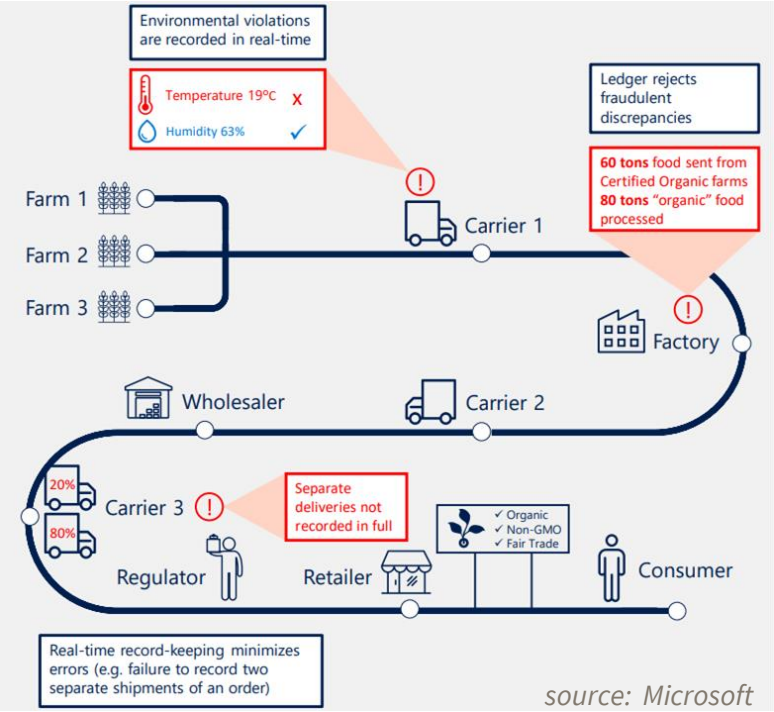
Accelerate the adoption of blockchain

Smartys: An interactive smart contract demo

Experience automatic dispute resolution of temperature-controlled transports



source: Microsoft

Automated dispute resolution

Blockchain combines the possibility to create decentral smart contract, sign with digital signatures and transfer value using tokens.

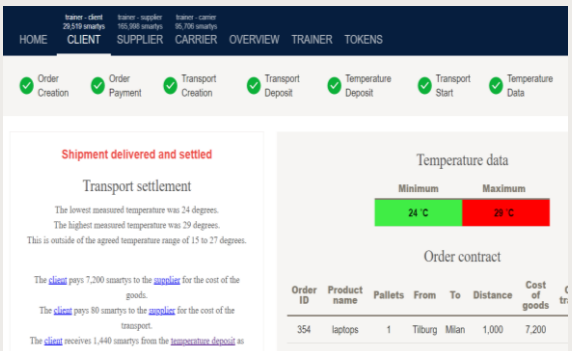
If you add real-world sensor data, you can automate the resolution of disputes during transport or other types of agreements.

Experience this in a Smartys workshop and get inspired to find similar use cases in your own organization to take out administrative waste.

Smart contract captures conditions and settles outcome

Set conditions in a smart contract

The specific contract conditions are stored in a smart contract and signed off with a digital signature by the participants using their blockchain wallet.
Conditional payments are done using Smartys tokens that represent a stablecoin Euro.



Smart and data driven logistics

A variety of sensors can be used to capture transport data, like temperature, acceleration, humidity.
The sensor is linked to the transport contract and upon completion of the transport the data is used for settlement.
Smartys uses Roambee's Modum sensors to engage in realistic tests.

Blokko: Serious gaming for Supply Chain

Blockchain project for Breda University of Applied Sciences

Experience logistics and blockchain

Students will test their planning and communication skills in this logistics simulation game.

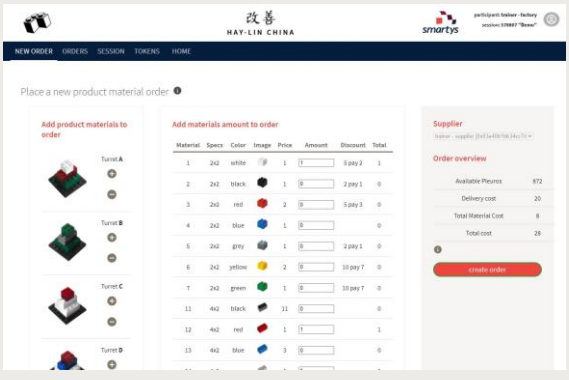
Smartys added the extra dimensions of digitalization, IOT and blockchain to the game.

Blockchain makes it possible to combine online payments, digital signatures and settlement of transport conditions without the need of a trusted third party.

Smartys added online shop and time conditioned transport

Payment with custom Ethereum tokens

Material can be ordered online. The students are automatically supplied with a limited number of tokens that they can use to payment.



Smart contract settles payments

Upon arrival of the goods the QR code on the container is scanned and the factory signs a digital transaction that confirms delivery of the goods. The smart contract automatically checks the conditions and settles the payment of the goods and the transport.

IsItCopernicus.art: Explore the creation of digital value

Experience the creation and value of non-fungible tokens on the Smartys platform

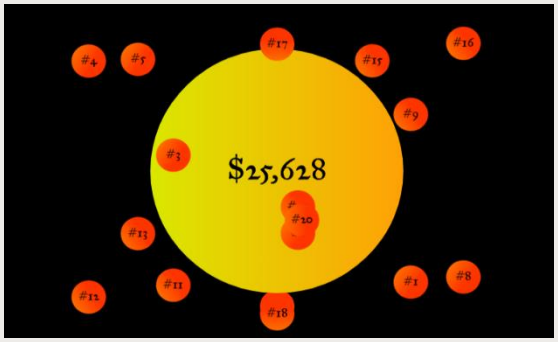
The value of Non Fungible Tokens

IsItCopernicus materializes the ownership of digital value inside a glass art object. Inside the object a small computer is captured that was used to create a wallet.
From that wallet a non-fungible token contract was deployed that created the shared ownership NFT's of the art object.
As the private key is also locked in this computer, no-one can transfer value out of the wallet without breaking the glass of the boll in order to get this key.
Smartys has duplicated this process so you can experience this yourselves and possibly create your own key vault.

Smart contracts regulate the ownership of value

A secret wallet locked inside the glass boll collects digital value

A smart contract stores value inside the wallet and people can send value (Ether or tokens) to the wallet. On the isitcopernicus.art website the aggregated value is displayed. The value is shared with 21 token holders.

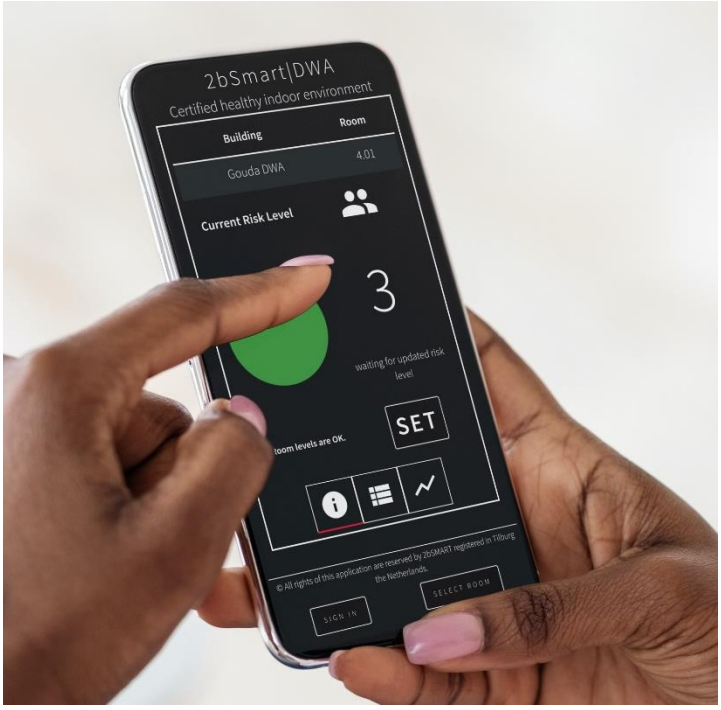


Smartys deploys IsItCopernicus clones

A special IsItCopernicus module is to demonstrate the creation process, let participants experience this process and possibly create your own project. This includes the creation of your own token and deploy it on a public exchange (OpenSea).

Safe2Office: Trust in a healthy work environment

Blockchain proof-of-concept with DWA, funded by BlockStart



Indoor climate monitoring

Prevent COVID infections from person to person through indoor climate in buildings.

Combines knowledge of indoor climate risk models and data integrity protocols using blockchain technology.

Live assessment of the risk of contamination

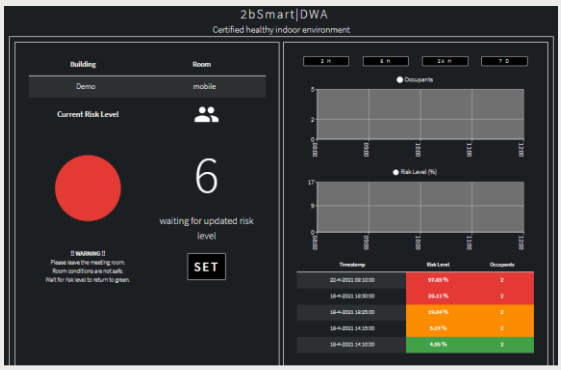
Easy to apply everywhere

100% user verifiable data

Smartys created user interface and added trust to data

Risk taxation monitor

CO2 levels, room volume, occupants and other variables are captured and used to calculate the risk for contamination. A traffic light in the app indicates if the room is safe to use.



Trusted data

The sensor data and the risk taxation is stored on IPFS and hashed on Ethereum to guarantee its integrity.

Video on demand: A portable blockchain demo case

Blockchain proof-of-concept for Ziggo/Vodafone, project of Xurux

Video on demand

Demo suitcase with 4 nodes and visual data flow

Peer to peer distribution of video content

Pay per view with crypto

Rewards for uploading and distribution of content

Blockchain provides distribution and payment

Portable blockchain demo

Peer to peer distribution of content is enabled by a private IPFS network.
Payments and rewards are managed by blockchain tokens on a private Ethereum network
Traffic between the nodes on the corners of the suitcase are visualized with LEDs.
Content can be added by producers and consumers.
Rewards are managed with smart contracts and stored in a wallet.

Disclaimer: The project was executed by Xurux. Smartys is based on the same technology components used in this demo and is created by members of the core team of this project.