

MANILA HIGH LEVEL DIALOGUE ON ASEAN ITALY ECONOMIC RELATIONS







#### HIGH LEVEL DIALOGUE ON ASEAN ITALY ECONOMIC RELATIONS

#### **Eighth Edition**

November 6, 2024 - Philippines Dusit Thani Hotel, Manila

# PRESENTATION BY

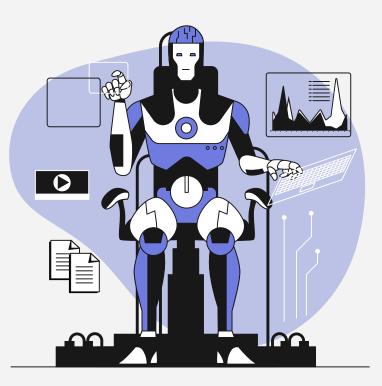




# The Emergence of AI-powered Humanoids

Kimang KHUN High-Level Dialogue on ASEAN-Italy Economic Relations, Dusit Thani Hotel Manila, November 2024







# LLMs are just the beginning.

Integrating Large Language Models (LLMs) is the **trend** in the software market.



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#### The Generative Al Market Map @

A work in progress

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Source: Sequoia









# LLMs are just the beginning.

LLMs with enhanced capabilities and user-friendly are consistently being released.







The growth research into Al agents that can autonomously navigate and operate within digital environments.





#### Project Astra: Our vision for the future of AI assistants, Google I/O 2024

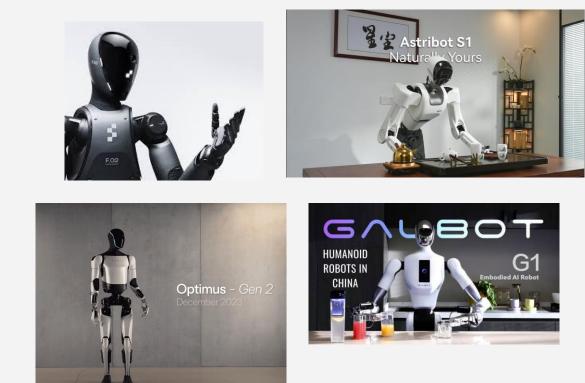


# SPEECH-TO-SPEECH REAS

### LLMs in Robots

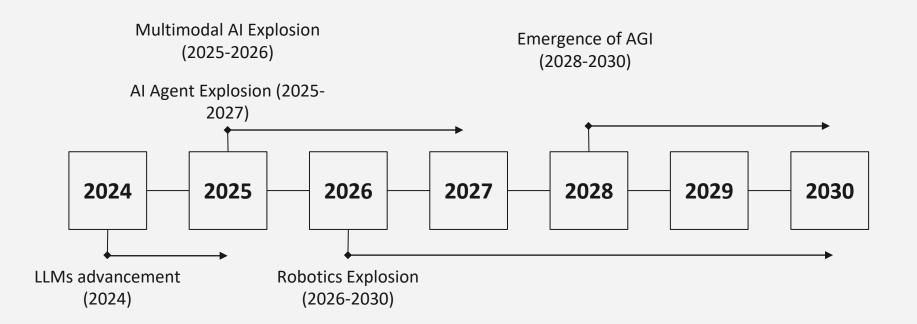


### LLMs is a New Trend in Robotic Industry

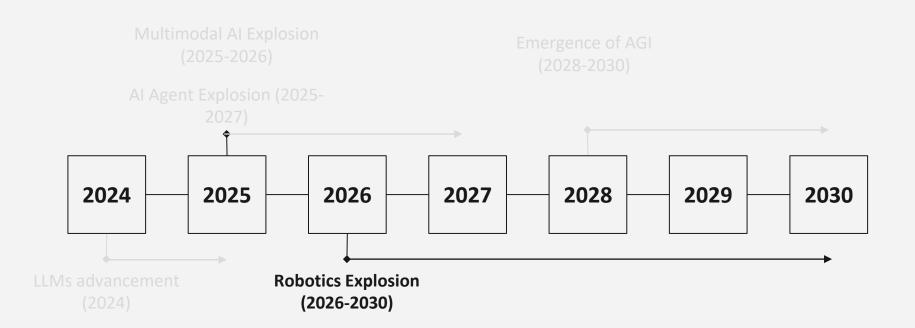












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#### Source: Humanoids: Investment Implications of Embodied AI - Morgan Stanley

Ranked

Industry	US Total Employment (mn)	# Adoptable (mn)	% Adoptable	
Construction and Extraction	6.2	4.4	70%	
Production	8.8	6.0	68%	
Farming, Fishing, and Forestry	0.4	0.3	67%	
Building and Grounds Cleaning and Maintenance	4.4	3.0	67%	
Installation, Maintenance, and Repair	6.0	4.0	66%	ſ
Healthcare Support	7.1	4.6	66%	
Food Preparation and Serving Related	13.2	8.4	64%	
Personal Care and Service	3.0	1.9	61%	
Protective Service	3.5	2.0	58%	
Transportation and Material Moving	13.8	7.6	55%	
Sales and Related	13.4	5.8	43%	
Healthcare Practitioners and Technical	9.3	3.8	41%	ļ
Life, Physical, and Social Science	1.4	0.5	39%	
Architecture and Engineering	2.5	0.8	33%	
Educational Instruction and Libraries	8.7	2.9	33%	
Office and Administrative Support	18.5	4.4	24%	
Management	10.5	1.3	12%	
Arts, Design, Entertainment, Sports, and Media	2.1	0.2	11%	
Business and Financial Operations	10.1	0.6	6%	Ì
Legal	1.2	0.0	2%	
Community and Social Service	2.4	0.0	1%	
Computer and Mathematical	5.2	0.0	0%	
	151.9	62.7	41%	
	Production Farming, Fishing, and Forestry Building and Grounds Cleaning and Maintenance Installation, Maintenance, and Repair Healthcare Support Food Preparation and Serving Related Personal Care and Service Protective Service Transportation and Material Moving Sales and Related Healthcare Practitioners and Technical Life, Physical, and Social Science Architecture and Engineering Educational Instruction and Libraries Office and Administrative Support Management Arts, Design, Entertainment, Sports, and Media Business and Financial Operations Legal Community and Social Service	IndustryEmployment (mn)Construction and Extraction6.2Production8.8Farming, Fishing, and Forestry0.4Building and Grounds Cleaning and Maintenance4.4Installation, Maintenance, and Repair6.0Healthcare Support7.1Food Preparation and Serving Related13.2Personal Care and Service3.0Protective Service3.5Transportation and Material Moving13.8Sales and Related13.4Healthcare Practitioners and Technical9.3Life, Physical, and Social Science1.4Architecture and Engineering2.5Educational Instruction and Libraries8.7Office and Administrative Support18.5Management10.5Arts, Design, Entertainment, Sports, and Media2.1Business and Financial Operations10.1Legal1.2Community and Social Service2.4Computer and Mathematical5.2	IndustryEmployment (mn)# Adoptable (mn)Construction and Extraction6.24.4Production8.86.0Farming, Fishing, and Forestry0.40.3Building and Grounds Cleaning and Maintenance4.43.0Installation, Maintenance, and Repair6.04.0Healthcare Support7.14.6Food Preparation and Serving Related13.28.4Personal Care and Service3.01.9Protective Service3.52.0Transportation and Material Moving13.87.6Sales and Related13.45.8Healthcare Practitioners and Technical9.33.8Life, Physical, and Social Science1.40.5Architecture and Engineering2.50.8Educational Instruction and Libraries8.72.9Office and Administrative Support18.54.4Management10.51.3Arts, Design, Entertainment, Sports, and Media2.10.2Business and Financial Operations10.10.6Legal1.20.00.0Community and Social Service2.40.0	IndustryEmployment (mn)# Adoptable (mn)% Adoptable (mn)Construction and Extraction6.24.470%Production8.86.068%Farming, Fishing, and Forestry0.40.367%Building and Grounds Cleaning and Maintenance4.43.067%Installation, Maintenance, and Repair6.04.066%Healthcare Support7.14.666%Food Preparation and Serving Related13.28.464%Personal Care and Service3.01.961%Protective Service3.52.058%Transportation and Material Moving13.87.655%Sales and Related13.45.843%Healthcare Practitioners and Technical9.33.841%Life, Physical, and Social Science1.40.539%Architecture and Engineering2.50.833%Educational Instruction and Libraries8.72.933%Office and Administrative Support18.54.424%Management10.51.312%Arts, Design, Entertainment, Sports, and Media2.10.211%Business and Financial Operations10.10.66%Legal1.20.02%2%2%Community and Social Service2.40.01%Computer and Mathematical5.20.00%

Adoption begins 2028

Adoption begins 2036

Adoption begins 2040



# AI Farm is the 1st Robotic Company in Cambodia.





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"Living code creator – robot makes robot"

### **OUR MANAGEMENT TEAM**



Kim Khorn Long Founder & Chairman

A serial entrepreneur founding and scaling multiple ventures across deep tech space. 5+ years as a consultant specializing in human rights, humanitarian law, foreign policy, and public policy and collaborated with various international organizations and worked in multiple countries across Asia, Europe, and North America.

Holds a BPhil, in Social Science and has pursued specialized training and degrees in Political Leadership, International Relations, Diplomacy, Human Rights, Humanitarian Law, and ASEAN Studies from RUPP, KASYP/KONRAD ACADEMY, IRI Cambodia, PUC, and NU/CACS.



10+ years across export-import & factory management and market entry strategies for streamlined operations & business growth with a passion in groundbreaking technology.



6+ years across AI, **Reinforcement Learning & Data** Science, and obtained his Ph.D. in Mathematics & Computer Science from University of Grenole Alpes, France.

Mark Guiuo Group CBO in

20+ years of combined professional experience from various industries, focusing on strategic planning & execution, aligning business strategies with market opportunities, overseeing BD, and managing partnerships.

in

React, Vue, TypeScript, NestJS,

Python, Diango, and PostgreSQL

Computer Software Engineering

4+ years across JavaScript,

with a Bachelor's degree in

from Kirirom Institute of

Technology, Cambodia.



Samboth Noung CFO in

Sovichea Tep

Chip R&D Director

8+ years across investment banking skills & corporate advisory. A Chevening scholar with MSc, in Finance & Investment from Brunel University London, UK.



8+ years of experience in HR and talent management and earned a Bachelor's degree in Business Administration from Pannasatra University of Cambodia.

**Maneth Park** CTO - Software

> With a Master's from ENSEEIHT. France, expertise spans 8 years in Electronic System Design and IoT Integration. Additionally, contributed 6 years as an Electronic Eng. instructor at ITC.

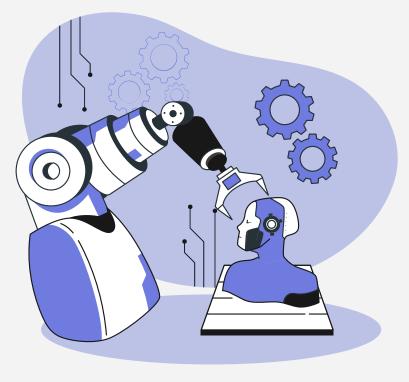
in



With 15+ years of experience in accounting, Maly has a proven track record of leading financial operations and ensuring regulatory compliances. She obtained her Master's degree in Finance from NUM, Cambodia.



# We have at least 3 years.







# Thanks!

### Do you have any questions?

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