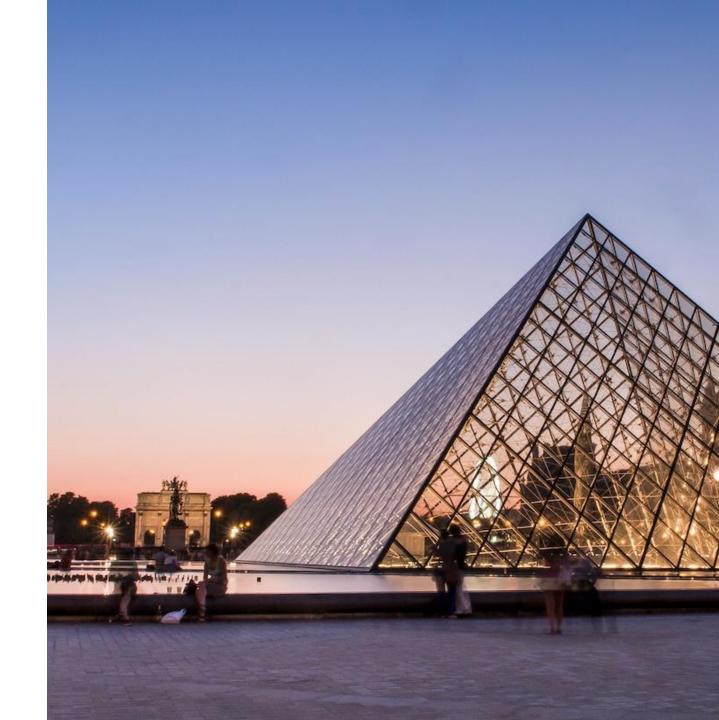
## Physical Asset Tokenisation

opus.

EACH TOKEN A MASTERPIECE





**Oliver Keller** 

Master Student MLaw University of Basel



#### **Dominique Ostermayer**

Bachelor Student BSc Mathematics University of Basel



### **Dario Thürkauf**

Bachelor Student BA Business & Economics University of Basel

# **BearingPoint**<sub>®</sub>



### Investing in real-world art is cumbersome.



High minimum investment



Complex



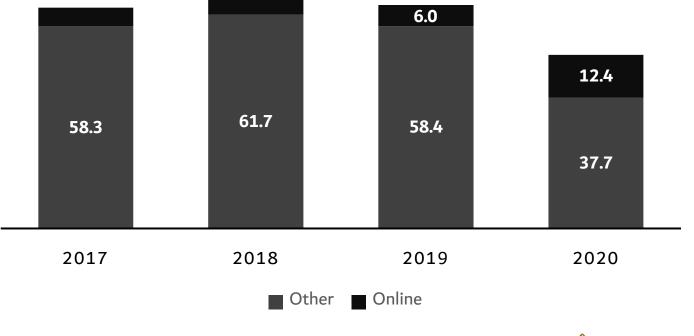
Long processing times

High transaction costs



#### **Total Sales Art & Antiques (Billion USD)**

"One of the key challenges consistently identified by dealers over recent years has been finding new buyers."



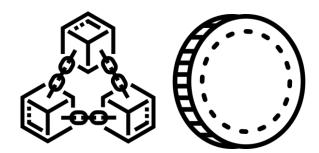


(Source: McAndrew, 2021, p. 32, 74 & 213)

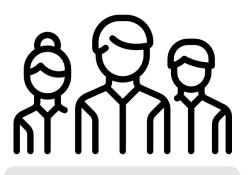




Artwork & Museum



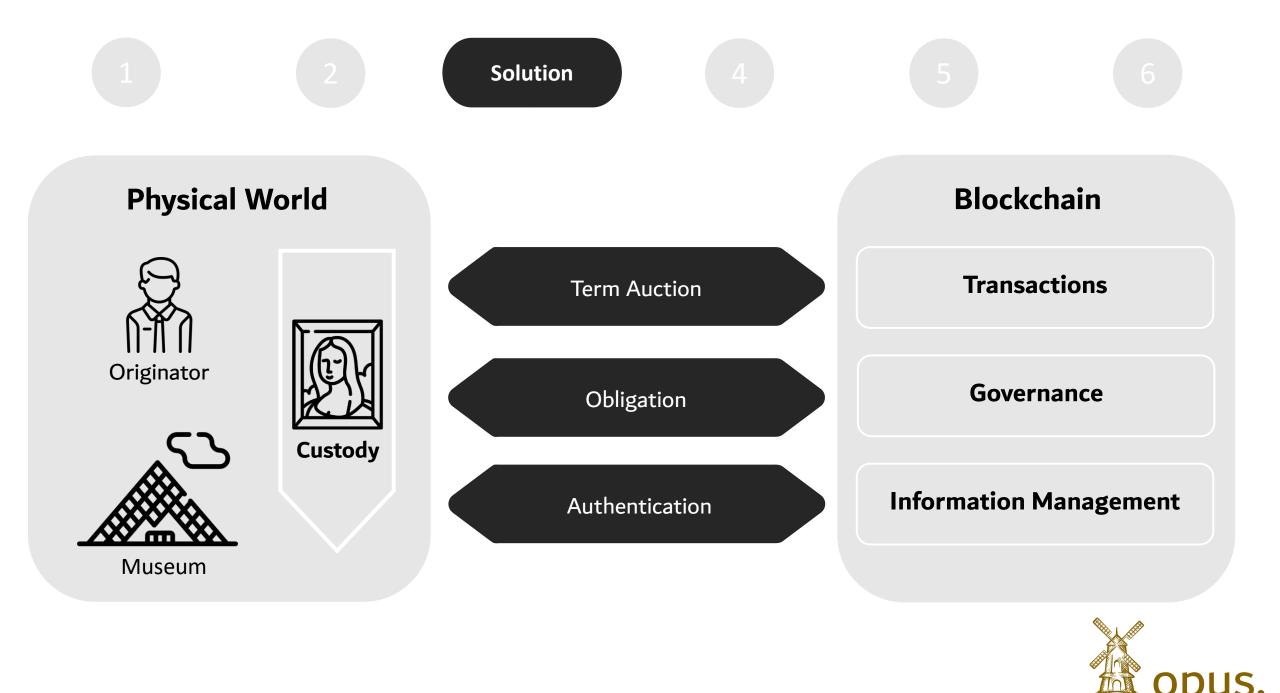
Blockchain & Token Standard



Investors

Authentication Custody Tokenisation Fractionalisation Primary Issuance Secondary Market

















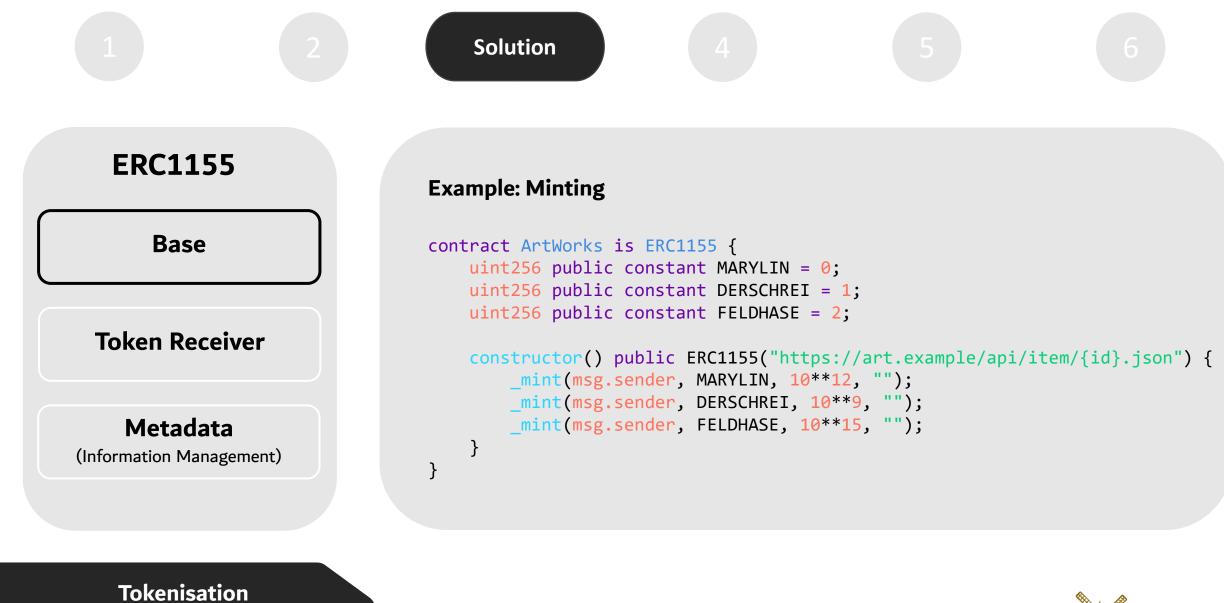
### **Key Properties**

Supports multiple token types: Fungible, non-fungible and semi-fungible

Each token ID can represent a new configurable token type, which may have its **own supply, meta data** and other attributes.

Tokenisation Fractionalisation





Fractionalisation



## 1 2





### 5



```
"name": "Marilyn Monroe",
"description": «oil on canvas",
"image": "https://www.moma.org/collection/works/61240",
"properties": {
         "custodian":{
                  "name": "Museum of Modern Art",
                  "location": "40.7616°N 73.9776°W",
                  "address": "11 West 53rd Street, Manhattan, New York",
                  "country": "United States of America",
          "provenance":{
                  "event": "creation",
                  "date": "1967",
                  "party": "Andy Warhol",
                  "notes": "",
```

Tokenisation Fractionalisation

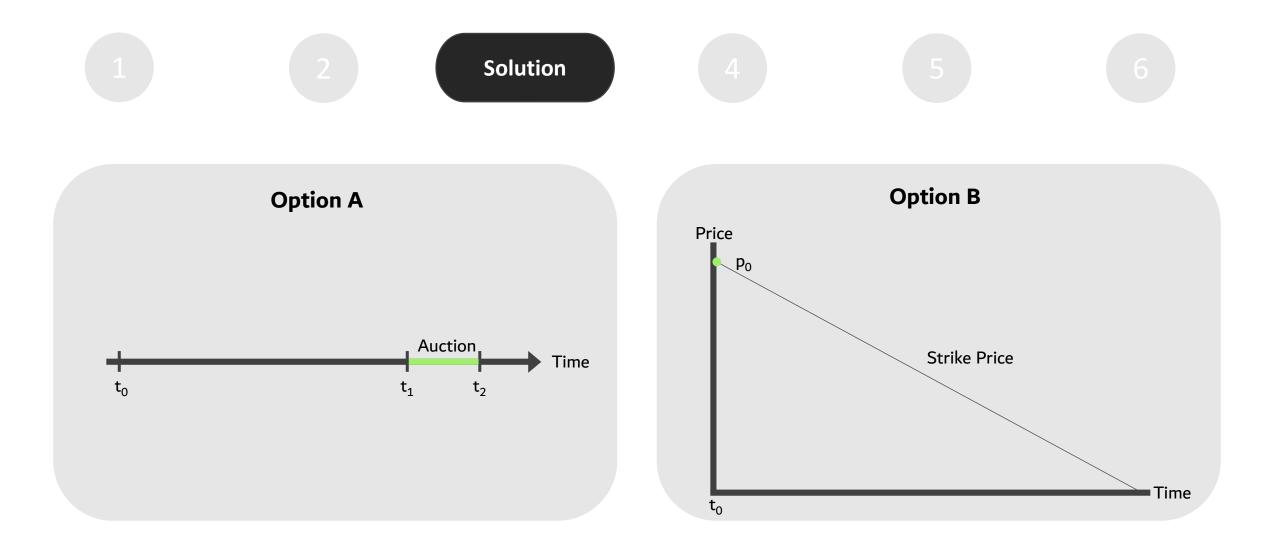




### What is the value of the token without ability to purchase the underlying artwork?

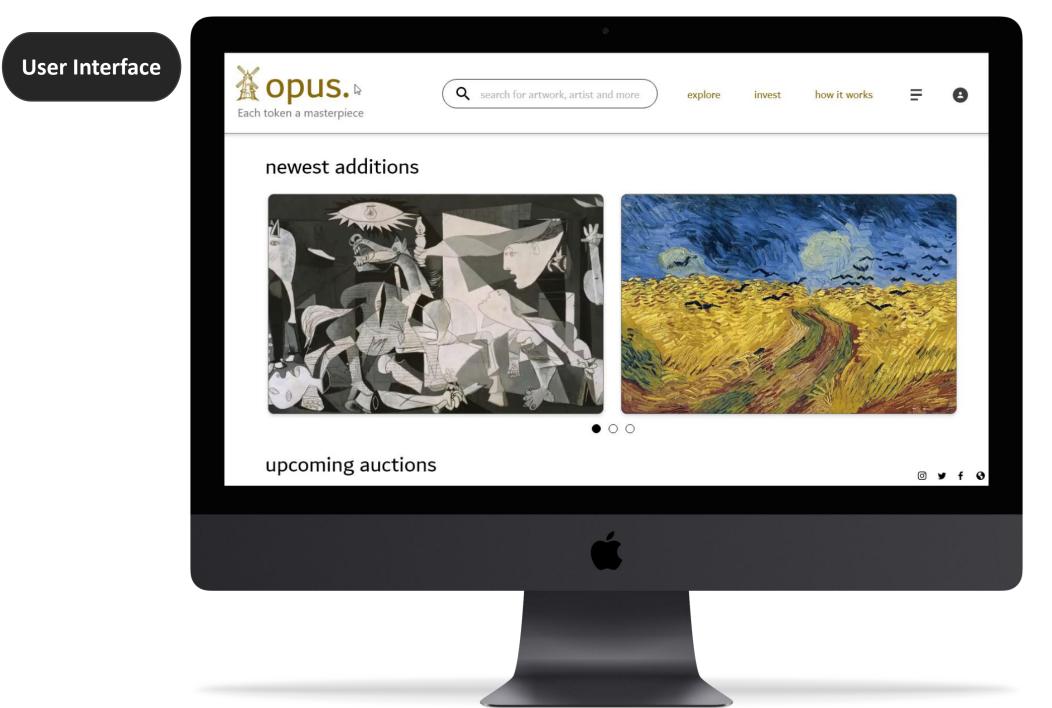
Primary Issuance Secondary Market



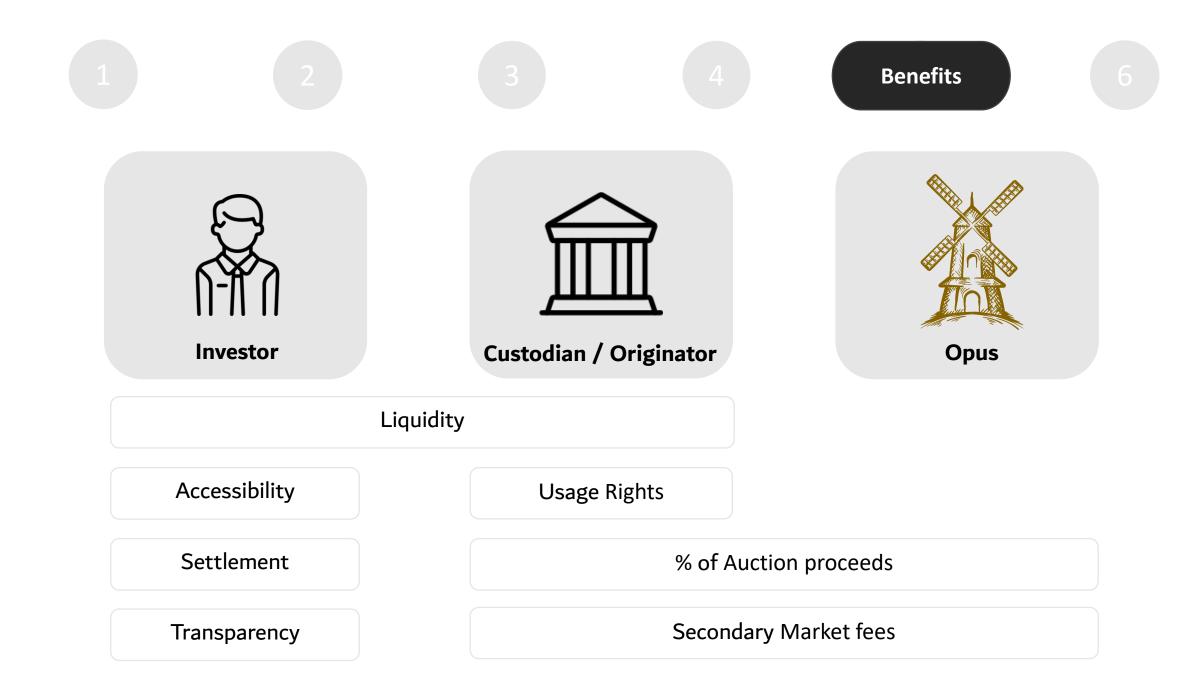


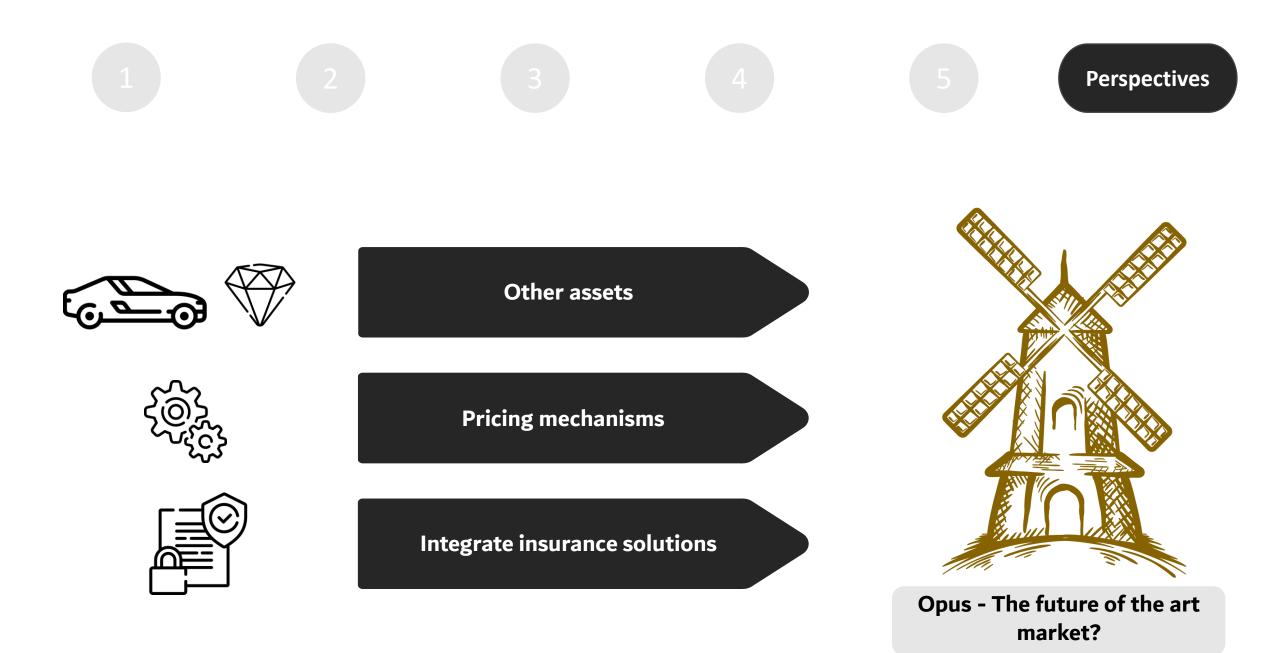
Primary Issuance Secondary Market











# Thank you for your attention.

### **BearingPoint**.



University of Basel

BLOCKCHAIN Challenge Center for Innovative Finance



### McAndrew, Clare (2021). The Art Market 2021 – An Art Basel & UBS Report. https://d2u3kfwd92fzu7.cloudfront.net/The Art Market 2021.pdf

Radomsky, W., Cooke, A., Castonguay, P., Therien, J., Binet, E. and Sandford, R. (2018). *EIP-1155: ERC-1155 Multi Token Standard*. <u>https://eips.ethereum.org/EIPS/eip-1155</u>

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