4ARTechnologies

DIGITAL ART MARKET TOOLS

TECHNOLOGIES

CONTENTS

HIGHLIGHTS

4ARTechnologies is offering the world's most advanced and complete ecosystem to digitize and handle artworks

A full suite of complementary features is available within the 4ART App family

Physical artworks are digitized and permanently secured with the patented 4ART digital fingerprint

The 4ART enabled NFT+ offers easy creation, high security and unprecedented enjoyment for the owner or the whole world

4ARTechnologies is supported by a number of bluechip cooperation partners from the artworld, logistics and insurance

www.4art-technologies.com

THE 4ART ECOSYSTEM

CORE TECHNOLOGIES
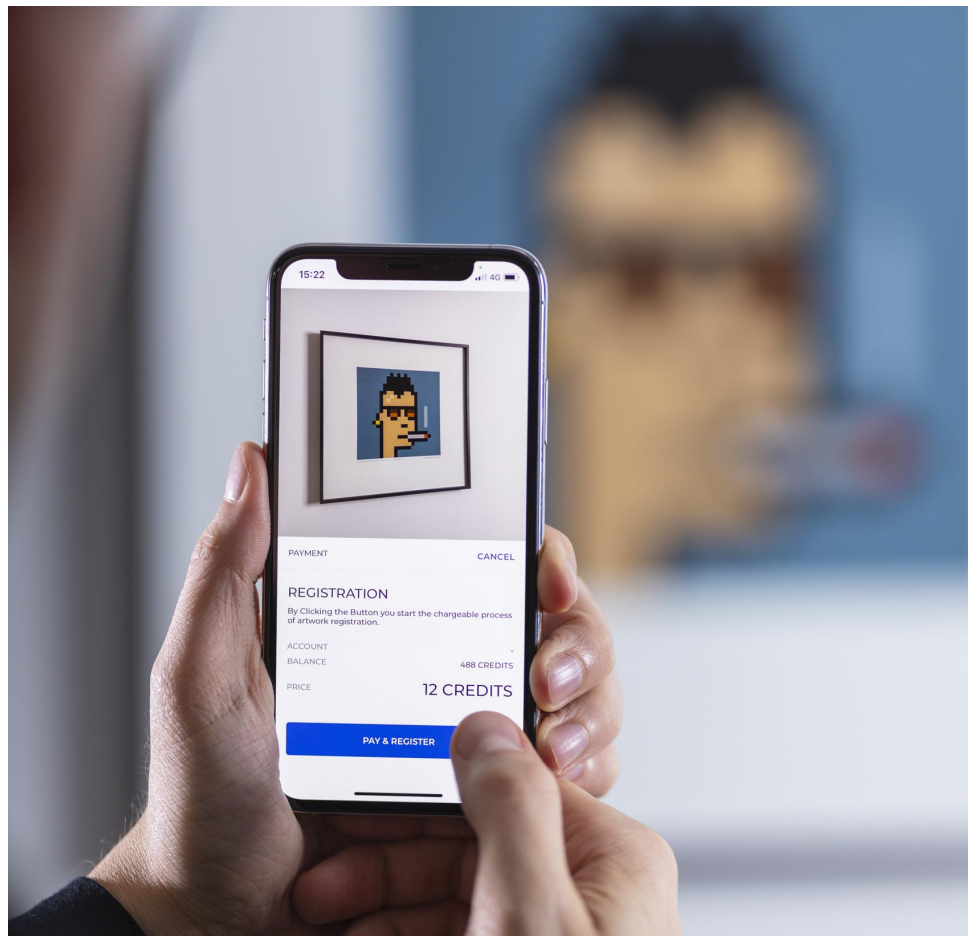
Patented Augmented-Authentication-Technology

- Digital Fingerprint
- Biometric Passport
- Digital Condition Reports
- Digital Certificates

Blockchain Technology

- Tamper-Proof Redundancy
- Limitless and Secure Transferability of all Certificates and Information
- Complete Track & Trace
- Digital Smart Contracts

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DIGITAL ART MARKET TOOLS

4ARTapp

Digital all-in-one solution synergizing modular, interconnected tools

Free Download and Registration
Simple Pay-per-Use Payment Model

First iOS Release in April 2020
First Android Release March 2021

The only available solution to offer a permanent link between physical object and digital information

The only ecosystem combining physical and digital artworks
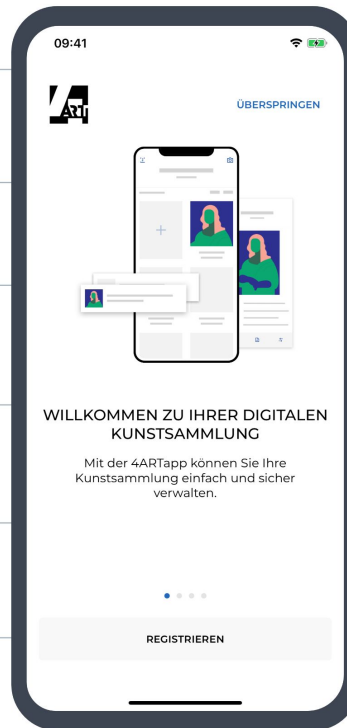
BIOMETRIC
ARTWORK PASSPORT

WORK
IDENTIFICATION

POSSESSION
RECORDS

ARTWORK
AUTHENTICATION

DIGITAL
FINGERPRINT

DIGITAL
PROTOCOLS

VIRTUAL REALITY
SHOWROOMS

ON-SPOT
CONDITION REPORT

ARTWORK
INSURANCE

TRANSPORT
TRACK & TRACE

ARTWORK
LOAN

TRANSFER
OF OWNERSHIP

09:41

ÜBERSPRINGEN

WILLKOMMEN ZU IHRER DIGITALEN
KUNSTSAMMLUNG

Mit der 4ARTapp können Sie Ihre
Kunstsammlung einfach und sicher
verwalten.

REGISTRIEREN

CORE FEATURES

Fingerprint
Reads the "Visible Nanoparticle-Structure" (VNS) and creates the digital fingerprint
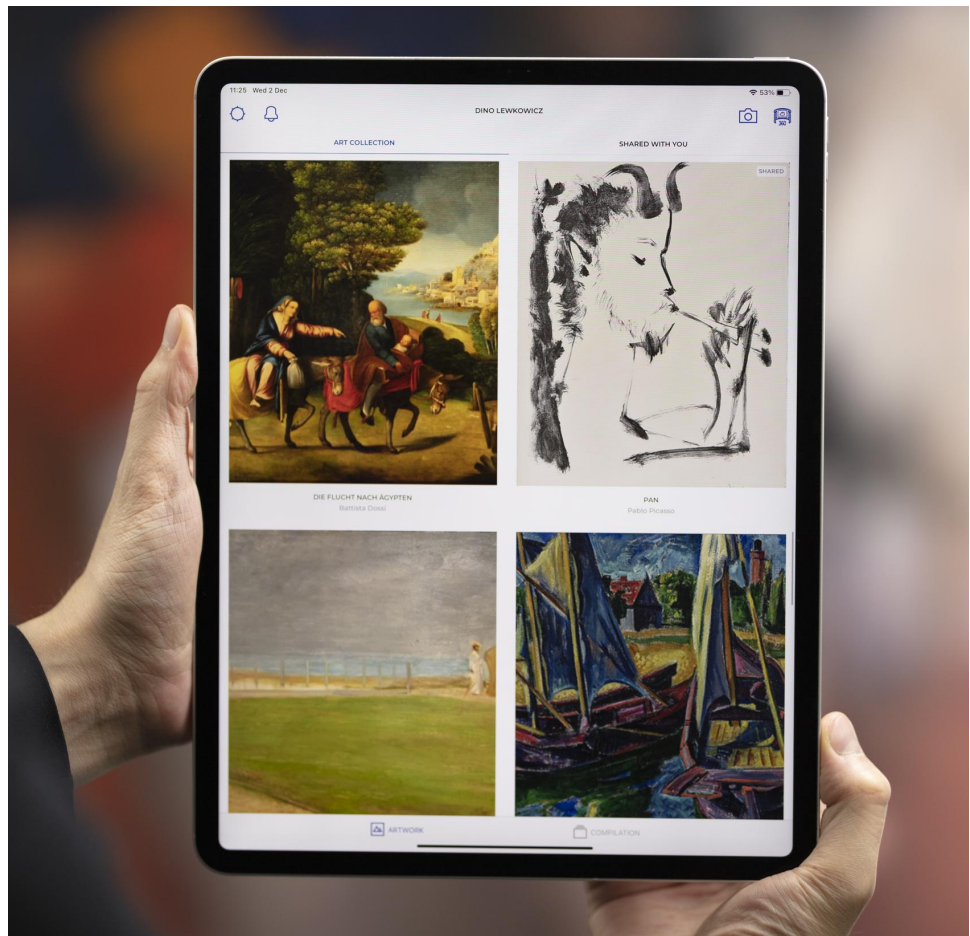
Biometric Passport
The biometric 4ARTpassport is created by merging the digital birth certificate with the digital fingerprint and secured on the Blockchain

Digital Protocols
Transfer of ownership and / or property rights and their non-manipulable verification on the Blockchain, confirmed with a digital handshake

FINGERPRINT VERIFICATION

Registered artworks are identified in less than 1 minute

- The user is guided to each fingerprint
- Fingerprints are pinned using Augmented Reality
- Up to 3 fingerprints may be scanned to ensure the highest outcome certainty
- Even seemingly indistinguishable serial prints are uniquely identified
- Structural differences are highlighted in red for additional feedback

**The artwork itself permanently links the physical work to its digital twin**

Click on the image to start the video

CORE FEATURES

Condition Reports

Condition reports are among the most requested operations of the commercial and cultural art world. They can be created in highest nanoparticle structure resolution with almost any standard smartphone, and their documentation can be secured additionally on the Blockchain.

Obvious visible changes discovered by the user are recorded in seconds. Smaller changes, even dust particles, are analyzed digitally and highlighted automatically for the complete artwork.
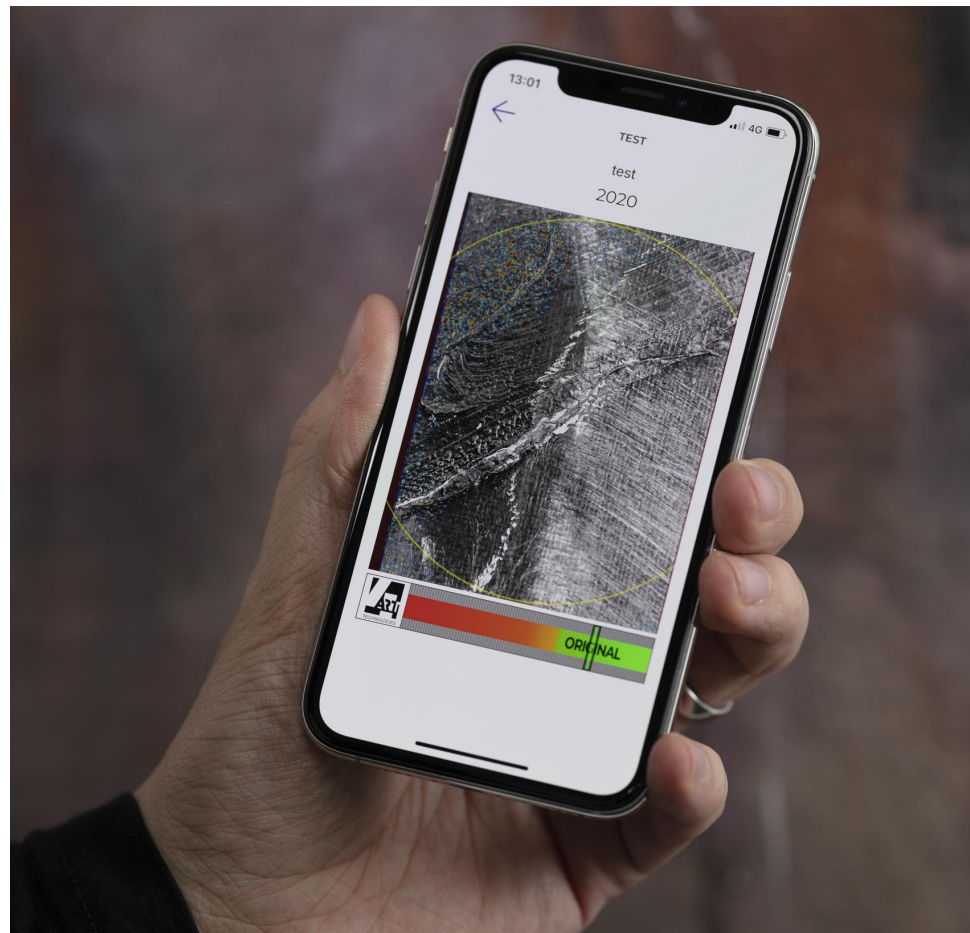
ON-SPOT CONDITION COMPARISON

Physical damage registration takes 10 to 15 seconds for each area

On-Spot Condition Comparisons are automatically matched to their placement on the artwork

Recently registered damages can be compared to the original or any other previously registered state

Overlay comparisons and different filter types are available to track damage progression

No expensive expertise required and all data can be documented and shared immediately and automatically

Click on the image to start the video

CONDITION REPORTS

VCC - Visual Condition Check

Manual visual inspection of the artwork and documentation of findings. With an unlimited number of findings and close ups of findings.

CR - Condition Report

Manual inspection of the artwork combined with on-spot and manual reporting of unlimited number of findings and close ups.

PCR - Professional Condition Report

Manual or automated inspection of the complete artworks surface. Number of Findings and closeups is unlimited.

Click on the image to start the video

INSURANCE

The Pilot Offer

Munich Re, Ergo Insurance and AON as innovative
insurance partners

Up to EUR 10.000 & 3 months coverage
for all artworks sold in primary market
by galleries in D / A / CH region
to collectors in EWR region. Can be expanded
worldwide to meet demand

Damages submitted by the beneficiary
are documented and transmitted
with the Condition Spot Check
and the 4ARTapp

Munich RE ERGO AON

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4ART
TECHNOLOGIES

Integrated Virtual Reality Showrooms

Experience artworks anytime, anywhere
- No additional costs
- No additional setup
- Share with others
- Contact artist or owner
- Virtuals shows & exhibitions

Combine physical and digital artworks
for next-gen exhibitions, allows users to show
their NFT purchases and digital collection to
the global art community

*Do more than just own it privately
- Show it to the world!*

Click on the image to start the video

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4ART LOGISTIC APP

Professional platform for carriers

- Precise tracking of artworks
- Works with carrier handover
- Condition reports
- Supports Airfreight, vessels, trains & trucks
- Simple reporting and communication with artwork owners
- Artworks are updated automatically

The logistic platform is linked to the art platform and therefore condition reports or changes are directly available to owners

Click on the image to start the video

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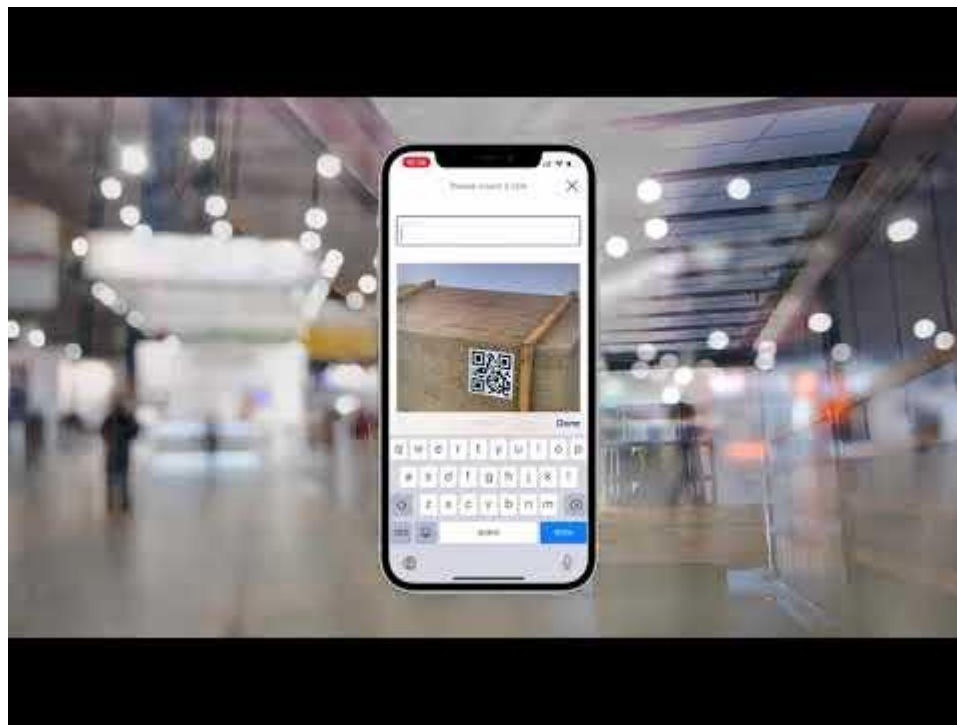
USE CASES

Artist

Work Catalogue
Promotion Tool

- Secures Originality
- Secures Copyright
- Creates Catalogue Raisonné
- Reaches Global Audience in VR

Gallerist

Innovative Services
Customer Tools

- Innovative Product
- Additional Revenues
- Management Tool for Customers
- Secures Originality and Condition

Museum

Condition Reports
Art Management

- Collection Track&Trace
- Process Optimization through Digitization
- Condition Reporting
- Integrated Audioguide and Showrooms

Collector

Fingerprint
Artwork Passport

- Simple Collection Management
- Secures Ownership
- Secures Originality
- Financial Security with detailed Provenance

USE CASES

Exhibition

Track & Trace
Controlled WOB

- Full Track & Trace of all Movements
- Fast Artwork Verification
- Local Condition Reporting

Logistics

Logistics Docs.
Condition Reports

- Full Employee Control and Authorization
- Digital Customs Forms
- Fast Condition Reports
- Full Track & Trace of all Movements

Insurance

Condition Reports
Digital Reporting

- Decentralized Condition Reporting
- Direct Client Contact
- Lean Structures
- Detailed Data for Risk Assessment

Plattform

Fingerprint
Artwork Passport

- Demonstrable Originality for Buyer
- Transaction Processing
- Global Audience in VR
- Full Track & Trace of History

The 4ART NON FUNGIBLE TOKEN PLUS

NFT+

NFT BASICS

DIGITAL UNIQUENESS GUARANTEED WITH THE BLOCKCHAIN.

Non-fungible tokens (NFTs) are digital assets based on blockchain technology. Each NFT represents a unique digital object - an artifact in a game, a piece of digital art, or even a virtual property in a virtual world. Historically, most NFTs have been built on Ethereum, with some of the newer NFTs using other blockchains.

The main characteristic of an NFT is its uniqueness. Unlike cryptocurrencies, NFTs cannot be easily exchanged because they represent unique objects with different values. The value of an NFT depends on the perceived value of the underlying object. Similar to real collectibles, it can also be linked to the rarity of an object.

An NFT is an immutable asset whose uniqueness is secured by the blockchain. These characteristics are important to secure and protect the ownership of an NFT. Blockchain technology also makes it easy to verify the authenticity and provenance of an NFT, so the owner can be absolutely certain that they own an authentic and unique asset.

The public's attention was drawn by the enormous price records of the first NFT auctions. An NFT by the artist Beeple was last auctioned for USD 69.3 million by Christie's auction house. Since then, this new digital world has been accepted by the traditional art market. The development of this new market is rapid, but still under construction.

FEATURES OF THE 4ART NFT+

With the unparalleled security and greatly enhanced featureset, 4ART has created the next generation of NFTs, known as NFT+

It is possible to prove that the NFT+ is linked to the physical original, on which the NFT+ is based, at any time

Accessing the link of an NFT+ will allow its owner to open said NFT+ within the 4ART applications

Owners can share their artworks and NFTs with anyone upon demand. The shared content can be time limited or permanent and revoked at any time

Owners can experience their artworks and NFTs in 4K resolution with the 4ART App and 4ART Exhibition App, available for iOS, Apple TV, Android and Android TV

As all data within the 4ART ecosystem is secured with blockchain-stored hashes, data automatically linked with the NFT+ is secured as well

Data secured within the 4ART ecosystem is not openly readable. Only the owner of an artwork or NFT+ is able to access data and can choose to share single artworks or complete collections

Depending on the selected blockchain protocol, a royalty system is available for the original artwork artist or creator

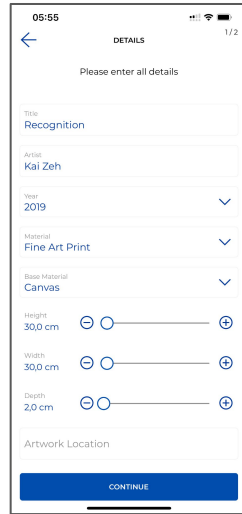# NFT+ SIMPLE & SECURE CREATION - STEP 1

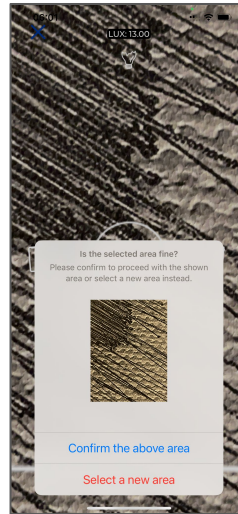## STEP 1 - SECURE PHYSICAL ART OBJECT (DATA IS HASHED ON ETHEREUM)
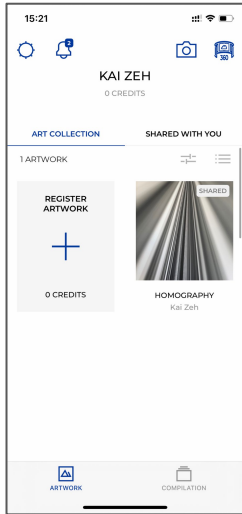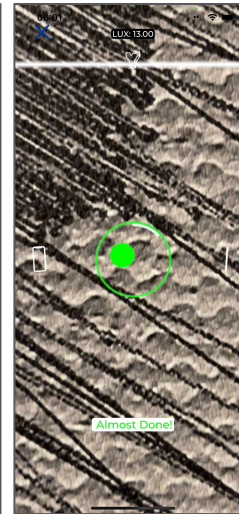
BEGIN ARTWORK
REGISTRATION

TAKE ARTWORK
IMAGE
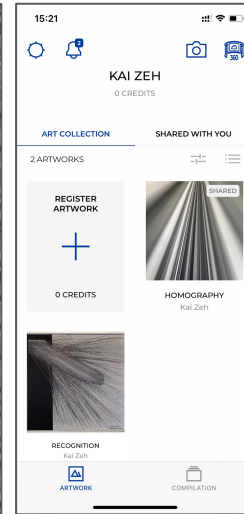
ENTER ARTWORK
DETAILS

SELECT SECTIONS FOR
FINGERPRINT

SCAN ARTWORK
SURFACE

ARTWORK IS ADDED
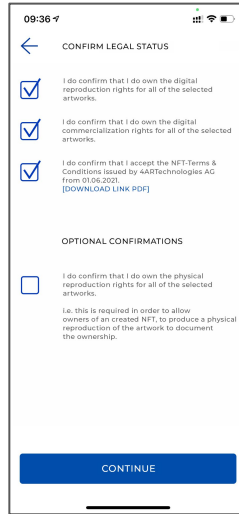TO 4ART PLATFORM

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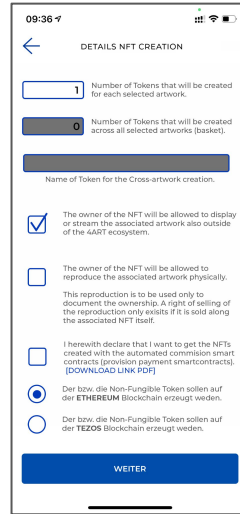
STEP 2 - GENERATE NFTs FROM ART OBJECT
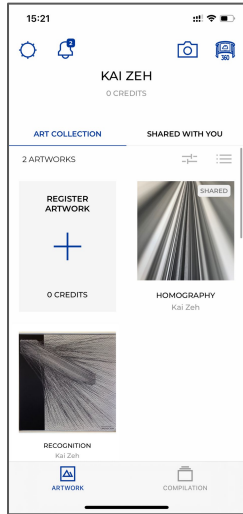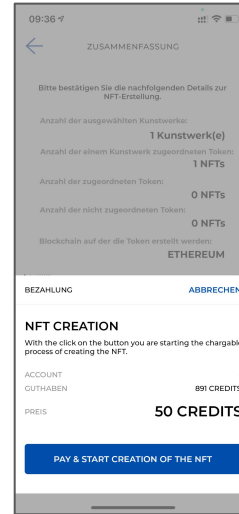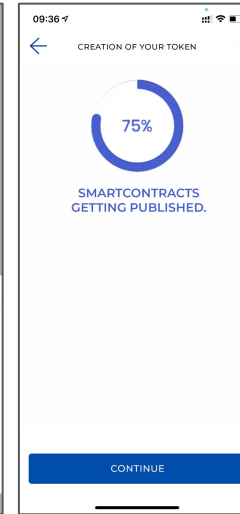

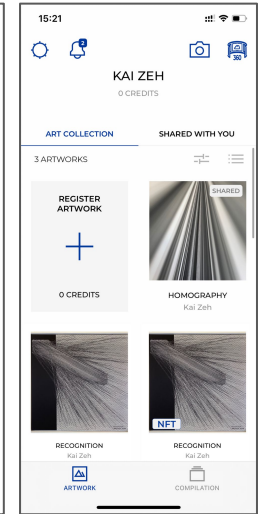| SELECT ARTWORK FOR NFT | BEGIN NFT CREATION | CONFIRM LEGAL STATUS OF ARTWORK | DEFINE ALL NFT DETAILS | PAYMENT FOR NFT CREATION | GENERATION OF NFT SMART CONTRACTS | NEW NFT ARTWORK OBJECT |
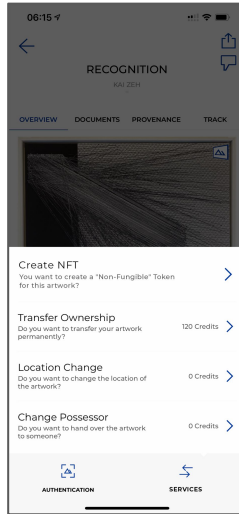
4ART's GENERATION OF NFTs FROM ART OBJECTS

The process of NFT+ creation is intended for, but not limited to, art world professionals with little or no blockchain technology knowledge

Ethereum, Palm, Binance and Tezos protocols are currently supported. Support for other blockchain protocols will follow at a later date, depending on market consolidation.

NFT+ generation will be available for single artworks or entire compilations / collections with theoretically unlimited scope.

The numbers of NFT+ generated for the selected artwork(s) can be chosen by the user

Legal frameworks, including do's and don'ts, are part of the NFT+ metadata. The link to the legal documents are stored on the Ethereum blockchain

The link to the NFT+ artwork object on the 4ART platform is part of the NFT+ metadata

NFT+ SECURITY

WHY DOES 4ARTECHNOLOGIES CLAIM THAT THEIR NFT+ IS TRULY SECURE?

The NFT+ itself

- All creators and buyers are authenticated by a KYC
- The creators declare their authority
- During creation, the included rights are clearly explained and selected
- The 4ART NFT+ contains an integrated rights document
- All digital artworks, whether images, videos, or sounds contain a forensic watermark

The fingerprint for physical artworks

- 4ART's unique solution to securely bring the physical into the digital
- Permanent and indissoluble link between original and digital twin
- The NFT+ does not just refer to an arbitrary image - a proof of authenticity exists with the artwork passport
- Included and additional track & trace and provenance to give collectors detailed information and security

NFT+ Simply Different

Randomly selected NFT from an NFT marketplace
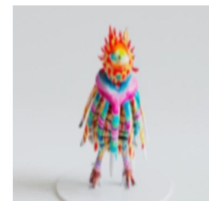
Randomly selected NFT+ from 4ARTmarketplace
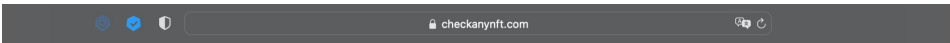
Content of NFT:

Attributes	Search Result	Featured
Art Id	-	✗
Artist	-	✗
Nft Type	-	✗
Media Type	-	✗
External URL	-	✗
Description	We are the ghost, your nightmare, your daydream.	✓
Documents Listing	-	✗
Track Record Monitoring	-	✗
Provenance Documentation	-	✗
Legal terms	-	✗

Name:'Lil Ghost#5061'

Content of NFT:

| Attributes	Search Result	Featured
Art Id	EeyQA/1c1GGkGj32	✓
Artist	UTA BEKAIA x DENIS DAVYDOV	✓
Nft Type	4ARTNFT+V1	✓
Media Type	VIDEO	✓
External URL	↗	✓
Description	4ARTechnologies NFT+ / Melancholia. Sacred Creatures: BajBajas.	✓
Documents Listing	Available	
Track Record Monitoring	Available	✓
Provenance Documentation	Available	✓
Legal terms	👁 LegalBlock1: 4ARTechnologies NFT - Unless elsewhere expressly stipulated otherwise, the owner of the Non-Fungible-Token that contains the link to this legal text was not granted any copyrights by the creator of the NFT for the associated work of art, object, file or media. LegalBlock2: 4ARTechnologies NFT - The creator of the Non-Fungible-Token that contains the link to this legal text, grants the owner of the Non-Fungible-Token the right to allow selected users within the 4ARTechnologies Applications Ecosystem to stream, view and listen to the digital	✓

Name:'Melancholia. Sacred Creatures: BajBajas.'

NFT+ contains important information for investors. Legal Framework is stored on- and off-chain. The 4ART Provenance tracking adds the indispensable information for the future performance and credibility of an NFT. Forensic Watermarking is added to all digital assets (image, video, audio).

NFT+ Marketplace as SAAS

4ARTs NFT Marketplaces offers a variety of payment options. Also it classifies the Marketplace provider not as a financial product sales institution. All participants of the marketplace did run through a KYC process as well as they had been checked for AML compliance.
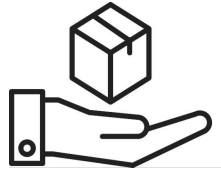
4ARTechnologies does offer the marketplace also as a whitelabel solution for other companies. Depending on the scope of requirements also other parts of the 4ART Ecosystem can be supplied as white label products.

As 4ARTechnologies is continuously developing the marketplace and its products further, all SAAS participants will take advantage of feature upgrades and adjustments according to the changing environment.
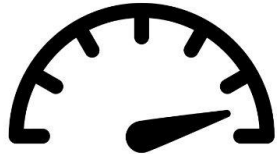
The High Availability and Auto Scaling Infrastructure allows for small, medium and very large transaction volumes. The performance of the marketplace is not depended on the speed of the featured blockchains.

Depending on the selected buyer/seller matching mode and the product nature the marketplace can be used with or without an financial product intermediary license.

ABOUT 4ARTECHNOLOGIES AG

TEAM

The Art & Tech Specialists

46 Employees

16 in Switzerland

30 around the World

Headquarter

Steinhausen / Zug

Switzerland

Locations

Dubai

Berlin

Tuttlingen

COOPERATIONS

AON

Munich RE

ERGO

gielisch

AA&R
Art Analysis & Research

BVDG
KUNST
SCHAFFT
NEUES
DENKEN
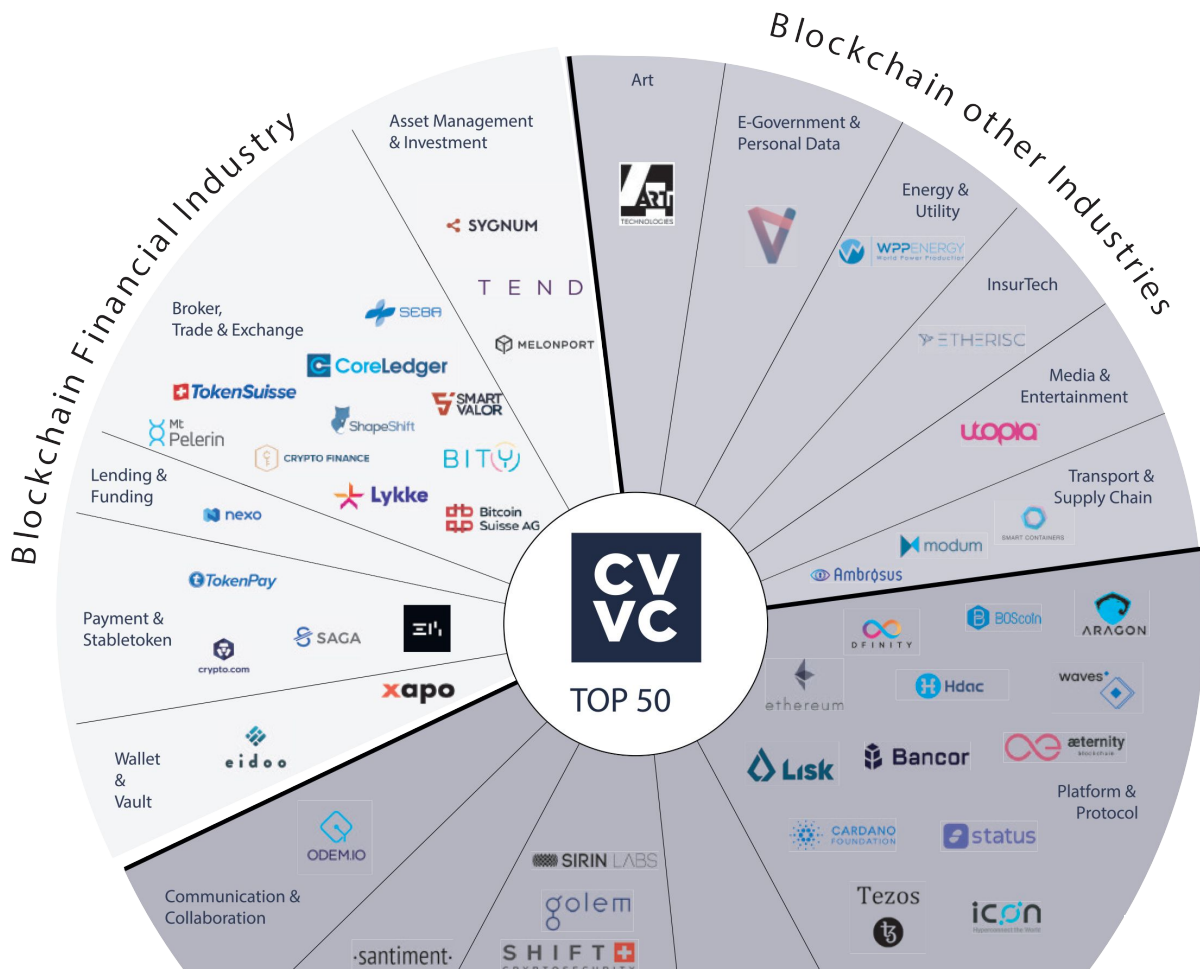
VKMS
AMAS
SANA

CVVC

HOFA
GALLERY

ARTCELS

hasenkamp

ZEISER
CREATING IDENTITY

COMPANY PROFILE

4ARTechnologies
was part of the
Crypto Valley TOP 50
by CV Maps
3 years in a row

Leading as the #1
Art Blockchain Venture
worldwide
in the latest CV Report

**For the Final Impression-
Digitizing the World's Largest Canvas**

4ART digitized the 170 artworks making up
the world's largest canvas artwork, certified
by the Guinness Book of World Records

The artwork was created to support the
most in-need children around the world,
looking to raise USD 30 million. The artwork
was sold at auction for USD 62 million

An NFT+ will be generated for each individual
artwork and auctioned beginning in June 2021

The 4ART Exhibition App is the only platform where
the complete artwork, as well as each piece, can be
viewed. Access is granted with the purchase of an
experience token

Click on the image to start the video

4ARTechnologies

DIGITAL ART MARKET TOOLS