

WHAT IS THE METAVERSE?

- ➤ Internet, but in 3D...?
- > A social network, but in virtual reality...?
- (social) XR, Web3.0, neuro-rights, DOA, NFT...??
- > 6G, AI, Blockchain, Cloud, Digital Twin, Edge, ...???



What Is the Metaverse, Exactly?

Everything you never wanted to know about the future of talking about the future.







HOME > TECH > DE METAVERSE: WAT IS HET EN WAT KAN JE ERMEE

De metaverse: wat is het en wat kan je ermee?



Metaverse: van belofte naar nieuwe realiteit en wat je nu al kunt doen

The Metaverse, Web3, and the Inevitability of NFTs

| COMPUTABLE | Zoeken | Artikelen • |
|------------|--------|----------------------|
| | | Home Community C |

Deze opinie is van een externe deskundige. De inhoud vertegenwoordigt dus niet noodzakelijk het gedachtegoed van de redactie.

Wat hebben de metaverse en web3 gemeen?

28 december 2021 14:36 | Henri Koppen | 4 33

SOCIAL XR FOR THE METAVERSE

MULTI-USER MULTI-MODAL IMMERSIVE EXPERIENCE

Reality-Virtuality continuum

Real environment









Augmented Virtuality



Virtual environment







3D capture and rendering



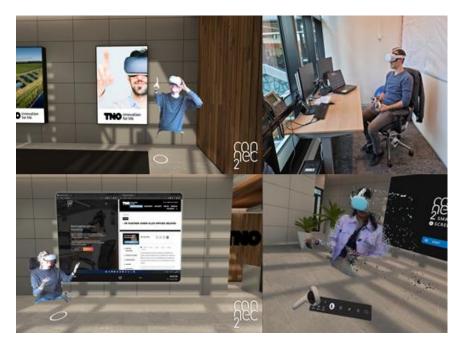
Social Touch



Real time communication



Tailored end-to-end transmission chain



SOCIAL XR @ TNO: EXAMPLE USE CASES

X XR BUSINESS MEETINGS

-) How can we effectively meet and work remote or hybrid?
-) How do we ensure spatial presence and social connection?

XR SOCIAL VISITS

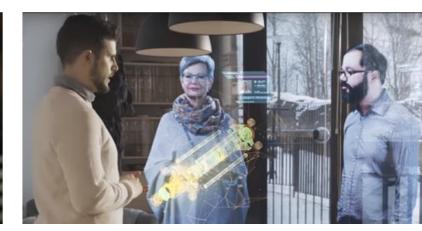
- Can we enable remote visits to nursing homes with today's hardware?
-) Can we cater for social touch?



-) How do we merge remote environments and objects into social XR?
-) How do we collaborate across the digital-physical divide?







VIRTUAL COLLABORATION AND CONTROL ROOM

Search and Rescue project at the North Sea

- Maritime Situation Awareness (Flying and sailing drones)
- Collaboration between Search-and-Resque parties (Coast Guard, KNRM)
-) Data visualization
- Real-time situational control



