



2035 - THE EDGE AI REVOLUTION: WHEN 80% OF AI MIGRATES TO THE EDGE

From centralized AI to distributed intelligence:
Technologies, Markets and Strategic Issues 2020-2035

Target Sectors

Industry 4.0, Healthcare, Smart Cities, Automotive,
IT & Telecom, Retail, Agriculture, Energy & Utilities



Author

Yannick Gablin

Director – MEA / Digital Services

ALVAREZ & MARSAL

CONFIDENTIAL – NOT FOR DISTRIBUTION



**SECTION 1 –
DETAILED TIMELINE**

2020 – 2022 : The Awakening of the Giants

When AI left the laboratories to conquer the world

● Art & Creativity ● LLM Models ● Code ● Science ● Open Source

2020

GPT-3



OpenAI unveils a model with 175 billion parameters.. Emerging capabilities at scale.

175B params | Training: \$10M

January 2021

DALL-E



Inaugurates AI-powered visual creation. Transforms the text-image relationship.

Arch. Clip+VAE | 2.5M pic/day

July 2022

Bloom



Democratize multilingual AI. A European alternative to US models.

176B params | 46 languages

November 2022

ChatGPT



The tipping point. 100M users in 2 months. The world discovers the power of AI.

100M users | Val \$20B

End of 2020

AlphaFold 2



DeepMind Solves a 50-year-old challenge. Accelerates drug discovery.

98% precision | 200M struct.

June 2021

CoPilot



First coding assistant for the general public. Increases productivity by 55%.

1.2M devs | 40% code auto

August 2022

Art for All



Midjourney and Stable Diffusion make visual creation accessible to all.

10M users | Open Source

2023 – 2025 : The Surge

Generative AI is invading every corner of our lives.

● Art & Creativity ● LLM Models ● Competition ● Open Source

July 2023

Llama 2

Democratizes access to LLMs. Enables open innovation at scale.

70B params

February 2024

Sora

Transforms professional video creation. Redefines the boundaries of AI realism.

1080p 60s

June 2024

Claude 3.5

Surpasses all benchmarks. Massive enterprise adoption.

2x times faster



March 2023

GPT - 4

Establishes a new standard for reasoning. Native multimodality revolutionizes use cases.

1.76T params

November 2023

GPT - 4 Turbo

Makes AI economically accessible. Massive context window opens new horizons.

128k context

March 2024

Claude 3

Establishes ethics as a competitive advantage. Record window allows for analysis.

200k context

2025

Gemini 3

Native integration into the Android ecosystem. Extreme multimodality.

10M context

2026 – 2028 : The Invisible Army

Millions of agents and robots are invading our daily lives

● Infrastructure ● Corporate ● Consumer ● Quantic ● Robotic ● AI Agent

January 2026
Stargate Project
Largest private investment in AI. Redefining computing infrastructure.
\$500B invest. | 5M GPUs

End of 2026
IPO Anthropic
Record valuation for ethical AI. Claude Enterprise dominates B2B.
Val. \$40B | 60% B2B Share

End of 2027
100k Robots
Humanoids deployed in industry. Priced at \$30k, democratizing the physical auto.
Price 30k\$ | Humanoids

2028
Quantic AI
1000-qubit hybrid quantum computer. Breaking the computing wall.
1000 Qubits | Compute Wall

Mid 2026
Apple Intel.
2 billion devices, largest AI network. On-device/cloud hybridization.
2B devices | \$20B R&D

2026 - 2027
Invisible Army
100M autonomous agents are transforming work. 30% of tasks are automated.
100M agents | 30% Auto.

2028
AI Chips
TPU v7 and ASIC: 10x performance per watt. End of Nvidia's monopoly on AI.
10x Perf/Watt | Post-Nvidia

2026-2030: The Great Consolidation of AI Models

From 153 active or experimental AI models and 42 vendors, to an oligopoly of 25 survivors

Consolidation Phases

1 2026: The Great Purge -60%

Rationalization Criteria
 Capital > \$500M Required
 ARR > \$50M Mandatory
 Distribution > 50M Users

Victims (73 Models)
 "Me-too" without differentiation
 Underfunded startups
 Features sold as products

2 2027 – 2028 : The Great Rebundling -50%

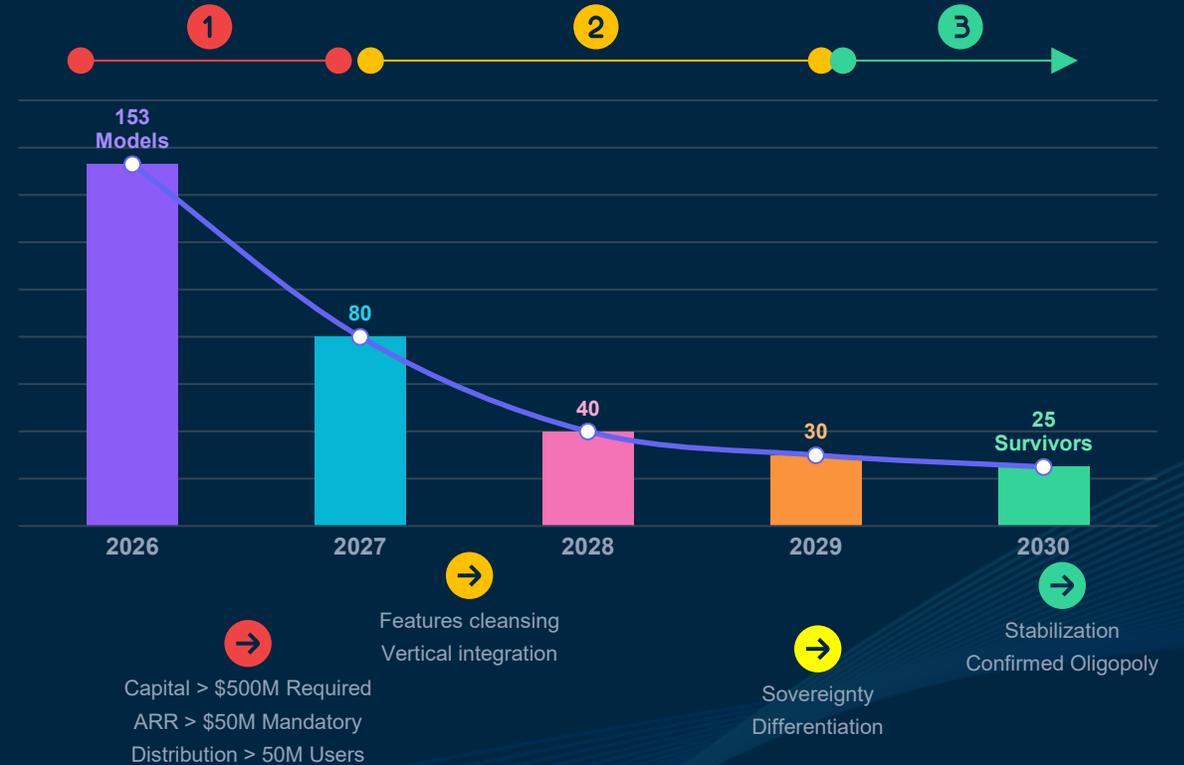
M&A Mechanisms
 30+ major acquisitions
 40 "Features" tools absorbed
 Vertical integration of platforms

Impact (80 to 40 Models)
 Microsoft acquires 8 startups
 Google is integrating 6 specialists
 Anthropic IPO or acquisition

3 2029 – 2030 : The Final Oligopoly STABLE

Market Structure
 Sovereignty: Regional Champions
 Proprietary differentiation
 Locked ecosystem (Network effects)

25 Survivors
 5 Global Giants (70% share)
 5 Regional Champions (15%)
 15 Niche Specialists (15%)



2030 : Top 10 Survivors

84% **Oligopoly** **Value**
 Eliminated 2030 Structure VC New Era

TIER 1 – Global Leaders

OpenAI – 35%
 Google – 25%
 Anthropic – 10%

TIER 2 - Challengers

Meta - OpenSource
 xAI – 5%
 Ernie - 10% (China)

TIER 3 - Specialists

Mistral (Europe) Cohere
 MidJourney
 Perplexity

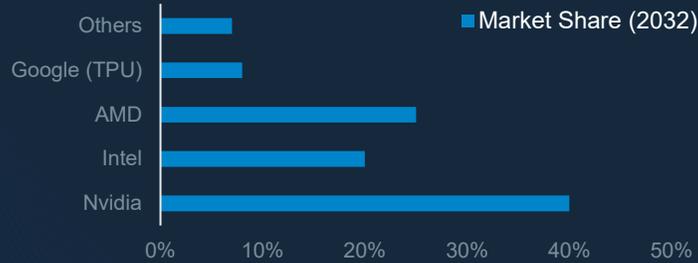
2029 – 2032 : The Great Upheaval

AI is reshaping the global economy and our societies

Silicon War

Fall of the Titans

Nvidia loses its monopoly (2025 to 2032 : -80%). Intel is reborn thanks to chip sovereignty (2025 to 2032 : +85%). Hardware becomes the number one geopolitical issue.



Infrastructure Expenses

Explosion of cumulative costs (\$ Trillions)

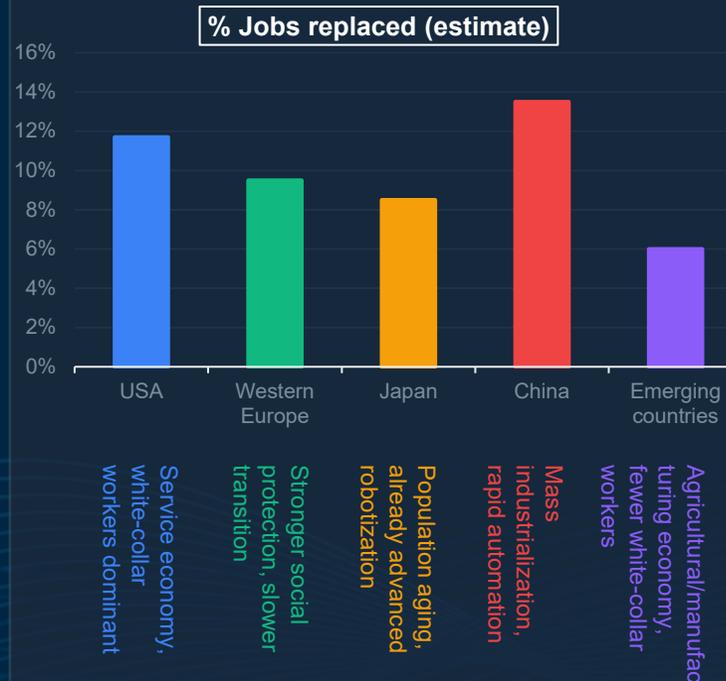
Inc. Data Centres, Chipset, Energy, Network, Training



Social Emergency

The Great Obsolescence

Automation is mainly hitting white-collar workers. Universal Basic Income is no longer a theory, but a necessity for political survival.



Workforce 2.0

Robots Invasion (100k units end of 2027)

Millions of robots in factories and homes. The cost of labor is collapsing.

2029 - 500k units Massive pilot deployment

Vendors : Tesla Optimus (300k), Figure AI (150k), 1X Technologies (50k).
Sectors : Automotive, Logistic, Warehouse (e.g., Amazon)
Unit Price : \$35k

2030 - 2M units Industrialization

Vendors : + Boston Dynamics production, chinese startups (BYD, Xiaomi).
Sectors : + Agriculture, Hospitality, Construction
Unit Price : \$30k

2031 - 8M units Public adoption

Distribution : Industry (5M), Services (2M), Domestic (1M)
Unit Price : from \$15k (domestic model) to \$25k
Impact : massive pressure on manufacturing employment

2032 - 40M units Ubiquity

Worldwide Dist. : USA (15M), China (18M), Europe (5M), RoW (2M).
Sectors : all sectors, inc. Retail & Healthcare
Unit Price : from \$10k (basic model) to \$20k

2033 – 2035 : AGI, the Point of No Return

Metrics of the Technological Singularity

2035 Economic Impact

Source : PWC Global



Global Growth GDT
+\$357 Trillion



Annual AI Revenues
\$8.5 Trillion

Infrastructure

Source : Epoch AI / Forbes



Compute Capacity
(x1000 vs 2025)
10²⁷ Flops



Global Electricity Consumption
8%

Societal Transformation

Source : McKinsey / OECD



Global workforce transformed /
replaced
40%



Active Autonomous Agent
2 Billions

Event Horizon

Source : Sutskever 2025



AGI Estimate
(Probability > 50%)
5 – 20 Years



Major Innovation Cycle
(2M AI Patents per Year)
3 Months

2032 / 2035



AGI

Artificial General
Intelligence



LEADERSHIP. ACTION. RESULTS.SM

ALVAREZ & MARSAL

CONFIDENTIAL – NOT FOR DISTRIBUTION

Alvarez & Marsal Holdings, LLC. All rights reserved. ALVAREZ & MARSAL®,  and A&M® are trademarks of Alvarez & Marsal Holdings, LLC.

© Copyright 2026

