

Metaverso e industria 4.0

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Gartner

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Industrial metaverse



Onboarding and training

Meetings and collaboration



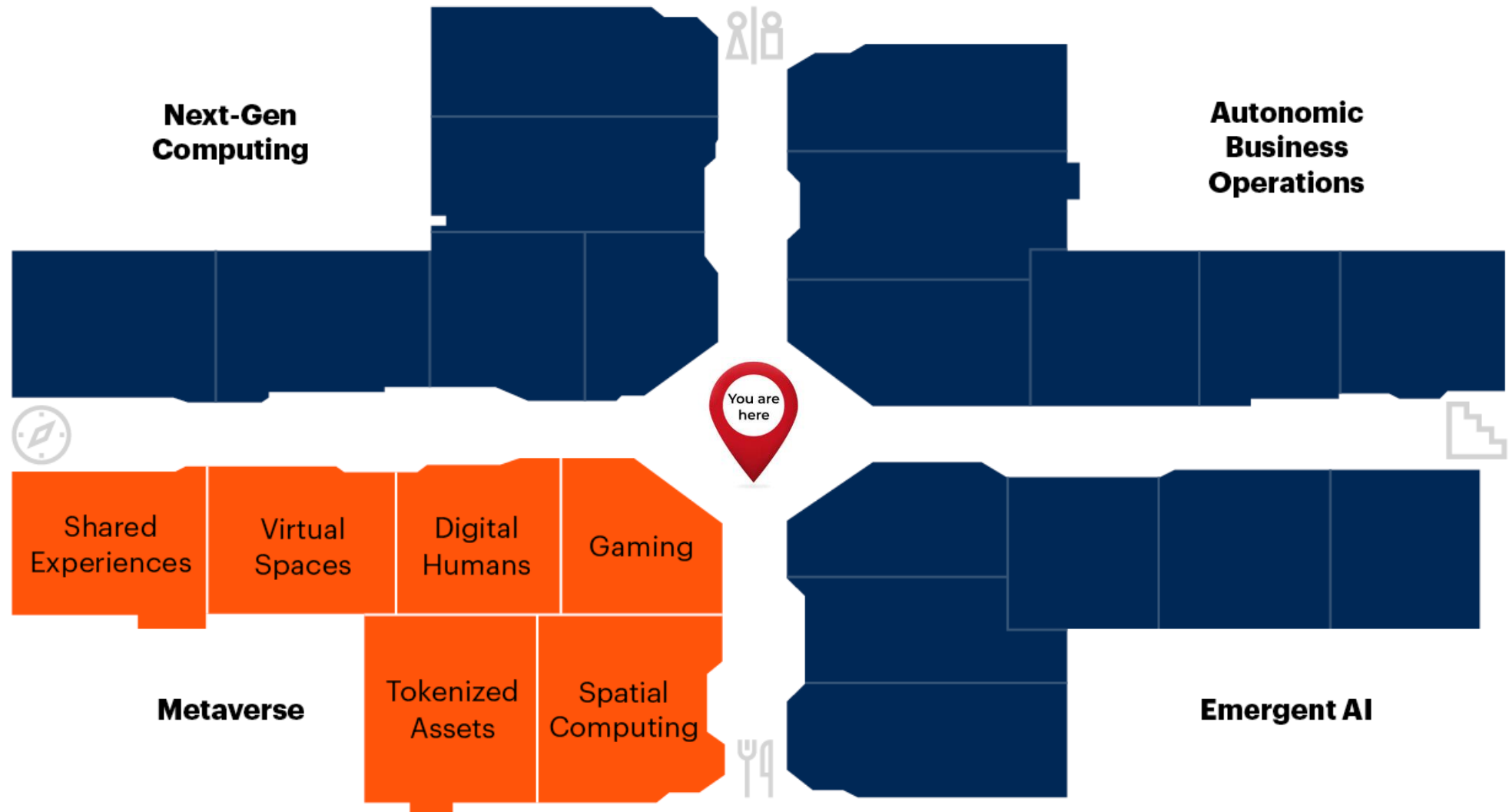
Experience commerce and Products

Gartner's definition of the Metaverse



A collective virtual shared space, created by the **convergence of virtually enhanced physical and digital reality**. A Metaverse is persistent, providing **enhanced immersive experiences**. It will have a virtual economy of itself, enabled by **digital currencies and nonfungible tokens (NFTs)**.

Build the Digital Future



Source: Gartner

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What drives the demand/realization of a Metaverse?

**READY
PLAYER
ME**

LAND

PORTION OF METAVERSE

ERC-721

LANDS are portions of the metaverse open to player ownership.

They can be edited by their owner and contain other tokens (ASSETS, GAMES) to create experiences.

Multiple LANDS can be linked together to form a bigger parcel (ESTATE)



The Sandbox Metaverse



Host
contests and events



Monetize
assets and experiences



Play
games that you or others
create



Stake sand
to earn and customize
ASSETS



Vote
in the metaverse
governance



‘Skins’ – Gaming: Gucci





Fungible



Non Fungible



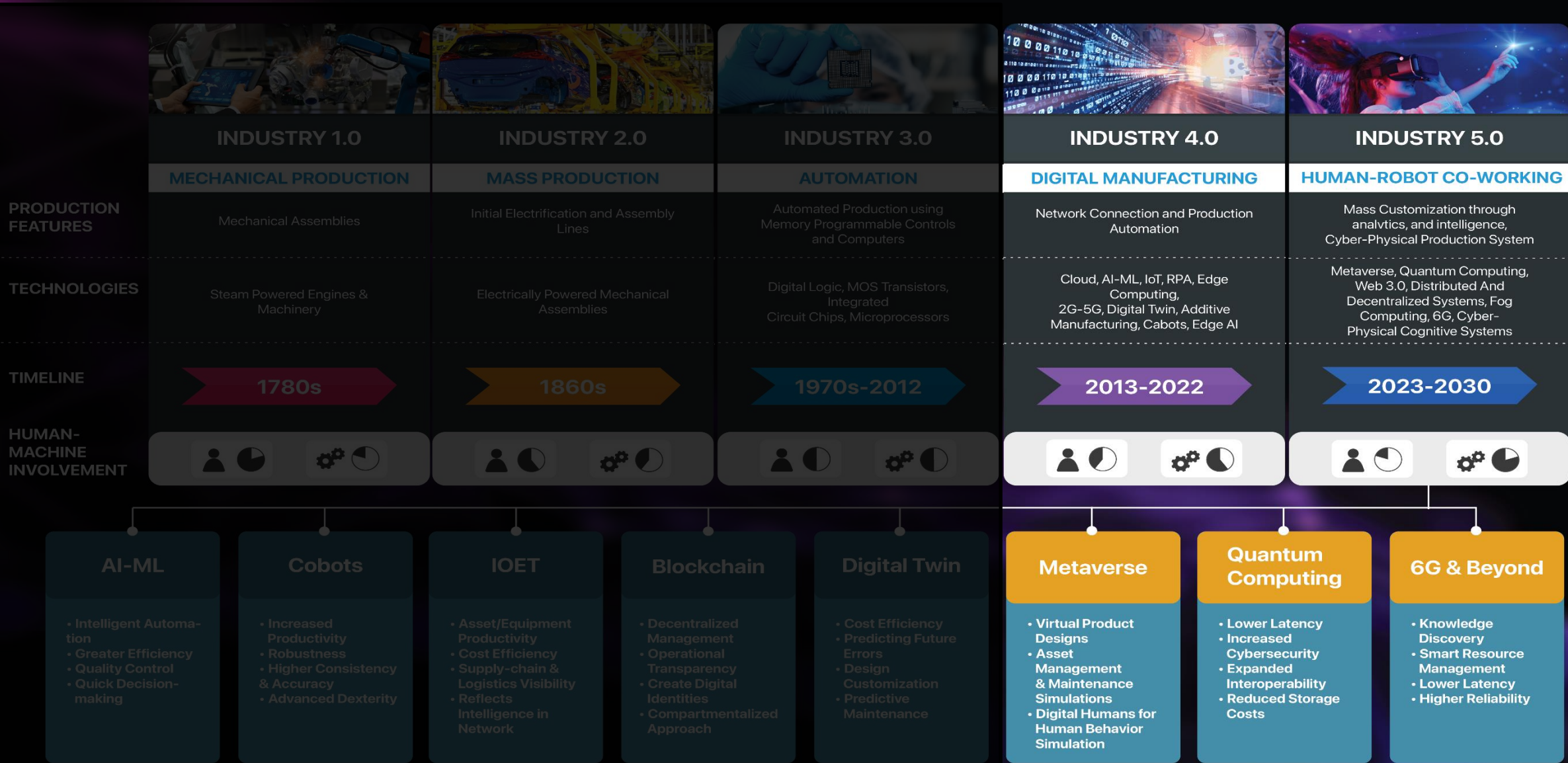
Semi Fungible

Industrial Metaverse

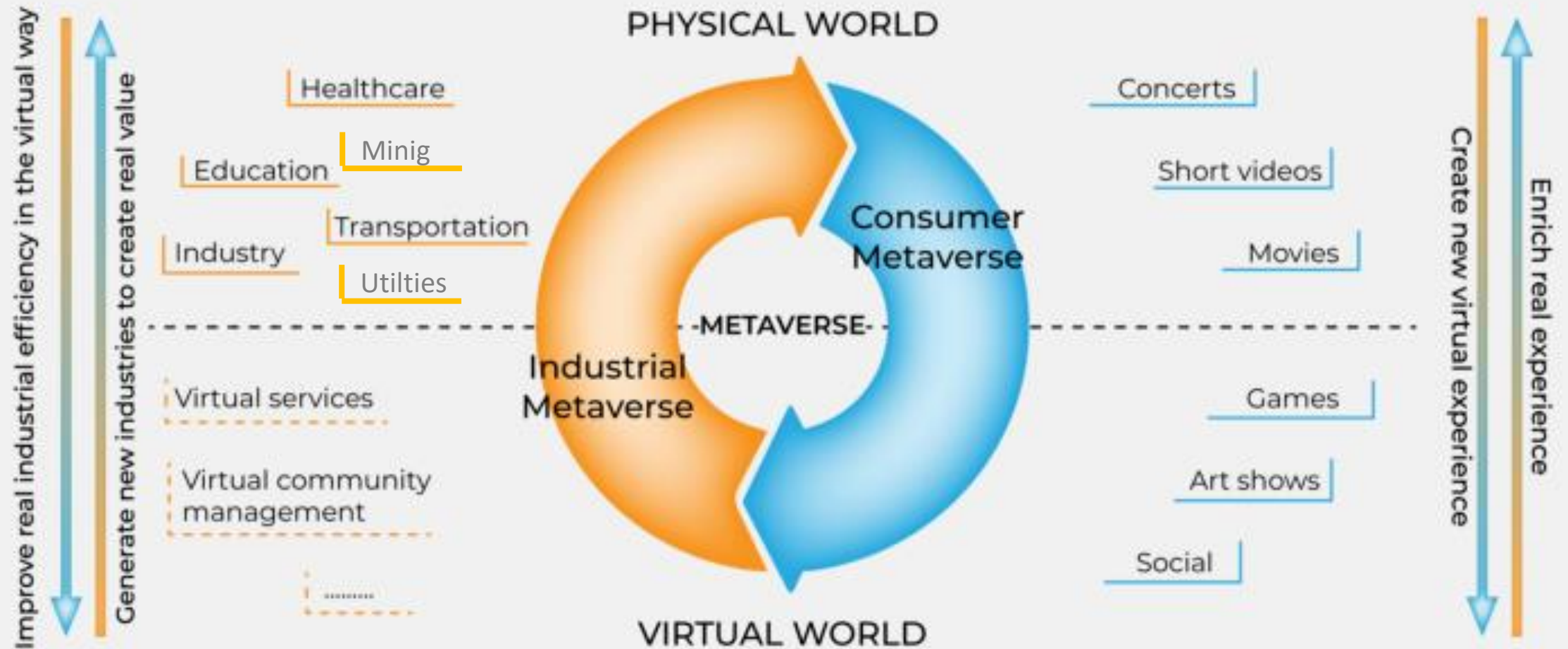
The emergence of the metaverse will directly impact product and service marketing, branding, and sales roles in the industrial organizations, as it becomes the next frontier for online interaction and customer engagement.



EVOLUTION OF THE DIGITAL MANUFACTURING INDUSTRY



Ecosystem of the Consumer and Industrial Metaverse



| Infographic redesign by Antonio Grasso

 @antgrasso

 @agrassoblog

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METaverse for Industry 4.0

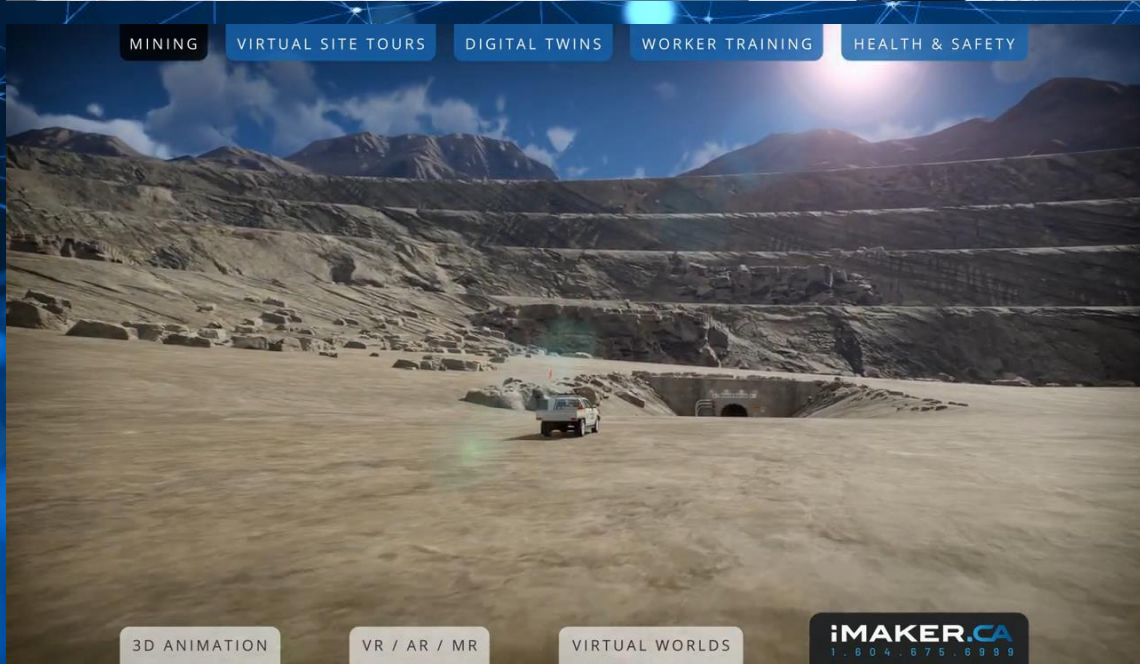
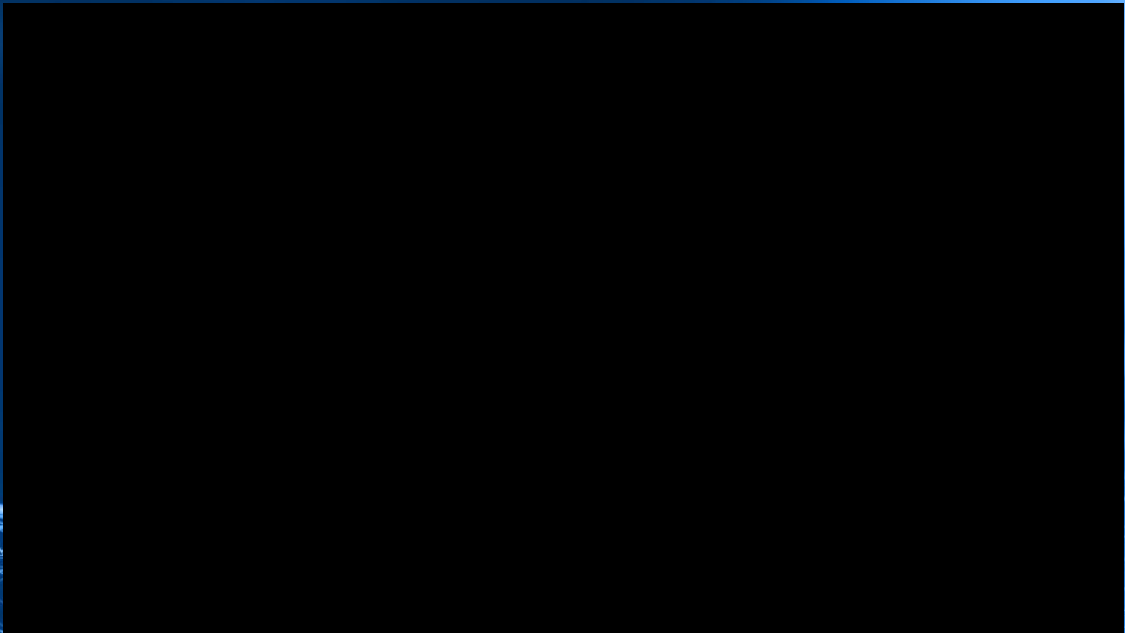
RAPID
PRODUCTION
PROCESS
DESIGN

VARIETY
OF PRODUCT
DESIGN

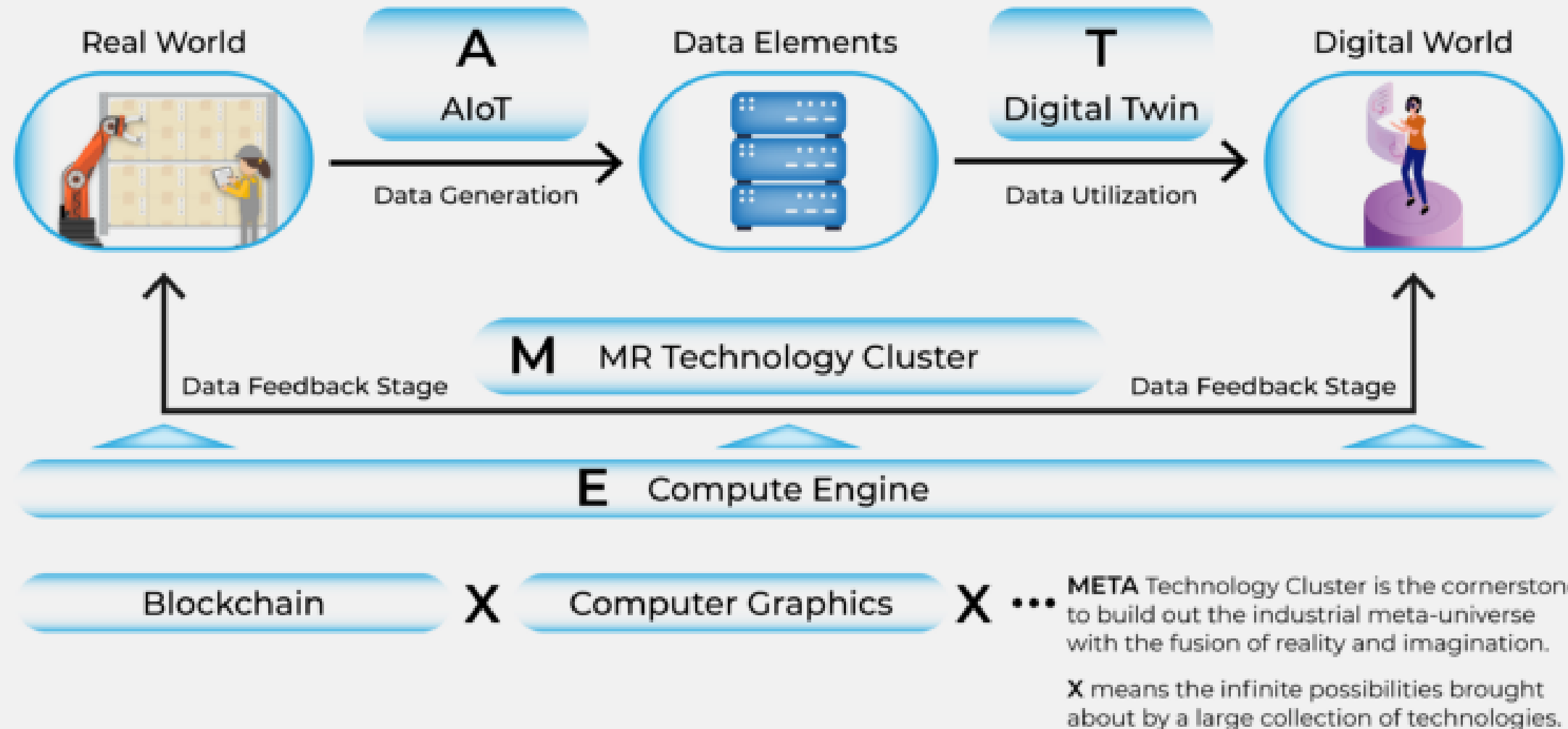
COLLABORATIVE
PRODUCT
DEVELOPMENT

REDUCE RISK
TO QUALITY
CONTROL

INCREASE
TRANSPARENCY
FOR CUSTOMER



The technologies involved in the industrial metaverse



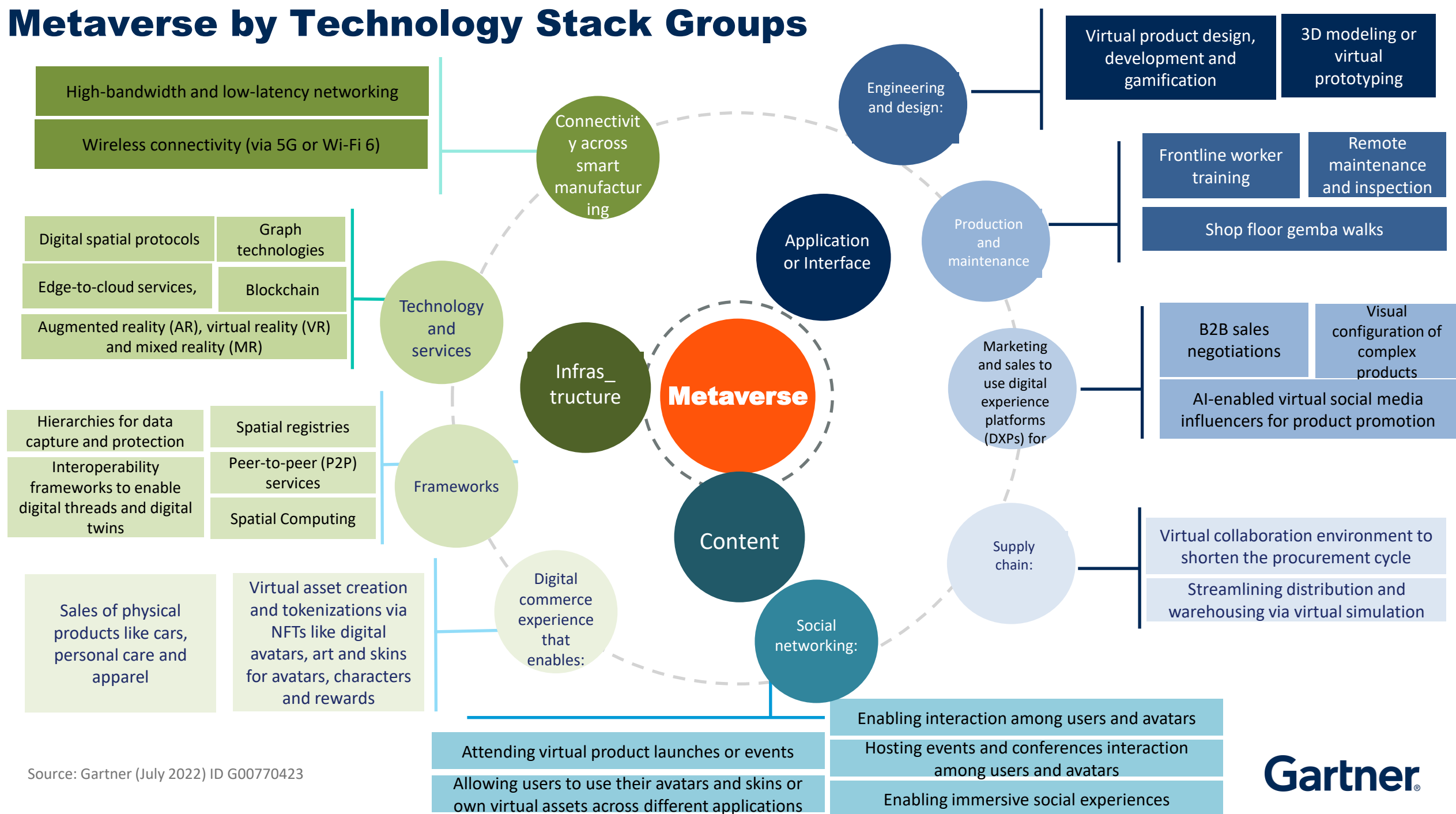
Original creativity: EqualOcean | Infographic redesign by Antonio Grasso

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Metaverse by Technology Stack Groups

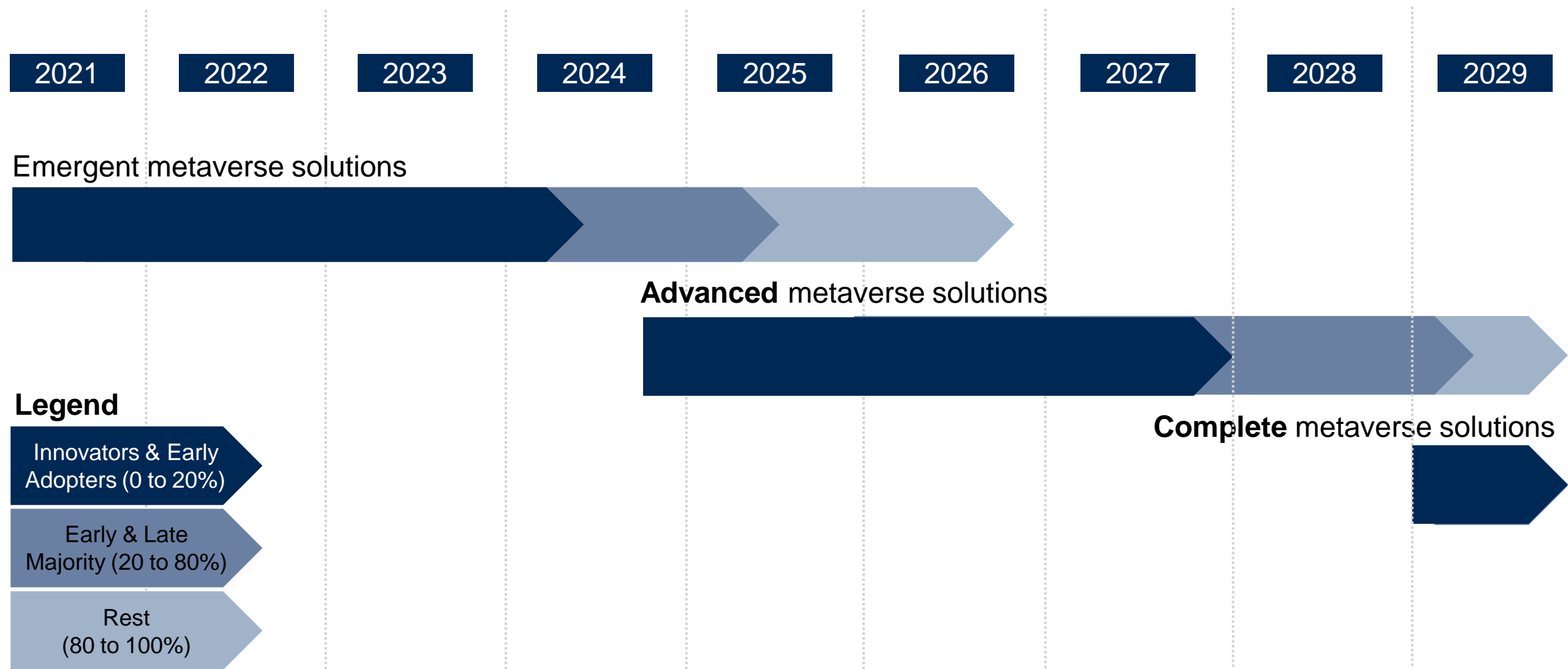


Source: Gartner (July 2022) ID G00770423

A person wearing a VR headset is shown in profile, interacting with a futuristic, glowing digital interface. The interface features various elements: two circular gauges at the top left, a 'TEST' label with a user icon, a waveform graph, a bar chart, and a heart rate monitor line. The background is a deep blue with purple and red light effects. The text 'That's now. So, what's next?' is overlaid in white.

That's now.
So, what's next?

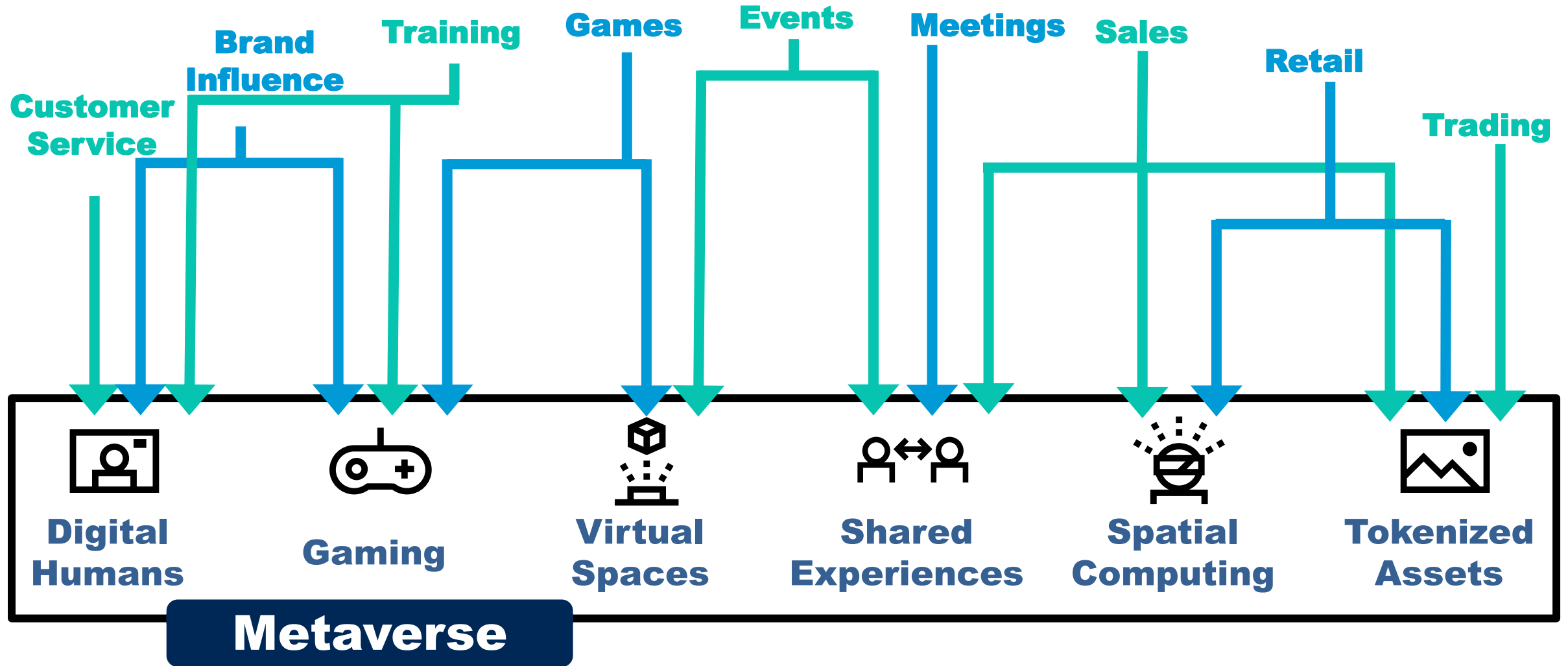
Metaverse Evolution Spectrum



Legend

- Innovators & Early Adopters (0 to 20%)
- Early & Late Majority (20 to 80%)
- Rest (80 to 100%)

Do Any of These Interest Your Organization?



A close-up photograph of a VR headset, likely an Oculus Quest 2, with blue and red lighting effects. The headset is shown from a side profile, with the lens and sensor area visible. The background is dark, and the lighting creates a futuristic, high-tech atmosphere.

The metaverse provides innovative new opportunities and business models, allowing businesses to extend digital business to be **persistent, decentralized, collaborative and **interoperable**.**



**Despite all of the hype,
the adoption of metaverse
technologies is nascent
and fragmented.**

Recommendations

- ① Explore opportunities.
- ① Build metaverse products and solutions.
- ① Identify metaverse-inspired opportunities.
- ① Evaluate the route to market your industry by engaging in co-creation, sharing specific intellectual property or participating in consortia. This will also support in reducing time to value and deliver higher return on investments. Invest in specific emergent metaverses cautiously.
- ① Drive by prioritizing enablement of metaverse use cases with a high degree of human engagement — that is, augmented decision making and operations support or collaboration

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