

Bosch Research

Economy of Things – Contributions to the community

Bosch, Ocean Protocol, represented by BigchainDB, and Fetch.ai have joined Catena-X, bringing their collective expertise in market, mechanism, and token design

Catena-X is an agile ecosystem of automotive industry stakeholders. All companies involved in Catena-X are working on concepts for establishing an open, scalable network for secure, cross-company and standardized information and data exchange in the automotive industry. The aim is to create uniform data and information flows throughout the automotive value chain. The cloud-based network is to be open to all companies in the European vehicle industry, along with their global partners, users and equipment suppliers.

Bosch, [BigchainDB](#) and [Fetch.ai](#) will contribute to Catena-X complementary areas of expertise in token-based ecosystems. They will all support the development of decentralized technologies and business models, as well as incentive systems within Catena-X. Dr. Nik Scharmann, Project Director “Economy of Things” at Bosch Research, will advance these causes as an elected member of the Catena-X advisory board. “I’m convinced that by establishing suitably organized marketplaces, along with payment and incentive systems, Europe’s diversity and individuality can be leveraged as strengths to provide an efficient and globally competitive basis for a value-based digital economy,” says Scharmann. “With so many strong partners implementing Catena-X, we will quickly create a competitive data ecosystem for the European automotive industry.”

Bosch: extensive industry expertise will be improved by harnessing EoT principles and mechanisms

Bosch is one of the founding members of Catena-X, which has been operating as an association in the founding phase since May 7 (Catena-X Automotive Network e.V.i.G.). As a leading IoT company, Bosch is researching into an Economy of Things (EoT). In the EoT, the economic aspect of interactions is added to the IoT. The company’s EoT project addresses the question of how networked devices can do business with each other for the benefit of citizens and businesses. With decades of experience in the automotive sector, Bosch also brings extensive industry expertise, which will be improved further by harnessing EoT principles and mechanisms.

Ocean Protocol: sustainable decentralized business models and incentive mechanisms

BigchainDB GmbH has joined Catena-X on behalf of Ocean Protocol, a decentralized data exchange protocol for data monetization. It will bring its expertise in Web 3.0 and implementing token-based ecosystems to the multi-stakeholder consortium-led project, along with its experience in building open-source communities. Ocean’s main focus will be on contributing to the working group tasked with developing sustainable decentralized business models and incentive mechanisms for the Catena-X network. BigchainDB founder Trent McConaghy says: “The automotive industry is shifting to a digital future. The digital economy is the data economy. At BigchainDB, we aim to empower organizations to create sustainable business models within this new data economy. We’re proud to contribute to Catena-X in this capacity, drawing on our years of experience in developing token-based ecosystems and decentralized business models. With the leading companies in the automotive space working together, we’re hopeful that

Catena-X will drive impactful and lasting change in the European landscape.” BigchainDB has been a Day 1 Member of the GAIA-X association, which is building a European cloud data infrastructure. Ocean contributes to developing a data infrastructure standard for Europe that prioritizes efficiency, security and trustworthiness.

Fetch.ai: technologies for agent-based “smart” clients, secure and private sharing of information, and base-layer blockchain infrastructure

Fetch.ai provides a framework for building and customizing decentralized, autonomous AI networks to carry out complex coordination tasks. Its vision is to connect digital and real-life economies to allow automation to change the way we use data. Fetch.ai brings expertise in multi-agent systems, artificial intelligence, advanced cryptography and decentralized machine learning to the Catena-X network. Its main focus will be to provide technologies for agent-based “smart” clients, secure and private sharing of information, and base-layer blockchain infrastructure. It will support next-generation data analytics through its CoLearn network, a decentralized information-sharing system that is deployed on blockchains and aggregates learning from multiple stakeholders. “Catena-X represents the evolution of the automotive industry as it works to prioritize the digital exchange of information in order to enable new data-driven business models,” said Maria Minaricova from Fetch.ai. “Fetch.ai is excited to be a part of a consortium that understands the fundamental changes happening within the industry, and looks forward to helping the ecosystem evolve and thrive.” BigchainDB and Fetch.ai are among the first blockchain-based Web3 companies to be welcomed into the alliance.

Find out more:

For more updates on the future development of Catena-X, follow the alliance on [LinkedIn](#) or visit its [website](#) (German only).

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