

Exploring Blockchain Technology

with Streamr and Blocxs

Michael van der Veeken (OSIsoft)

Johan Mulder (Blocxs)

Henri Pihkala (Streamr)









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Topics

Exploring blockchain applications

Blockchain essentials

Streamr - data sharing and monetization

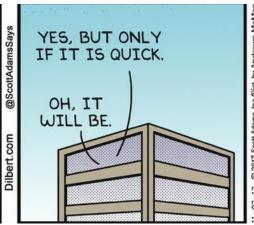
Blocxs - bridging real-world use cases and blockchain

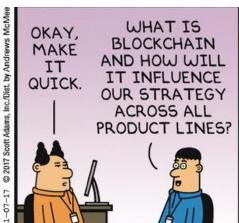
Questions & Discussion



Blockchain essentials



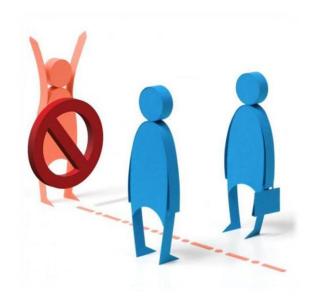




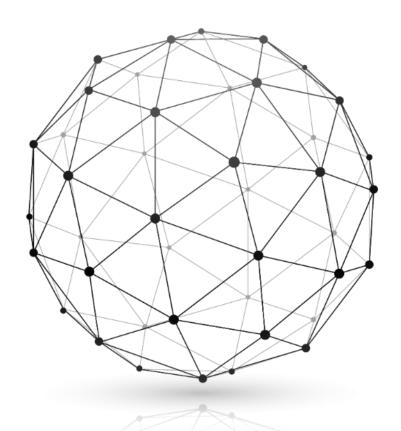


Trust the system

Remove intermediaries from the value exchange process









Decentralized



Censorship resistant



Robustness



Distributed trust



Immutable



Blockchains by themselves are a far less efficient computer and database than technology that has existed for over 40 years...

- Vitalik Buterin, co-founder Ethereum

SISOft.

PIWORID RAPCELONA 2018



Asset lifecycle and history

Parts history

Maintenance/repair history

Events

Transfer of ownership



Supply chain

Ingredients

Manufacturers

Trackability / Traceability

Temperature controlled supply chains



Data

Provenance / Quality

Ownership

Monetization





Henri Pihkala, CEO





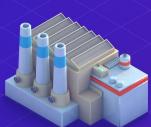






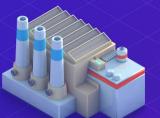














Total = Internal + External































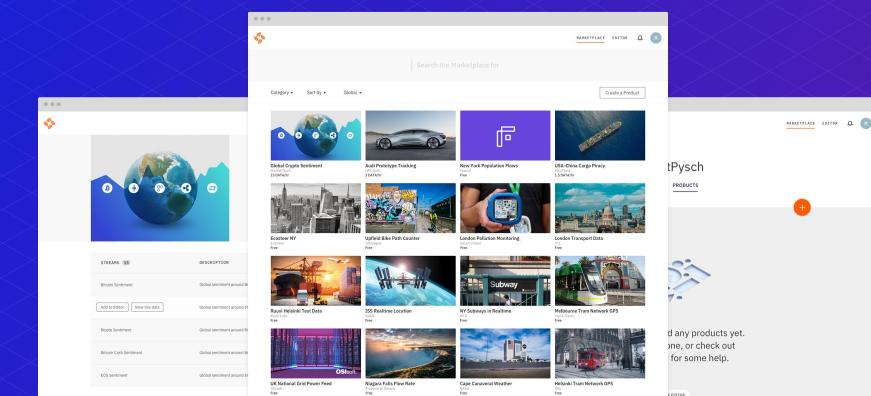








Streamr Marketplace







Connected Cars









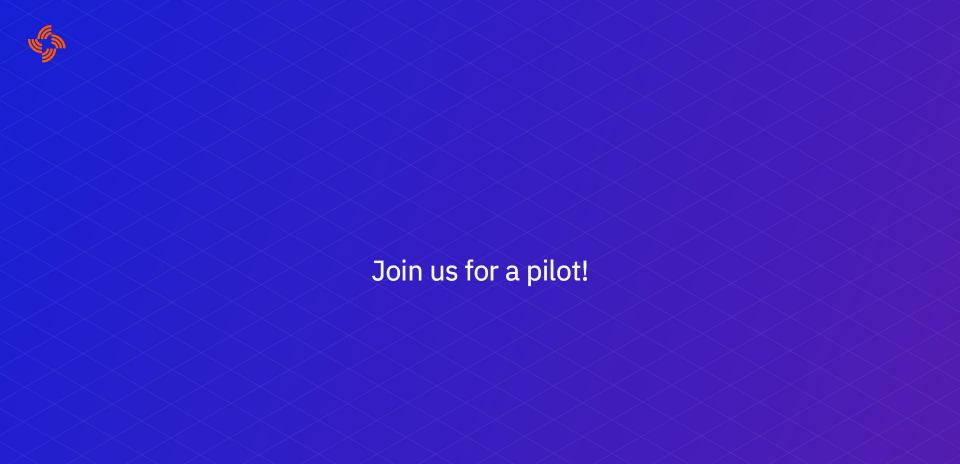


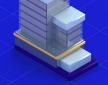
























streamr.com



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Johan Mulder, co-founder





- Startup founded in 2017 by Peter, Marco and Johan
- Use-case first approach to enable blockchains for businesses
- Blocxs Blockchain Integrator
- One-stop shop for complete end-to-end integrations
- Consultancy, support and maintenance







Marco

Johan

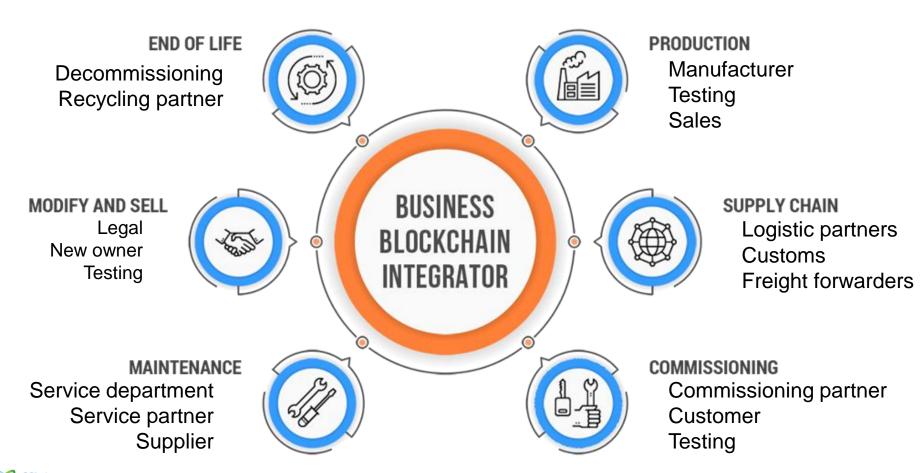
Peter



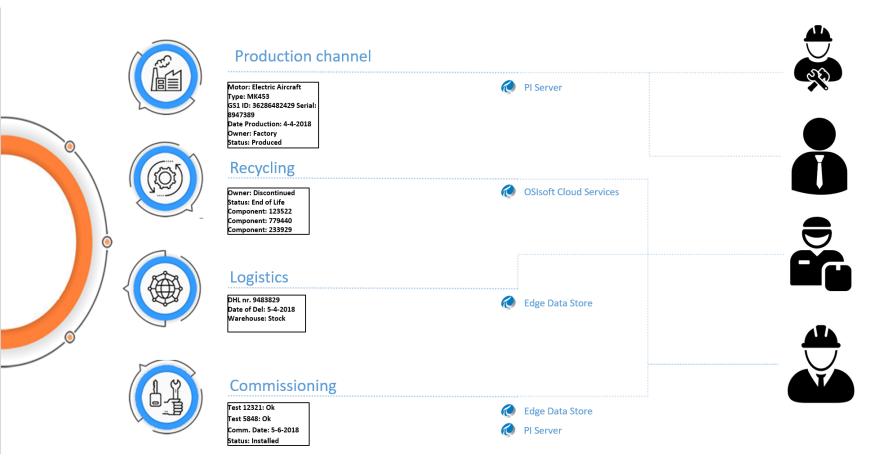
HYPERLEDGER

- Blocxs Blockchain Integrator uses Hyperledger as backend
- Permissioned Distributed Ledger Technology based on blockchain
- Developed, maintained and supported by IBM and Intel
- Hyperledger toolset to run blockchain implementations for customers on a global scale
- Maintained by the open source community under the Linux Foundation to ensure a community-effect on solving bugs and other issues.











- Numerous business cases for applying blockchain technology
- Focus on OSIsoft community
- Integration between OSIsoft and blockchain
 - Trust the system
 - Share, enrich, validate, sell and buy data
 - Where's the added value?
- PI World San Francisco 2018 demo video's
- What's next?



- **?** How could blockchain apply to your industry?
- **?** What blockchain projects or proof of concepts have already started in your organization?
- **?** How could blockchain be applied in the PI System?
- **?** What would the best way be for us to engage?



Questions?

Please wait for the **microphone**

State your name & company

Please rate this session in the mobile app!





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БЛАГОДАРЯ

ТИ БЛАГОДАРАМ

TAK DANKE \$\frac{1}{2}\$

MERCI

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OSIsoft.

MULŢUMESC

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ΕΥΧΑΡΙΣΤΩ GRATIAS TIBI **DANK JE**

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CẨM ƠN BẠN

ありがとうございました
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UA TSAUG RAU KOJ
ТИ БЛАГОДАРАМ
СИПОС

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