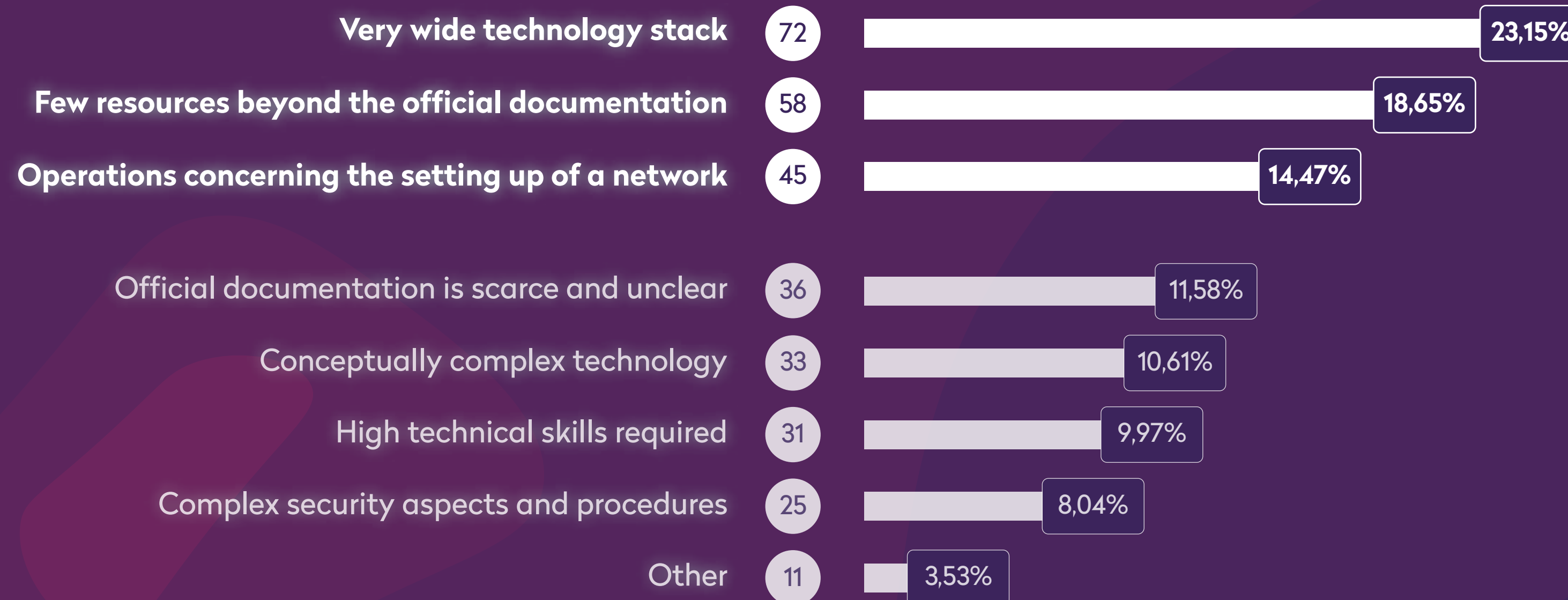
PROBLEM

RESPONSES

TOT: 311

RESPONSES

(%)



Three key issues have been recognized with enterprise blockchain development:

- Limited access to the technology due to its **complexity** and **stack size**;
- **Scarcity of qualified professionals** able to develop production grade solutions;
- **Scarcity of documentation** and other similar resources;

In addition to AstraKode's own experience with the development of similar solutions, the problems identified have also been validated through market research.

Solution

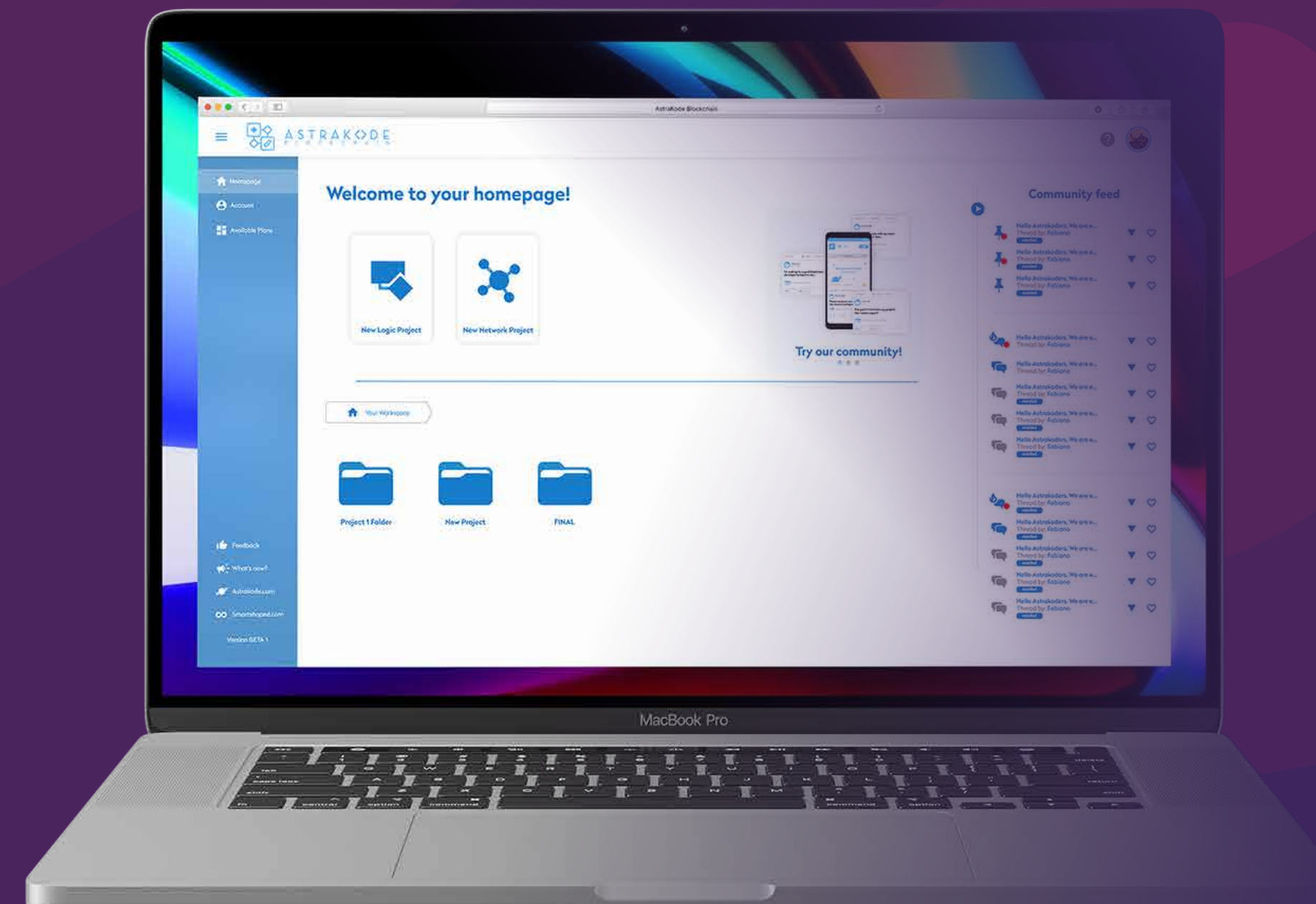
AstraKode Blockchain (AKB), an all-in-one low-code solution to assist (enterprise) blockchain development based on four pillars:

Network Composer, a guided visual environment for blockchain (Hyperledger Fabric) network creation;

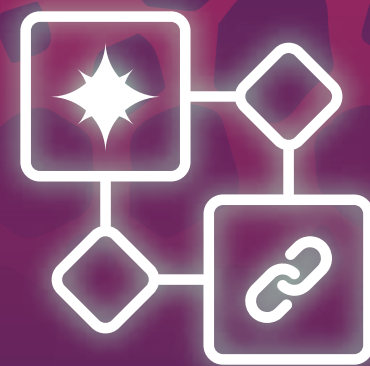
Smart Contract IDE, another guided visual development environment for Smart Contracts (Solidity and Hyperledger Fabric);

Assisted deployment and testing;

Built-in community for peer-to-peer support and documentation/wikis.



Roadmap



ASTRAK<>DE
BLOCKCHAIN
CERES

CURRENT VERSION: CERES

Network Composer
Code Generation

Project: 399

Users: 757

AKB MAJOR UPDATE

Smart Contract IDE

Q2 2022

AKB MAJOR UPDATE

Premium Features
Template Marketplace

Q4 2022

AKB MAJOR UPDATE

Assisted Deployment Pipelines
Assisted Testing Suite

Q2 2023

AKB MAJOR UPDATE

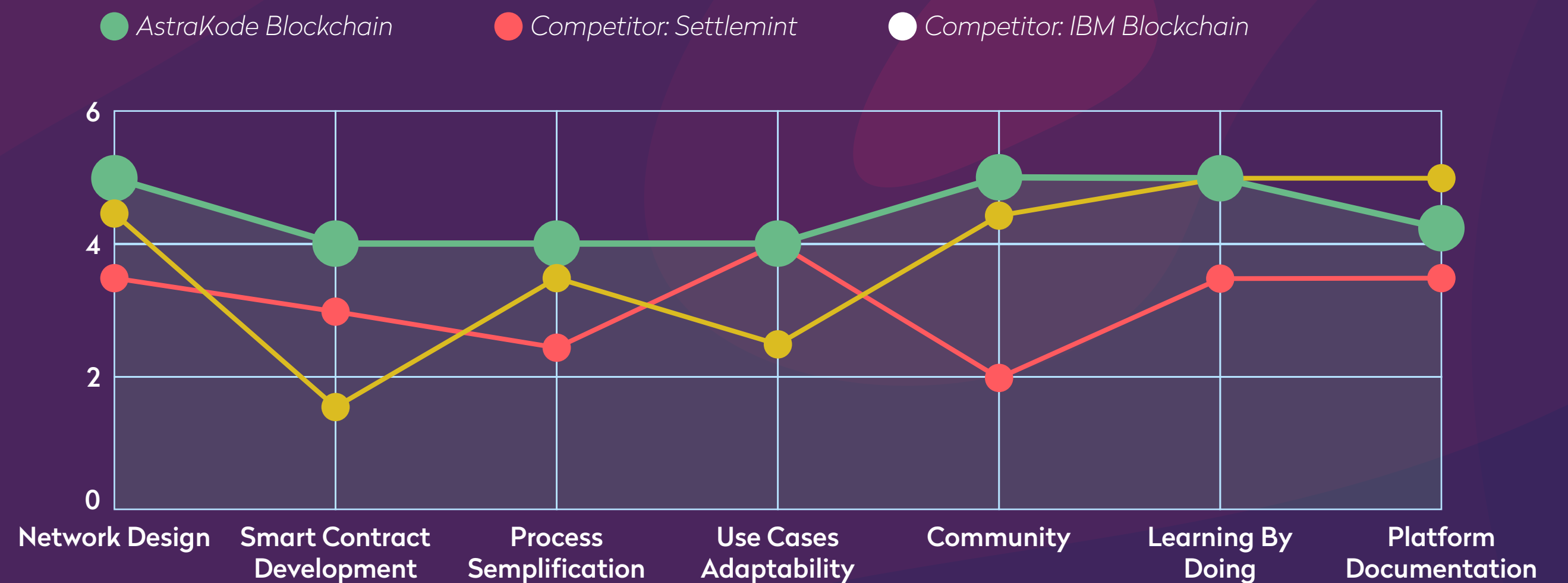
Additional Technologies
Compatibility (e.g. Corda, Algorand)

Q4 2023

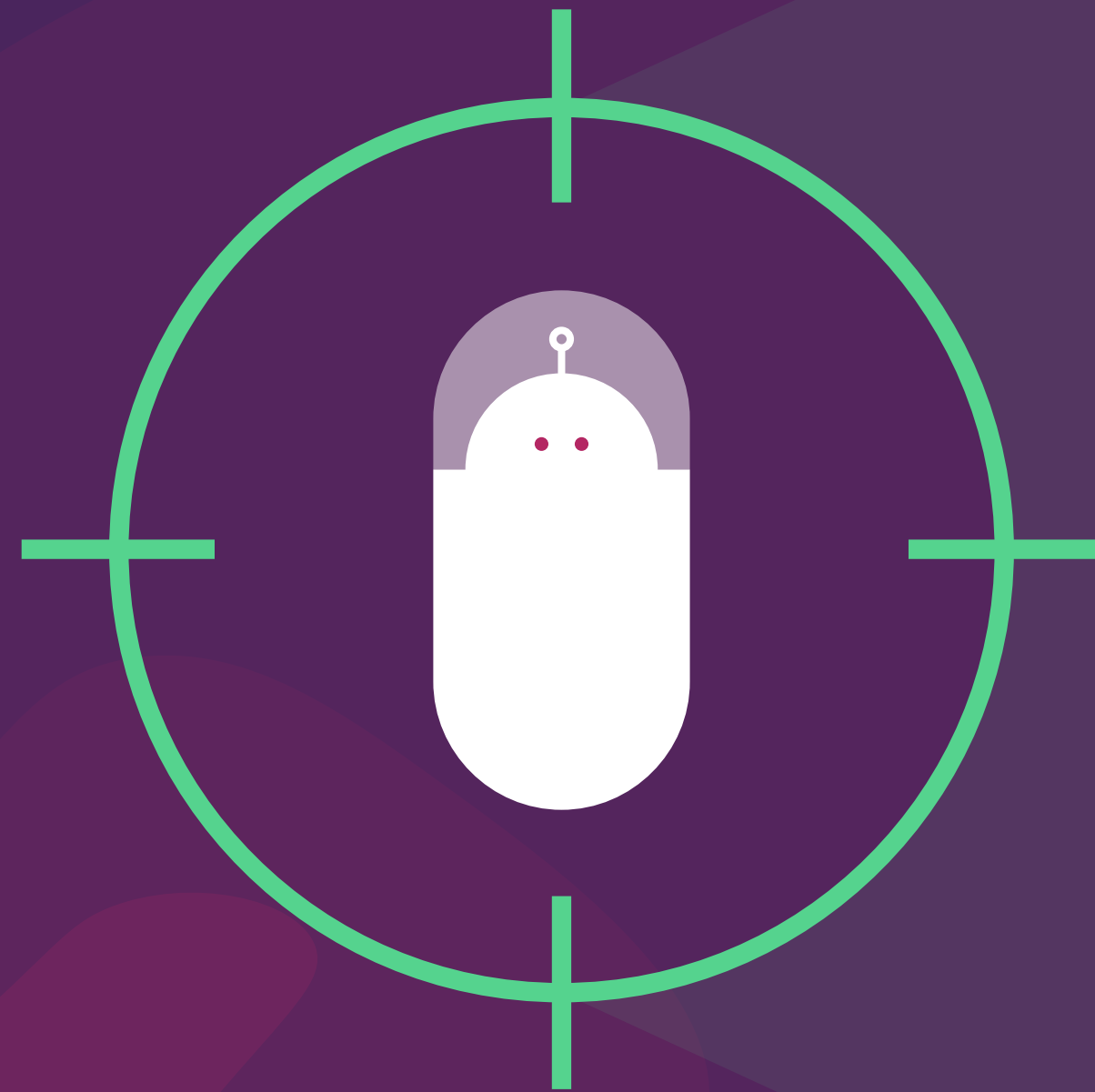
Why AstraKode Blockchain

- **Abstracts away complexity and repetitive tasks** and helps the user to immediately deploy the solution to the cloud;
- **Native compatibility** with the most popular blockchains;
- **Unprecedented speed and ease of design** and better focus on functionality and user experience;
- Ability to design, develop, and deploy a production-grade solution **within one platform**;
- Its low-code approach makes for **ease of use and self-documented and validated projects**;
- The platform's **community** offers access to **peer support** and **valuable learning content**.

Value curves



Target customer ID



Company size: any;

Sectors: any sector with a use case fit (logistics, fintech, and agrifood are biggest sectors ATM);

Internal IT capabilities: at least some degree of technical capabilities is needed;

Blockchain expertise: no prerequisites other than fundamental understanding of technology and use case implementation;

Use case tech fit: potentially any blockchain solution/dapp, with a focus on enterprise use cases;

Target end-users: blockchain enthusiasts, IT providers, smart contract designers and developers, either working freelance or in an enterprise environment.

Adopters

The logo for Innomando, featuring the word "INNOMANDO" in a bold, red, sans-serif font, stacked in three lines: "INN", "OMAN", and "DO".

INNOMANDO

PILOTING COLLABORATION CONTACT

Innomando is a technological startup operating in **the food & beverage industry**. Their project aims to exploit blockchain technology to improve the **traceability** and **transparency** of high added value supply chains, such as the ones for wine and liquor.

The logo for D-Visor, featuring the text "D-VISOR" in a blue, sans-serif font. The "O" is replaced by a stylized globe icon with a blue and green color scheme and a small cluster of dots above it.

D-VISOR

PILOTING COLLABORATION

As part of the **NGI ONTOCHAIN** 2nd Call, we collaborated with D-Visor (a Dutch Tech Startup) to deliver the **BOWLER** project, a first iteration of the **Smart Contract IDE**. The participation also served as a springboard to showcase what can be done with BOWLER at Paaspop Innovates fest, where we presented a use case related to **NFT ticketing for the Paaspop Festival**.

The logo for Systema, featuring the word "SYSTEMA" in a blue, sans-serif font. To the left of the text is a stylized blue double arrow icon. Below the text, the tagline "design the change" is written in a smaller, lowercase font.

SYSTEMA
design the change

PILOTING COLLABORATION

With Systema, an Italian IT consulting and software development company, we utilized AstraKode Blockchain to implement the **notarization of documents** on a permissioned blockchain, **to be integrated with their BIM** (Building Information Modeling) platform.

Business model

The platform is offered in **PaaS** (Platform-as-a-Service).

To guarantee **more accessibility**, the platform will have an extensive freemium perimeter as well as allow for each premium feature to be purchased separately.

The free perimeter will include both Network Creator and Smart Contracts IDE but is going to be limited in both:

- **Scope:** limited access to the cloud testing environment;
- **Features:** e.g. limited amount of peers per organizations, creation of separate certificate authorities for MSP and TLS.

Free pack 0€	Dev Pack 99€	Enterprise Pack 299€
Network composer and smart contract IDE.	Network composer and smart contract IDE.	Network composer and smart contract IDE.
	Premium features	Premium features
	Solution testing on dedicated cloud environment	Solution testing on dedicated cloud environment
		Third-party cloud providers for deployment
		SLA support

Partners



Agenzia di Sviluppo and Enterprise Europe Network

Enterprise Europe Network promotes the participation of SMEs in EU initiatives, helping improve their competitiveness.



JADS

Jheronimus Academy of Data Science (JADS) is a unique academy situated in the Netherlands. The partnership main focus is R&D and cooperation in European projects.



Sente

Sente works with international startups, global corporations and early-stage investors to innovate and scale industrial technologies, materials and business models.



Blockpool

The main strategic objective of Blockpool is to accelerate the cross-border uptake and deployment of Blockchain and other DLTs to European SMEs.



NGI Ontochain

The ONTOCHAIN project empowers internet innovators with a novel software ecosystem that can be used to build trustworthy applications with advanced knowledge management mechanisms in various domains.

Team



Fabiano Izzo

CEO & Founder

Fabiano is experienced in the following fields: software analysis, enterprise solution design, software development, solution testing and delivery, project management.



Lucio Menna

CTO & Founder

Lucio has extensive knowledge of the most used application servers, on AGILE methodologies, and on WEB technologies. Furthermore, Lucio is experienced with both permissioned and public blockchain solutions.



Damiano D'Amici

Head of Product & Founder

Damiano has extensive experience working with permissioned and public blockchain implementations and has been one of the key people behind the ideation and design of AKB.



Marco Ferretti

Business Developer & Analyst

Marco is experienced in digital marketing and growth hacking strategies. He has acquired analytical skills and knowledge on fundraising.

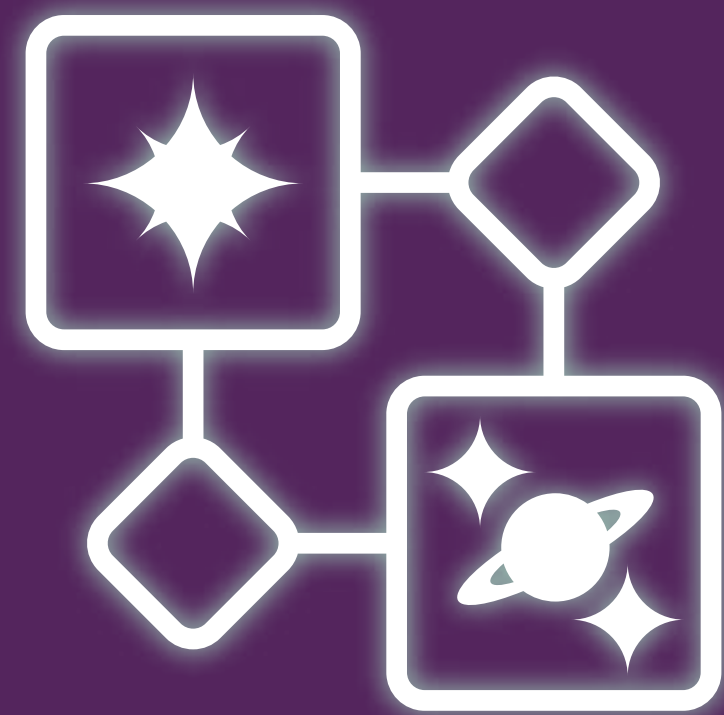


Luca Pizzola

Blockchain Developer

Luca has knowledge in blockchain applications fields, smart contract development, solution testing and delivery.





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