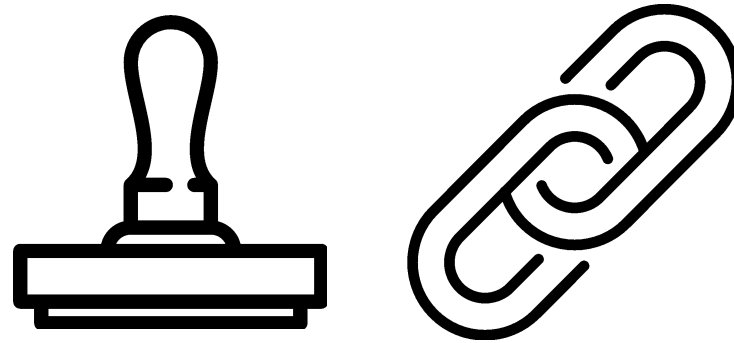




Smart Contracts

Jörgen Modin

The two building blocks of smart contracts



- Digital signatures
- The blockchain

What does the blockchain do?



- One timestamp, and one context for each signature
- You can detect if someone is promising the same things, or conflicting things to multiple persons
- You can establish consensus about the order of signatures

Swedish Land Registry & Blockchain project

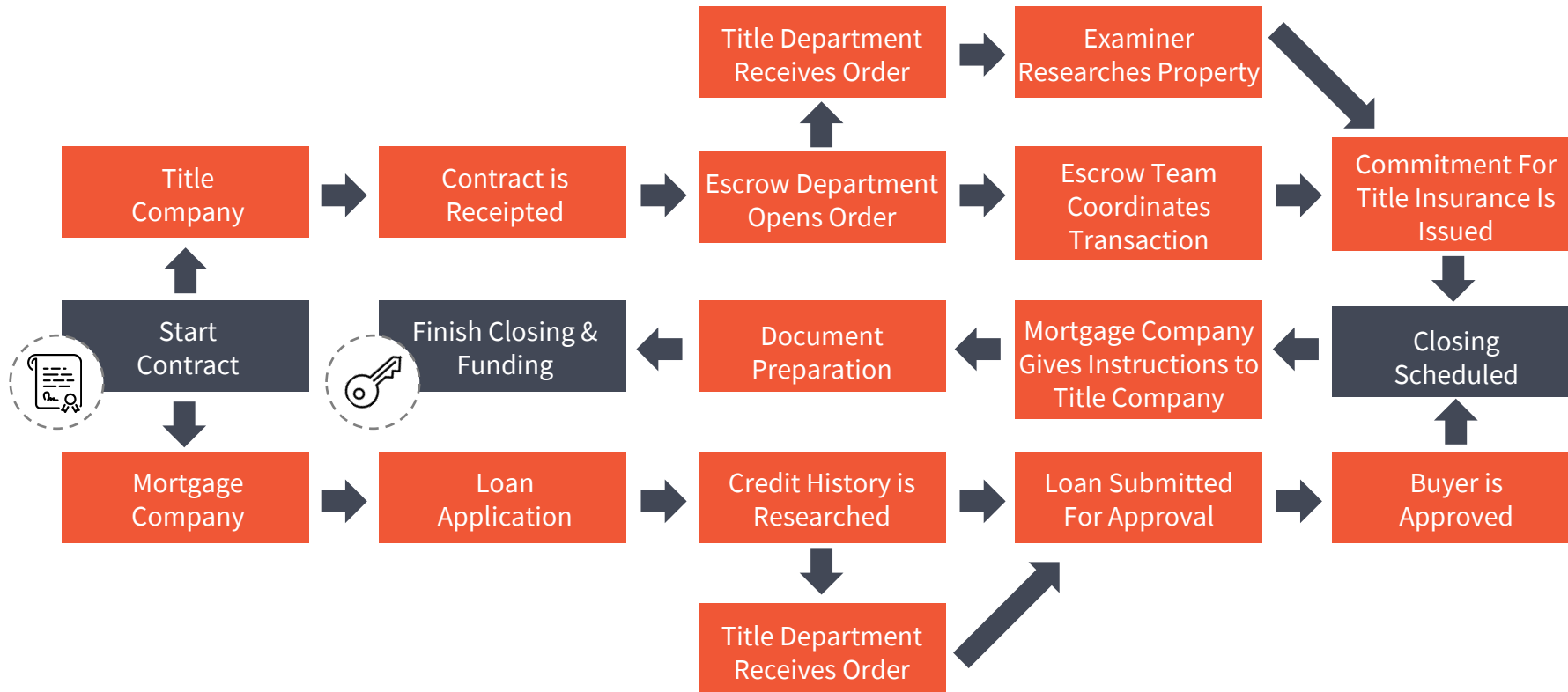


Real Estate

Create a digital process of a property transaction with an immutable history:

- Increase auditability/reduce fraud
- Fast transaction speed
- Less manual work
- Allows private information that can be retrospectively revealed/proven
- Prevent corruption

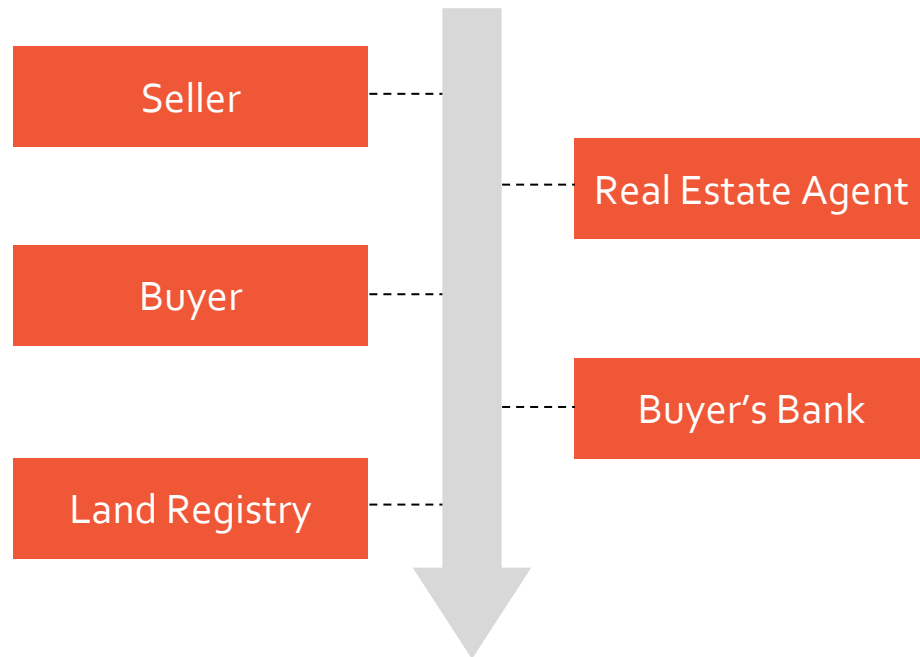
The problem with real estate



“The reason that we are looking at this particular technology is that it’s very secure at the same time as it supports processes in several different ways and provides transparency. Being able to assign pending title deed is also something of value for all parties. Everyone will benefit from this.”

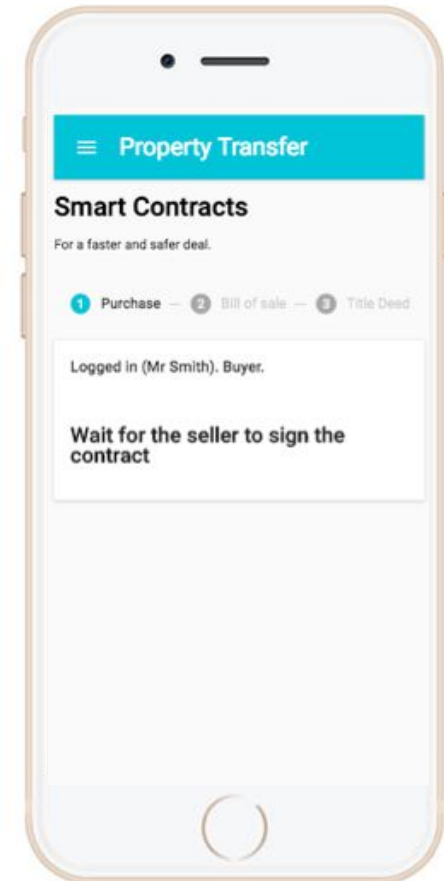
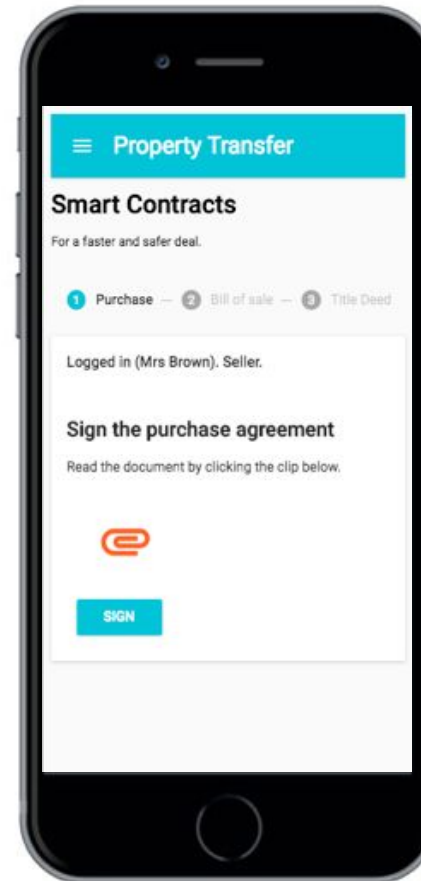
(Mats Snäll, Head of Development of Real Estate Registration, at the Swedish Land Registry)

Decentralized real estate (Lantmäteriet)



Time reduced from **months** to **hours**

Large **reduction of fraud**





Jörgen Modin

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