

*Redefining Business with
Generative AI &
the Future of Merging Technologies*



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Head of Data & AI
Center of Excellence

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CAPGEMINI IS A TRUSTED GLOBAL BUSINESS PARTNER DELIVERING END-2-END SUSTAINABLE DATA & AI SOLUTIONS & TRANSFORMATION.

Our BRANDS

Capgemini

Capgemini invent

Capgemini engineering

frog Part of Capgemini Invent

sogeti Part of Capgemini

Selected ACCOUNTS



STELLANTIS
VOLKSWAGEN
AKTIENGESELLSCHAFT

Johnson & Johnson



SIEMENS



Boehringer
Ingelheim



BOSCH

DAIMLER

> 375,000 Capgemini experts in +50 countries

> 25,000 Data & AI experts

> 25,000 Manufacturing & High-tech experts

Long-standing & global network of

Data & AI Center of Excellence



We are recognized as a **Leader**



6 years **Leader** in
Gartner 2022
Quadrant: Data
& Analytics service
providers

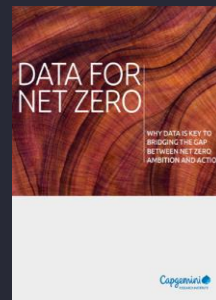


2021 **Leader** in ISG
Analytics Services
Provider Lens Study
2021 in the US and
Germany



2022 in Everest Group's
first PEAK Matrix® for
Sustainability Enablement
Technology Services

And thought leadership excellence



CAPGEMINI
DATA & AI
RESEARCH

We are lifting your Data Value Chain sustainable from Data to Analytics to Intelligence.

ARTIFICIAL INTELLIGENCE IS THE KEY TECH OF THE 21ST CENTURY.



TECHNOLOGY



AI FIRST STRATEGY CHINA 2030
2 Billion US\$ R&D Invest / a



US R&D INVESTMENTS AI &
QUANTUM ML 3 Billion US\$ / a



EU AI STRATEGY 2020 Upgrade
to 5 billion US\$ next years

HUMAN



INCREASING TRUSTWORTHINESS
49% 2020 versus 30% in 2018



RISE OF AI ETHIC + 25 LEGISLATIONS
fivefold increase trustworthy AI publication



NEED 50% RESKILLING UNTIL 2025
97 Mio. new Data & AI & 85 decreasing jobs



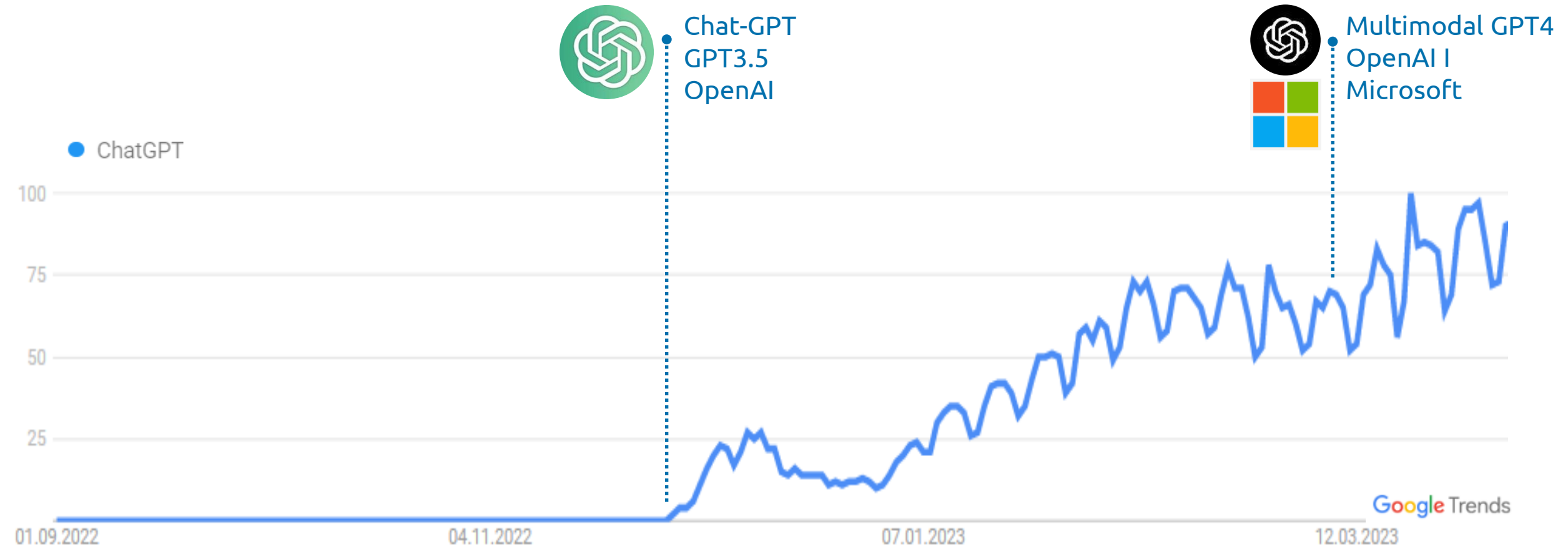
INCREASING INDUSTRIALIZATION & ROI
global, cross business & along entire value chain

GENERATIVE AI & PRETRAINED MODELS
11/2022 ChatGPT society participation
03/2023 GPT4 multimodal approach

DECREASE TO AFFORDABLE COSTS
-64% image classification cost & +95%
performance of training since 2018



EVERYBODY IS TALKING ABOUT & TESTING OPEN AI CHAT GPT



Just another AI hype before a winter or ready for value creation in Intelligent Industry?

THE MARKET & CLIENTS ARE WAITING TO CREATE DATA VALUE ADD BY INTEGRATING GENERATIVE AI ALONG THE ENTIRE VALUE CHAIN.

17.4 B USD

MARKET POTENTIAL 2024



The market still considers Generative AI as novelty but is looking for guidance & rapid adoption.

+35% CAGR

COMPOUND ANNUAL GROWTH RATE



2030 a Generative AI market of 109 B USD is expected based on 34.6% CAGR & 2024's addressable market.

ME & FS

ACCELERATOR



19% of the Market 2021 was Media & Entertainment. Financial Services is forecasted to be the fastest growing industry.

Just another AI hype before a winter or ready for value creation in Intelligent Industry?



DEMYSTIFYING GENERATIVE AI – A BRIEF CLASSIFICATION & THE FUTURE OF FUSING TECHNOLOGIES FROM HUMAN PERSPECTIVE



 **THINK - Machine Learning**

Deep Learning

Convolutional Neural Networks
Graph Neural Networks

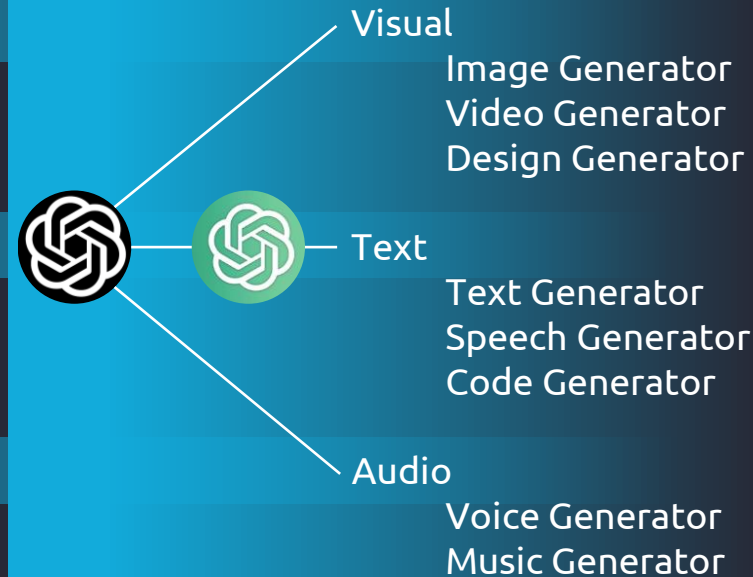
 **SEE - Computer Vision**

 **SPEAK - Natural Language Processing**

 **HEAR - Acoustic Analytics**

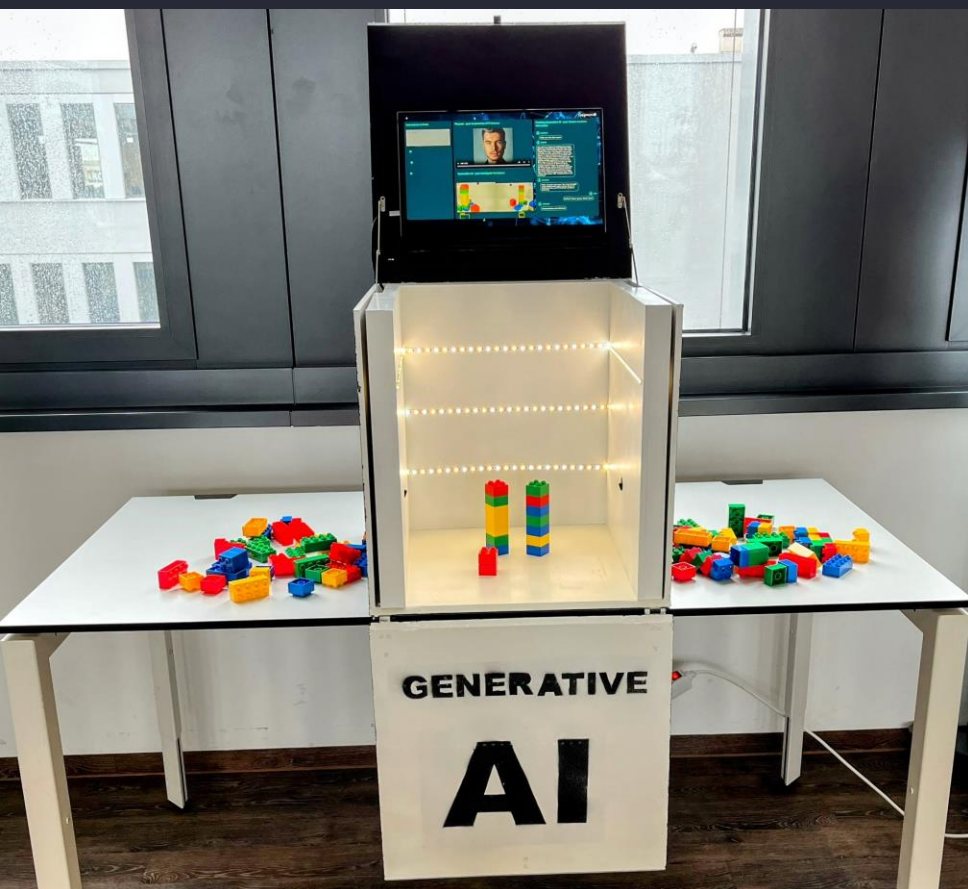
 **TOUCH - Tactile Robotics**

Generative AI



To ensure the future viability we have to master the merging data driven AI technologies

MAY I OPEN THE AI BLACKBOX & INTRODUCE YOU TO PHOENIX



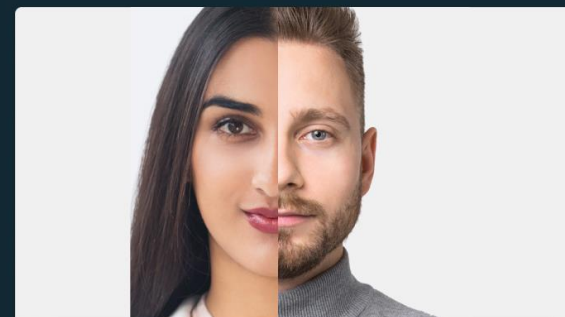
Instruction & Rules

Hello User, let's play a game!

A green piece can't touch a yellow piece
Two blue pieces always have to go together
All green pieces have to be used
You will receive the current state of the tower in the format (color of piece 1, color of piece 2, ..., color of the last piece)

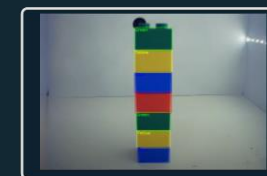
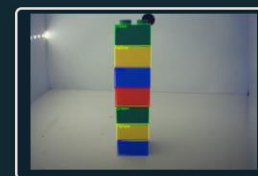
Are you ready?

Phoenix - your trustworthy GPT4 Advisor



Character: Friendly, Sarcastic Gender: Female, Male

Generative AI - your intelligent Workplace



Mode: Easy, Medium, Complex, Custom

Capgemini

Chatting Generative AI - your Human-Machine-Interaction

Phoenix

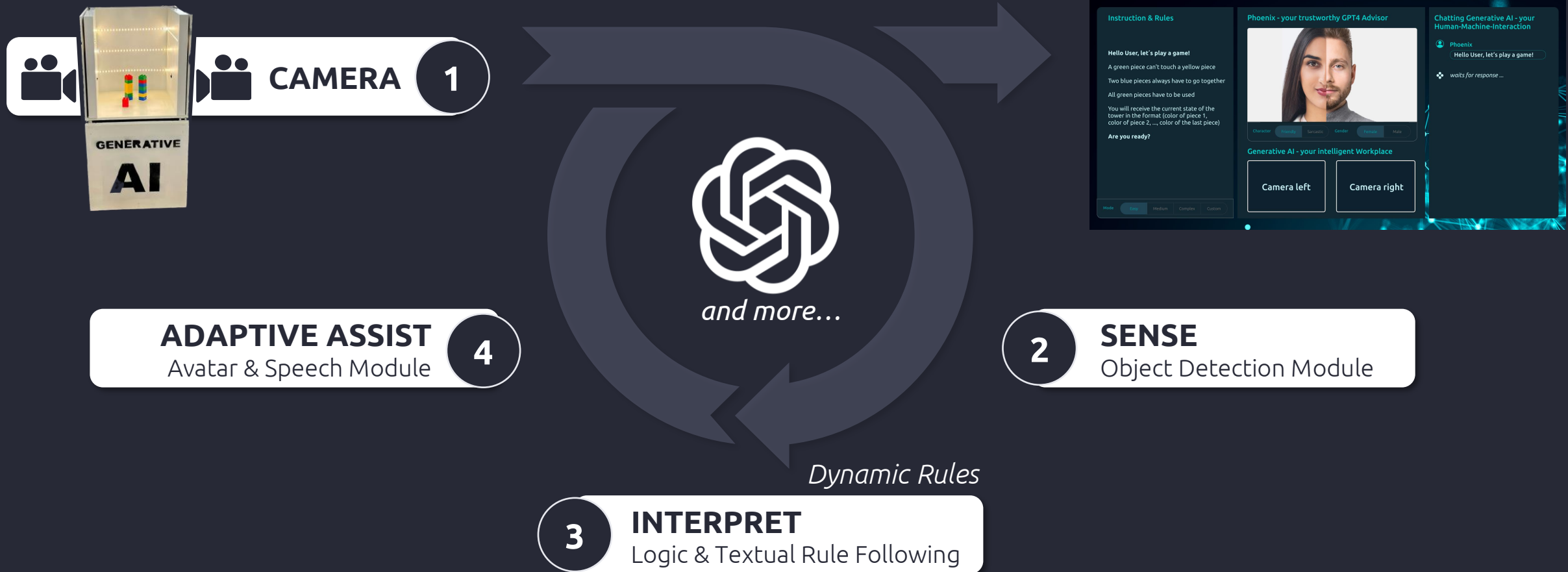
Hello User, let's play a game!

waits for response ...

Let's explore Phoenix - your trustworthy GPT4 advisor



THE TECHNOLOGICAL ARCHITECTURE OF PHOENIX IS MULTIMODAL - OBJECT DETECTION + TEXTUAL RULE FOLLOW + AUDIO-VISUAL AVATAR





GENERATIVE AI & THE FUTURE OF MERGING TECHNOLOGIES WILL REDEFINE BUSINESS ALONG THE ENTIRE VALUE CHAIN.



To ensure the continuous technology integration you need a sustainable DATA & AI framework.



THANK YOU FOR YOUR ATTENTION!
FEEL FREE TO ASK & CONTACT ME



DANIELA RITTMEIER
Head of Data & AI CoE



About Capgemini

Capgemini is a global leader in partnering with companies to transform and manage their business by harnessing the power of technology. The Group is guided everyday by its purpose of unleashing human energy through technology for an inclusive and sustainable future. It is a responsible and diverse organization of over 300,000 team members in nearly 50 countries. With its strong 50-year heritage and deep industry expertise, Capgemini is trusted by its clients to address the entire breadth of their business needs, from strategy and design to operations, fueled by the fast evolving and innovative world of cloud, data, AI, connectivity, software, digital engineering and platforms. The Group reported in 2020 global revenues of €16 billion.

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