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FAIZOD.BLOCKCHAIN-GATEWAY

THE DIGITAL FUTURE FOR YOUR SIEMENS PLC MACHINE.

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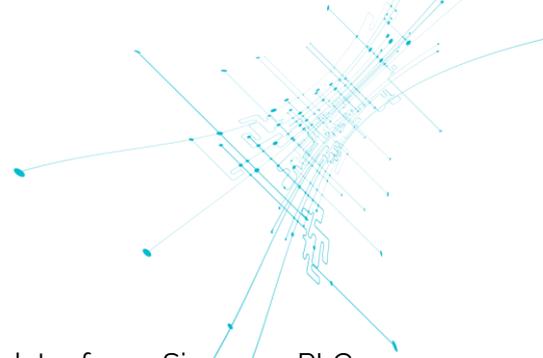
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What is faizod.Blockchain-Gateway?

faizod.Blockchain-Gateway simply and quickly transfers all data from Siemens PLC machines into a Blockchain. This allows Smart Contracts to be immediately linked to the resulting data. With this extension, every Siemens PLC-controlled machine is immediately integrated into the creation of digital value. faizod.Blockchain-Gateway is prepared to take on the challenge of adding value through Blockchain implementation. The faizod.Blockchain-Gateway supports all common implementations like Hyperledger, Ethereum and Vooledger.

How does faizod.Blockchain-Gateway work?

faizod.Blockchain-Gateway is a middleware and connects one or more clustered Siemens PLC machine controllers with one or a number of Blockchain implementation(s). The continuously occurring data during a production process are transformed by the middleware as required and provided as input data in the form of transactions to a Blockchain. For this, only the machine data available must be sorted and named. An extensive possibility for the transformation of different data formats is given and can be done by a simple, fast and flexible configuration. If necessary, several Blockchains can also be defined as the target.
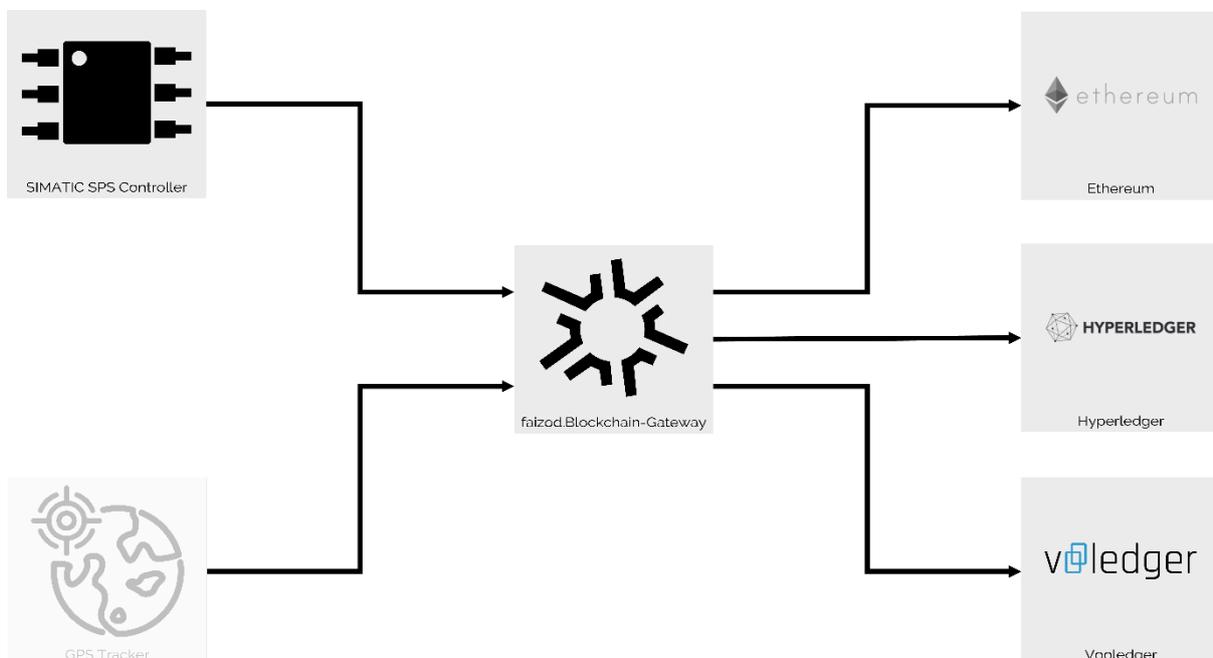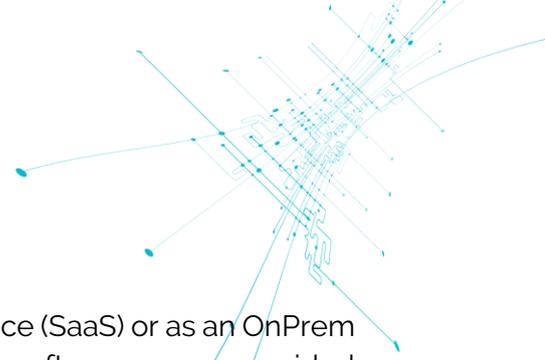
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How is faizod.Blockchain-Gateway available?

faizod.Blockchain-Gateway is available as a software-as-a-service (SaaS) or as an OnPrem model. OnPrem refers to an in-house installation as pure software on a provided infrastructure or on a Hutschen-PC available directly from us for the control cabinet.

## Possible use cases

Pay-per-Use

By using faizod.Blockchain-Gateway, billing models such as pay-per-use can be made possible for the first time in real time. To date, these models have mostly been based on an estimate as well as an elaborate retroactive allocation. With faizod.Blockchain-Gateway, you are enabled to create a real actual billing in real-time with payment, based on a cryptocurrency, for example Ethereum.

Machine monitoring

With the faizod.Blockchain-Gateway, a Siemens PLC-controlled machine can immediately act as part of a supply chain. Today's supply chains demand high information density, if possible the original data of a production process. Due to the direct connection with the machine, data loss and manipulation by manual processes are avoided. Within a certified production process, real, continuous quality control is thereby made possible for the first time.

Machine-to-machine communication (M2M)

With the implementation of machine-to-machine communication (MSM) as well as the ever-present predictive maintenance standards, it becomes all the more important to transfer the resulting data into a trustworthy data system. Blockchain technology is destined for this purpose. With faizod.Blockchain-Gateway, you can quickly and easily make predictions for wear and anticipate failures. By connecting your machine to a Blockchain, you can simplify existing processes and realize enormous gain.
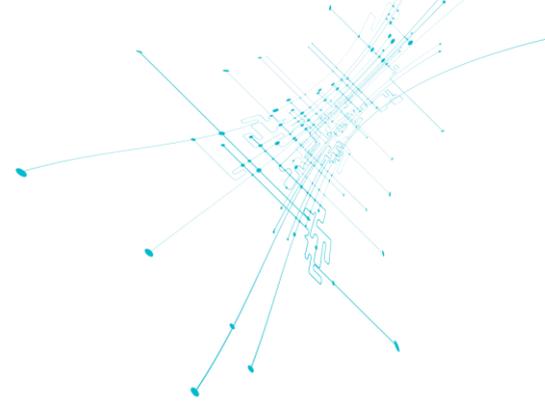
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faizod is a solution and service provider for Blockchain technology as well as modern enterprise software solutions. Professionalism, effectiveness, and innovation have always been the core competencies of faizod on software projects of all sizes and industries.

Our mission: To help companies of various sizes and sectors reach more!

Our vision: To keep software development at a top level!

faizod is an innovative leader for Blockchain technology. Our applications and services support customers worldwide by helping them conduct business profitably, adapt continuously, and grow sustainably.