

At a Glance: a Global Company

1.5 Bn€

REVENUE FY2023

40+
YEARS OF GROWTH

READ WHITE PAPER

15,000+ EMPLOYEES 60+

OFFICES AROUND THE WORLD

GLOBAL HQ ROME, ITALY

30+

PROPRIETARY SOLUTIONS FOR ALL MARKET SECTORS



ADVISORY

TECHNOLOGY & IMPLEMENTATION

PROPRIETARY SOLUTIONS

MANAGED SERVICES

RESEARCH & INNOVATION

6 Development Labs
100+ Live Research Projects
€40m+ Investments / YR
450+ Data Scientists and Researchers

IT & MANAGEMENT ACADEMY
"ENRICO DELLA VALLE"

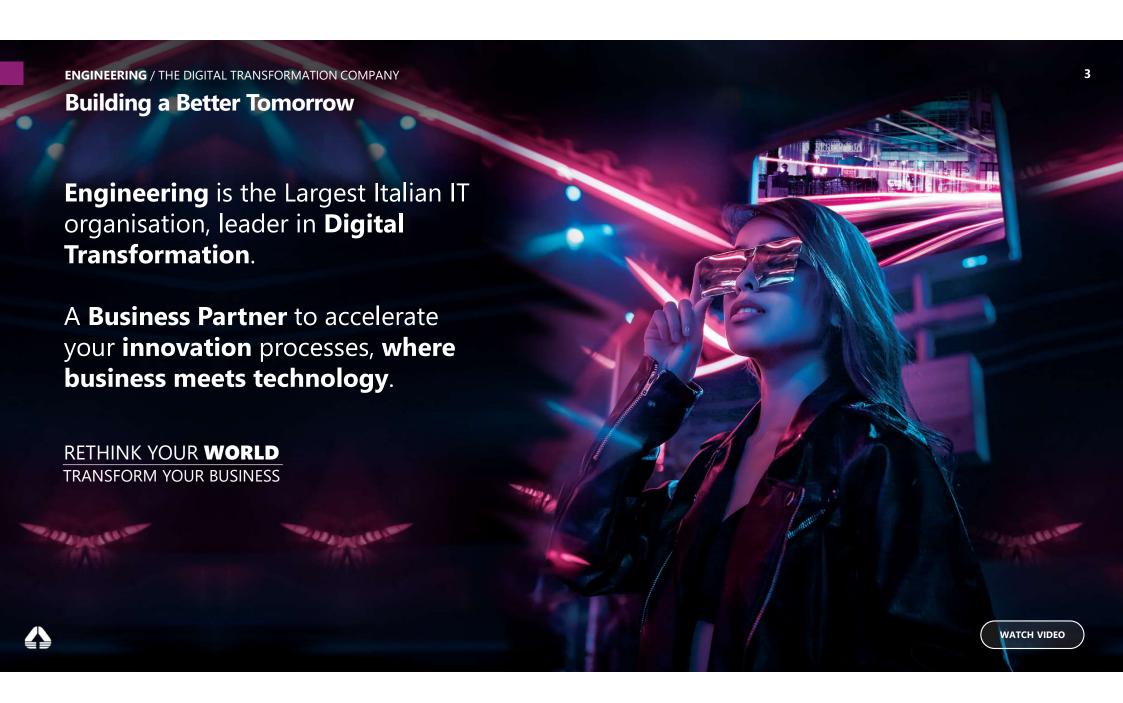
25,000 Man Days of Training / YR **1,300+** Professional Certifications **9,900+** Web Classroom Participants

ASSETS

11 Portfolio Areas20+ Group Companies10+ Competence Center

3 Data Center Tier IV22K Managed Servers250K Workplaces Managed





Welcome to the Digital Revolution

Enabling the digital revolution to accelerate.

We invest through research, strategic acquisitions and skill development in all advanced technologies applying them across all Markets and creating dedicated Competence Centers.

ENABLING TECHNOLOGIES





ADVANCED TECHNOLOGIES

ENABLING TECHNOLOGIES Click on the eight buttons for extra details



AI & Advanced **Analytics**



Cloud



Cybersecurity



Internet of Things



Intelligent **Automation** (RPA)



XR



Blockchain



Digital Twin



Drones & **Autonomous Vehicles** Tech

Advanced **Biometrics** Edge Computing **Location Based** Services

Virtual **Assistant** Wearable Computing Quantum Computing

Metaverse is responding to technological trends, while looking at younger generations' preferences

XR devices adoption

XR devices are expected to increase sales at a CAGR of 32.6% between 2023-27 globally



User experience

3D, AR/MR/VR, reactive avatars are lowering at its minimum the differences between real and virtual worlds

Blurred boundaries

According to younger generations, digital can be better than physical – e.g., 90% Gen Zers would rather attend events in the metaverse vs. in-person



Key Market Trends

\$65.5B

GLOBAL METAVERSE MARKET SIZE IN 2022

+39% **CAGR**

EXPECTED GLOBAL METAVERSE MARKET GROWTH 2022-30 Metaverse has been growing due to industries' investments...

Gaming industry (+\$200B in 2022) is driving metaverse development, still covering almost 50% of its market share

Since 2016, investors have poured approximately \$94B into Web3 companies, funding developments across all its applications, especially NFTs and Metaverse

...however, some challenges are limiting full adoption among companies...

Lack of adoption: as happened for the internet, awareness is high but usage low, especially due to the cost of devices and difficulties in

of devices and difficulties in accessing the metaverse, still perceived as "outside" experiences

Security concerns: users' lack of awareness of service and security options are causing losses due to cyberattacks

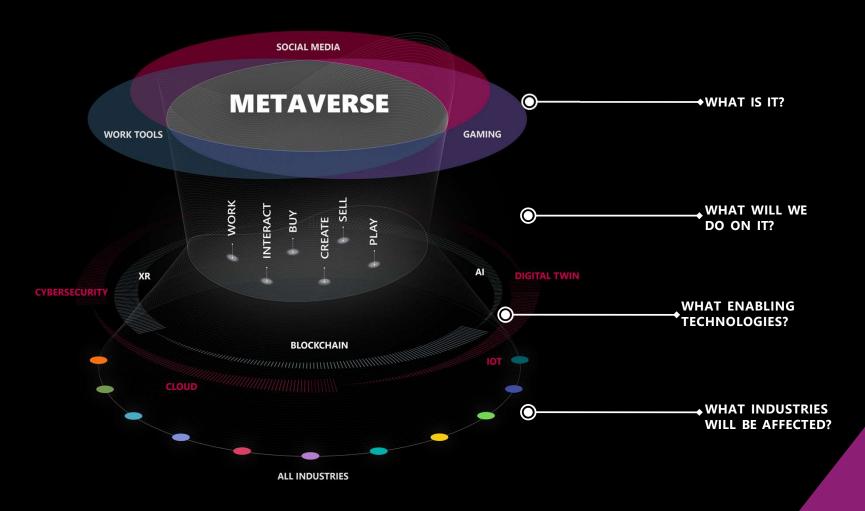
...which can be addressed though solution design and technology

Design and development of a metaverse solution seamlessly integrated within existing environment, to facilitate users to switch to the virtual world for their activities

Artificial Intelligence is revealing itself as the most economic and efficient solution to be used to monitor user behaviour and detect any suspicious activity



Introduction to the Metaverse

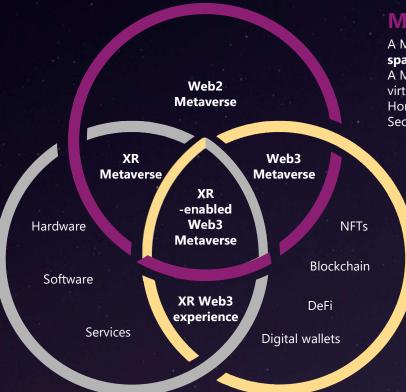




Metaverse is a persistent, shared digital space for users to live in, interact and explore which spans between the virtual and the physical world

XR Extended Reality (XR) is an immersive and

interactive simulated digital experience using a head mounted display (HMD), and is based on Augmented Reality (AR), Virtual Reality (VR), Mixed Reality (MR) and spacial computing



Metaverse

A Metaverse is a persistent, immersive shared digital **space** for users to live in, interact and explore A Metaverse can be interfaced via a fully immersive virtual reality experience using an HMD (e.g., Meta's Horizon Worlds) or with a 2D screen (e.g., Roblox, Second Life)

Web3

Web3 is the expected third generation of the internet that adds decentralization, verification and ownership to Web2 through various new tools and concepts including NFTs, cryptocurrency, and other digital assets



What is the Metaverse

An expansive network of persistent, real-time rendered 3D worlds and simulations that [...] can be experienced synchronously by an effectively unlimited number of users, each with an individual sense of presence.



The "metaverse" is a set of virtual spaces where you can create and explore with other people who aren't in the same physical space as you.

The metaverse is a future persistent and interconnected virtual environment where social and economic elements mirror reality.

WORLD ECONOMIC FORUM A metaverse is a collective virtual 3D shared space, created by the convergence of virtually enhanced physical and digital reality. It's persistent, providing enhanced immersive experiences.

Gartner

Matthew Ball

Meta

...many definition proposed agree on 4 principles:



Shared Experience



Interoperable



Virtual



Persistent



Guiding Trends

XR

+890%

market size growth by 2025

Blockchain

\$3.1 trillion

business value generated by 2030

Cloud

+50% of IT Spending will shift to cloud by 2025

Cybersecurity

+20% year on year

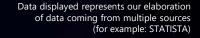
Social Media

+115% over the past 6 years

Gaming

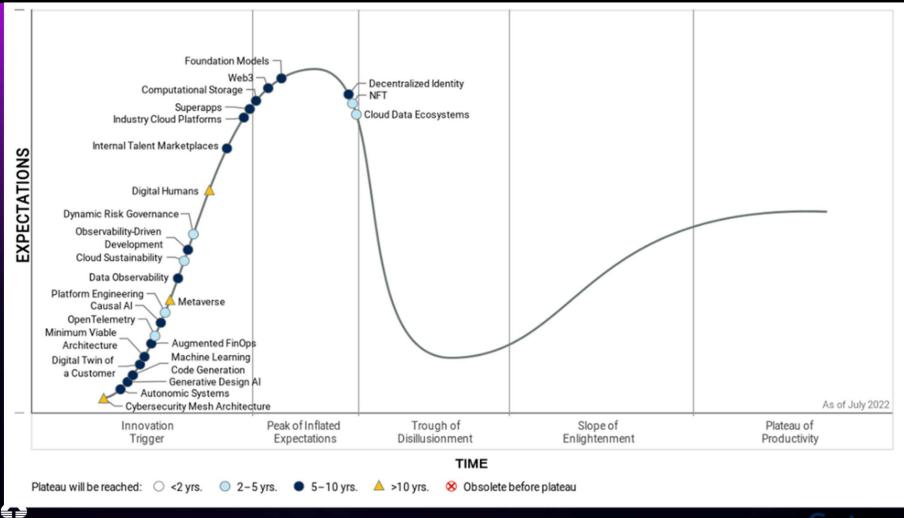
+70% market value growth by 2025







Gartner







Metaverse: open platforms



JP Morgan,

Samsung,

ATARI,

CocaCola,

Absolute Vodka,

Metaverse Fashion Week,

Forever 21,

Philipp Plein



SNOOP DOG

ADIDAS,

THE WALKING DEAD,

ATARI,

A\$AP Rocky,

Deadmau5,

Care Bears,

The Winklevoss Twins



Nikeland,

Gucci Garden Experience,

KSI (youtuber),

twenty one pilots (band),

NASCAR,

The Fashion Award,

Ralph Laurent,

VANS



Metaverse's use cases can range across different industries















GAMING

Gaming experiences across many categories of games developed by studios and users



Live events, movies, exhibitions, formal/informal get togethers, weddings, etc.

AND SOCIAL

RETAIL / COMMERCE

Shops, showrooms, etc. of both physical and digital assets, services – consultations, tourism, etc.

HEALTHCARE

Virtual sessions/ appointments, XRassisted surgery and recovery exercises, avatarsupported recovery

EDUCATION/ TRAINING

Virtual classrooms, learning tools, virtual field trips, corporate trainings, simulation trainings

COLLABORATION & CO-DESIGN

Virtual office, tools for live design creation (e.g., architects), workshops, events and meetings

INDUSTRIAL

Digital twins and simulations within virtual worlds, assets planning

EXAMPLES

Minecraft, Roblox and Fortnite are gaming metaverses where users can create and purchase digital avatars

The Sandbox

partnered with Warner Music Group to create a musical theme park for users of the metaverse Decentraland hosted a fashion week in which brands sold physical goods deliverable to the buyer in the real world

Novarad's OpenSight AR system uses Microsoft's HoloLens for preoperative surgery planning and medical imaging

Walmart has been using VR to train more than 1 million associates with +17k headsets

Horizon Workrooms

enable companies to host virtual meetings and customize workspaces **Hyundai** has partnered with Unity to create a metaverse digital twin of their factory

CONSUMER FACING

INTRA-ENTERPRISE

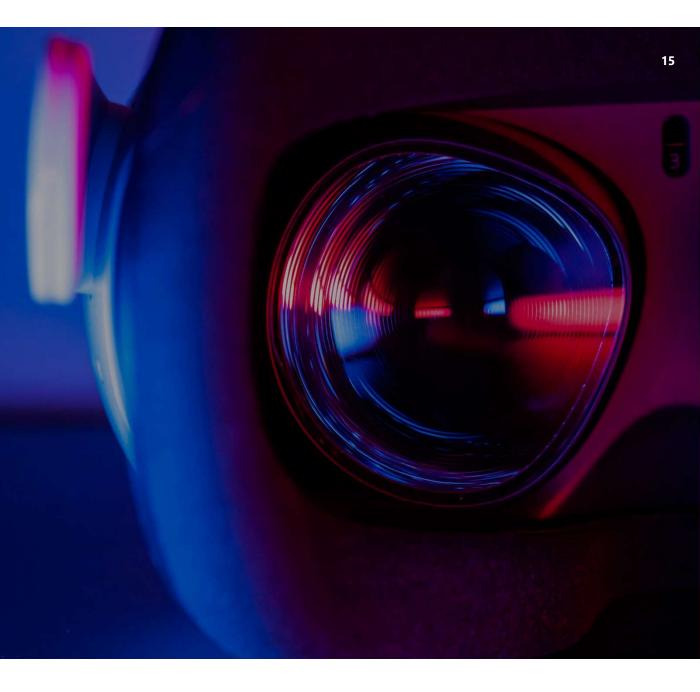




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