The STRODAO onion

Fury.network
consensus system

Smart
Contracts

STROMDAO
Business Object

UI Components

Command Line Tools

Applications

STROMDAO open source software &
digital infrastructure offering.

Your Product

STROMDAO. Digital Energy Infrastructure.   kontakt@stromdao.com

STROMDAO is a digital infrastructure firm with a strong focus on the energy sector. We develop, maintain and help run the Fury Network, a boutique blockchain, that is geared towards facilitateing and enshrining any kind of energy market transaction. Actors in energy markets utilize the Network to establish and maintain irrevocable consensus on the complex flows of energy and money that are part of their day to day business interactions. In this capacity the Network acts as a single, decentralized market communication bus for settling and clearing energy transactions between the various market participants (producers, DSOs, retailers, consumers and everyone in between.)

Uses of the Fury Network Energy Blockchain
The Fury Network is ideally suited for new market entrants with decentralized, renewables driven business models, who often operate at the margins of traditional energy systems; and who strategically can not afford unilateral dependence on legacy utilities for gaining proper market access as well as other forms of vendor lock-in.

Applications
The Network currently supports various applications such as microgrids of all shapes and sizes, meter point operation and meter data management, distributed power production and storage (virtual plants / swarms), dynamic tariffs, traditional energy settlement and billing for retailers, capacity utilization billing for renewable assets (CUX), electric vehicle charging, autonomous energy management for IoT devices, rural electrification services, energy value management (value chain cascading) among others.

Smart Contracts and Open Source Software ecosystem
Out of the box the Fury Network is complemented by 30 or so smart contracts that encapsulate generic energy sector market logic,' that is being utilized/ shared by market actors throughout the network. Among these network native contracts are dozens of so called 'smart contract factories' that help network users mint their own pre configured and STROMDAO verified contracts, if need be.

In addition to the native and custom contracts, there exists a rich toolbox of open source software libraries, designed to facilitate integration of the blockchain backend into existing IT-Systems and business processes. The most prominent of these libraries is the STROMDAO Business Object on npm for integrating blockchain backed software components and applications into value adding products.

Blockchain Technology & Coverannce
The Fury Network itself is a coinless Proof of Authority (PoA) implementation of the Ethereum protocol. The main benefit of PoA is that there are zero transaction costs involved. Access to the network is unrestricted. Market participants may fire their transactions against STROMDAOs demo cluster of nodes, available at https://fury.network/rpc or deploy their own network node. No sign up required. No questions asked. The process of qualifying to became a network authority that shares the responsibility of validating transactions is straightforward and transparent. Submit your authorisation request here: https://github.com/energychain/stromdao-node/issues.

Offering
STROMDAO's core technologies are 100 % open source. This is a network, not a platform. No vendor lock-in. On the commercial side STROMDAO currently offers bespoke products and services across four domains:

1. *Digital Infrastructue*: deploying, safeguarding and maintaining the underlying (blockchain) technologies on behalf of clients, includes 'zero-touch' configuration and hosting of blockchain clients and life cycle management for smart contracts.
2. Consulting: Supporting organizations in their efforts to explore and capture the full potential of distributed ledger technologies in context of their business models; help clients create and maintain the technologies, business processes and organizational conditions in order to derive maximum value from blockchain infrastructure.
3. Application development: Working in tandem with client teams to design, build, test and launch value adding products and programs.
4. Training - implementing a structured and systematic transfer of knowhow, tools and best practices, support clients and partners to evolve the organizational capabilities to embed, utilize and advance blockchain backed technologies and practices throughout the day to day operations of their business.

Contact   kontakt@stromdao.com

Web   https://www.stromdao.com
                https://fury.network
                https://www.stromkonto.net
                https://autostrom.stromdao.com

GitHub   https://github.com/energychain