



Republic of the Philippines
NATIONAL INNOVATION COUNCIL

NATIONAL INNOVATION TOWARDS A SUSTAINABLE FUTURE

EARL MARTIN VALENCIA

CO-FOUNDER, PLENTINA WEALTH

NATIONAL INNOVATION COUNCIL EXECUTIVE MEMBER – BUSINESS SECTOR REPRESENTATIVE



Earl Valencia

Plentina's Co-founder & President



- Earl was **appointed** by the President of the Philippines as an **Executive Member** representing the Business Sector in the **National Innovation Council of the Philippines**.
- He was previously a Managing Director for Digital Transformation at **Charles Schwab**, a broker-dealer managing over \$3 Trillion dollars in assets headquartered in San Francisco. He also was in the tech and Innovation teams at **Bridgewater**, the world's largest hedge fund and Silicon Valley tech firms **Cisco, VMWare, and Dell EMC**.
- He spent four years in the Philippines and co-founded **QBO**, the National Innovation Center of the Philippines, **IdeaSpace Foundation**, the leading incubator and accelerator based in Manila.
- He was the VP of Corporate Development and Innovation at **Smart/PLDT**.
- For his contributions to Philippine innovation, he was awarded by the President of the Philippines as one of the Ten Outstanding Young Men and Women of the country.

Disclaimer: Opinions expressed today are personal in nature and does not constitute the official position of the National Innovation Council or any of its related agencies

WHAT IS THE NATIONAL INNOVATION COUNCIL?



- × The National Innovation Council (NIC) is a 25-member policy advisory body in the Philippines.
- × It is chaired by the President of the Philippines, NEDA Secretary as Vice-Chairperson, 16 Department Secretaries, and 7 Executive Members from the private sector.



CAN INNOVATION BE THE CATALYST TO
CREATE MEANINGFUL AND SUSTAINABLE
CHANGE IN OUR COUNTRY?



Matatag, Maginhawa, at Panatag na Buhay Para sa Lahat

Pro-active, Smart,
and Innovative People

Competitive and
Resilient Economy

Collaborative and
Reliable Institutions

Efficient, Clean, and
Sustainable
Environment



Learning and
Education



Health and
Well-Being



Food and
Agribusiness



Finance



Manufacturing
and Trade



Transportation
and Logistics



Public
Administration



Security and
Defense



Energy



Blue Economy
and Water



Innovation Ecosystem

NIC



Policy



Infrastructure



Programs



Financing



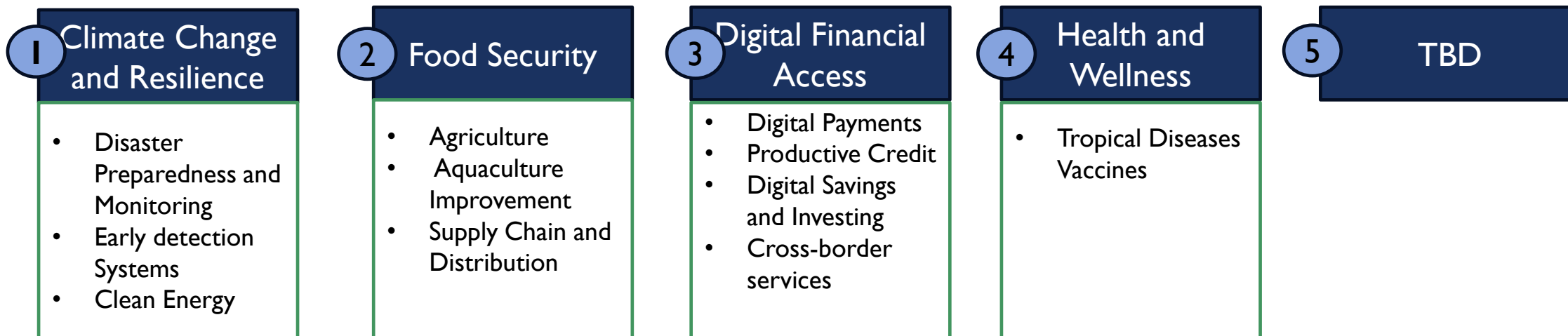
Innovation Enablers

NATIONAL INNOVATION PRIORITY SECTORS

Vision

The Philippines will be #1 or #2 globally in producing **commercialized innovation-driven enterprises in 3-5 sectors** that has the greatest impact to the nation and the world

SECTORS



ENABLERS

Digital Infrastructure: Cloud Computing, Data Processing, AI

Business Infrastructure: Incorporation, Funding, Intellectual Property

Human Capital: University, PhD Level training

SUPPORT IN EACH OF THE STAGES OF INNOVATION DEVELOPMENT

	Research and Development	Ideation	Incubation	Scaling
Goals	<ul style="list-style-type: none"> Creation of Applicable New Knowledge 	<ul style="list-style-type: none"> Validating a technology and market needs that can be commercialized 	<ul style="list-style-type: none"> Launching a product and service to customers and find the ropeable business model 	<ul style="list-style-type: none"> Grow and Expand the business to serve customers locally and globally
Key Innovation Ecosystem Enablers	<ul style="list-style-type: none"> University research projects grants aligned to national priorities areas (DOST, DOH) Investing in training more PhD level researchers in the PH in key areas (DepEd/Ched) Assist in patenting promising technologies (IPOPhil) 	<ul style="list-style-type: none"> Assisting in translating research into commercial technologies (DOST TBIs) Build enabling digital and payments infrastructure to reduce burden of development (DICT,BSP) 	<ul style="list-style-type: none"> Ease of incorporation and doing business in the PH (SEC/DTI) Stimulating “Risk Capital” to be invested into promising concepts (NEDA/NDC, BSP) Creation of National and Regional Innovation Centers (DTI, DILG) 	<ul style="list-style-type: none"> Promote, Invest and support the potential Filipino unicorns (NEDA, SSS, GSIS, SEC) Assist in partnering with government and business sector to adopt tech (DTI)
Key Metrics	<ul style="list-style-type: none"> # of patents # of publications # of researchers and scientists in PH involved in research 	<ul style="list-style-type: none"> # of commercialize prototypes created # of engineers that can commercialize research 	<ul style="list-style-type: none"> # of innovation-driven companies incorporated # of companies that are making revenue or received venture funding Total \$ of early stage venture funding invested to local startups 	<ul style="list-style-type: none"> \$ revenue of innovation-driven companies \$ market cap of innovation driven companies \$ of savings or revenue due to product or service

Note: Post R&D Stages Adopted from the “Three Stages of Disruptive Innovation,” O’Reily and Binns, 2019

GREEN AND INCLUSIVE INNOVATION BUILT ON DIGITAL INFRASTRUCTURE

Competitive and Resilient Economy



Food and Agribusiness



Finance



Manufacturing and Trade



Transportation and Logistics

Efficient, Clean, and Sustainable Environment



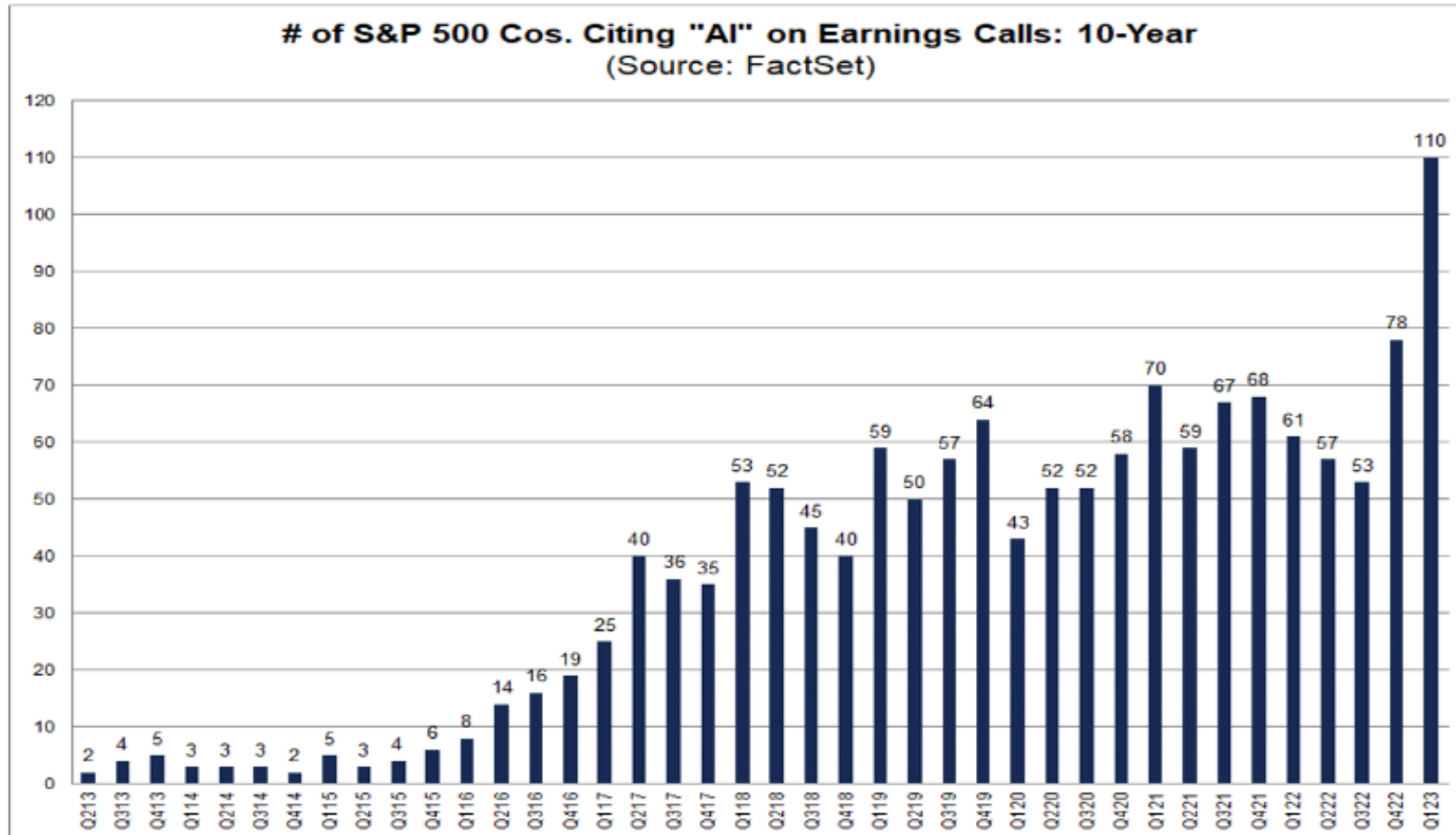
Energy



Blue Economy and Water

Digital Infrastructure: Cloud Computing, Data Processing, AI

Highest number of S&P500 Companies citing AI on Q1 2023 earning calls in over 10 years



CASE STUDY: USING AI FOR REEFS



Insights ▾

Services ▾

Industries ▾

Careers ▾

About Accenture ▾

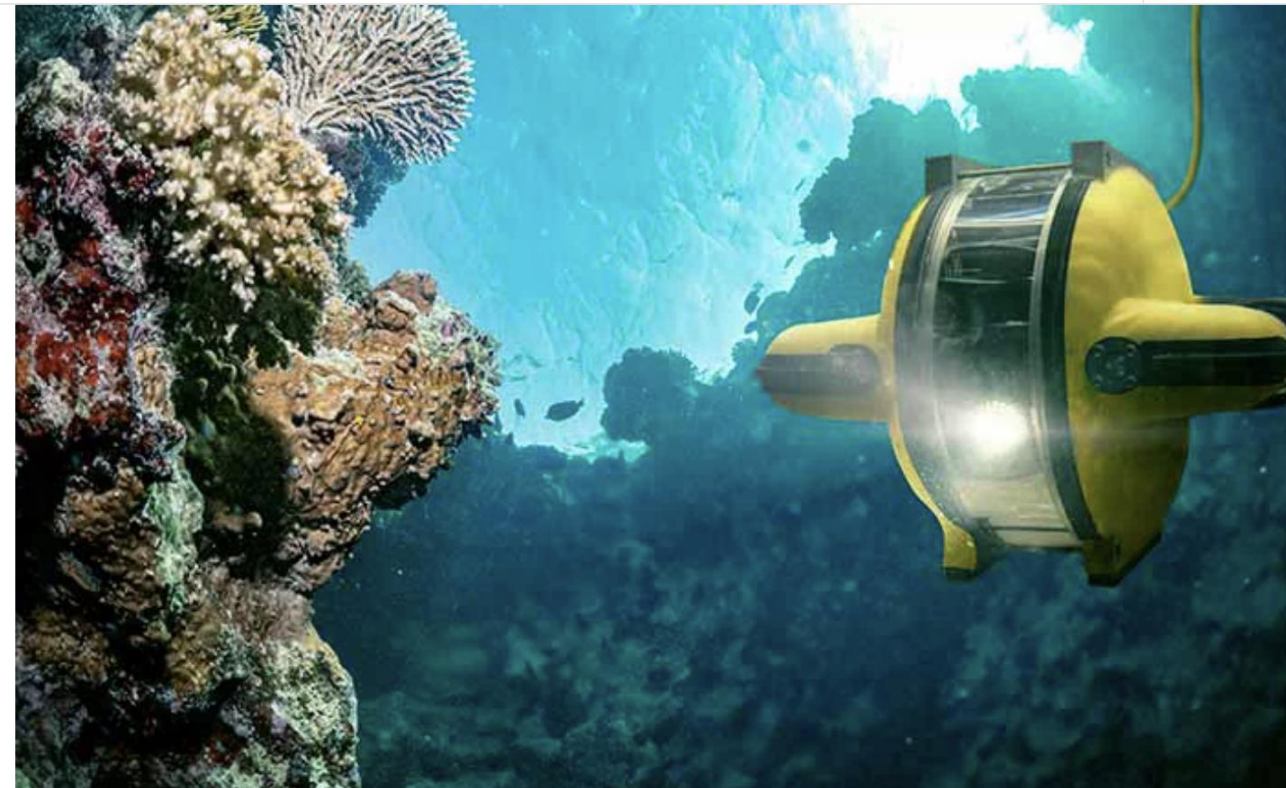


CASE STUDY

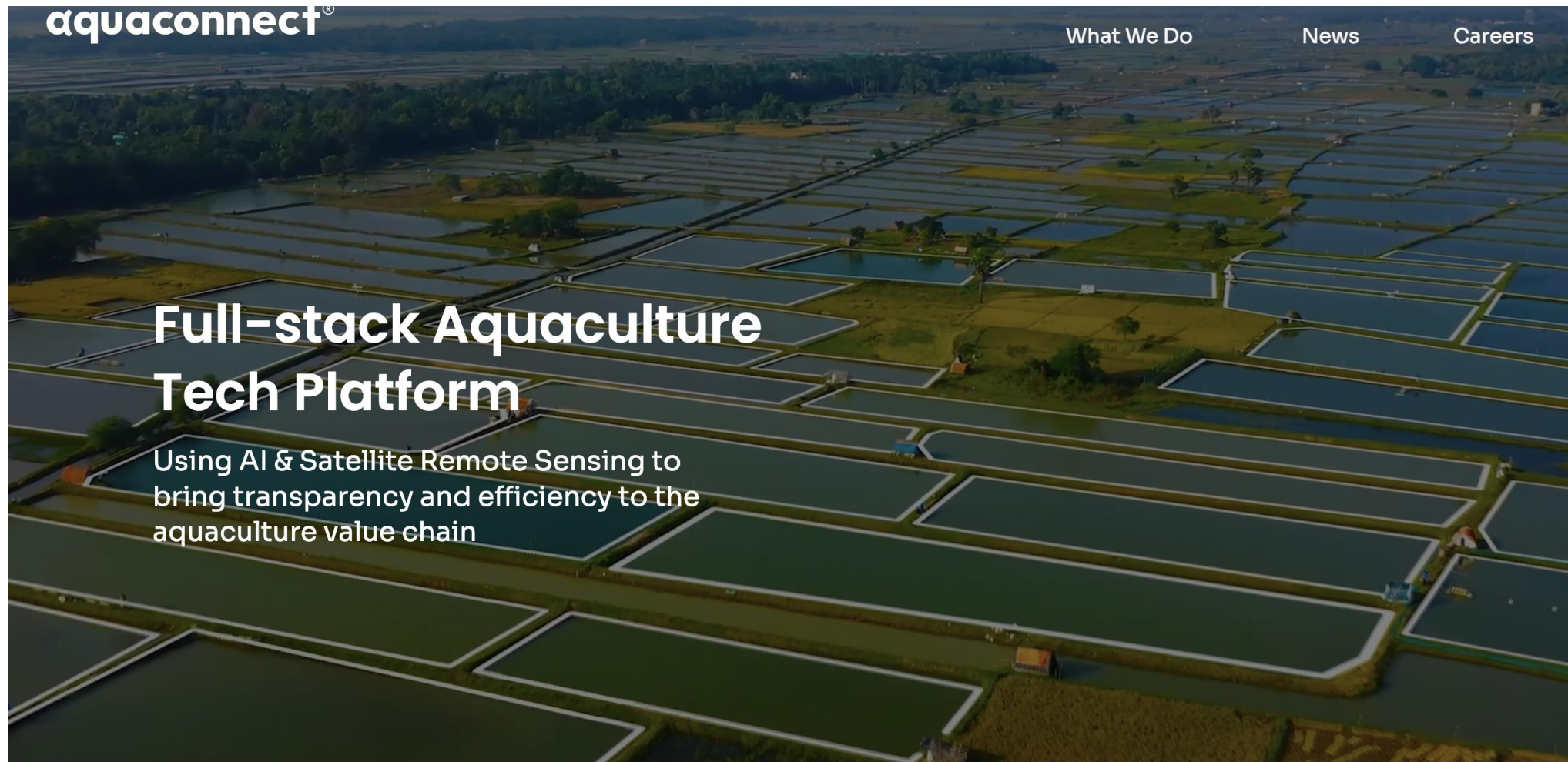
Artificial Intelligence

Raise the reef: AI helps power coral reef restoration

Accenture teamed up with technology and industry partners to develop an innovative solution for restoring the reefs.



CASE STUDY: USING AI TOWARDS AQUACULTURE VALUE CHAIN



CASE STUDY: PLENTINA WEALTH ROBO-ADVISOR



AI transforming wealth management:

- ✓ ***Automate complex tasks***
- ✓ ***Derive insights from vast amounts of data***
- ✓ ***Learn from experiences***

Introducing Plentina Wealth

Automated wealth building for the global Filipino diaspora using Data and AI

← Roboadvisor ×

How would you like to invest

Low Risk
I don't mind low returns

Medium Risk
I prefer moderate returns

High Risk
I want to maximize returns

Continue

← Roboadvisor ×

Plentina Profile

Based on your preferences, here are portfolios we recommend and would not recommend to achieve your goal.

Selected Risk Profile


3
Recommended

Projections Allocations

Overall Risk	Low Risk ⓘ
Fluctuation Range	-5% to +15% ⓘ
Allocation	70% Stocks, 30% Bonds ⓘ
Estimated Annual Returns	8.9% ⓘ

Continue

← Roboadvisor ×



Excellent!

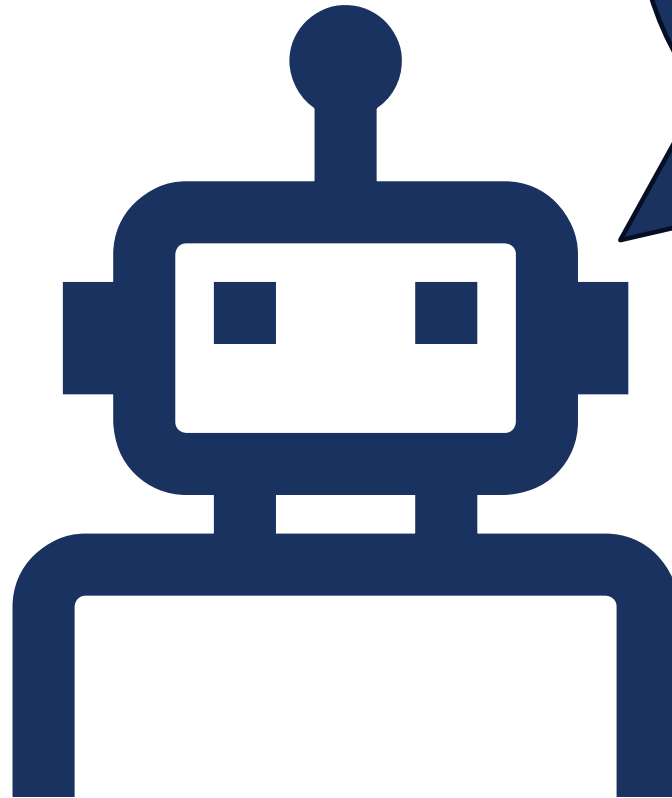
You have successfully created your portfolio.

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View Goal

- Build an automated wealth portfolio in minutes that is typically reserved from the top 0.1%

CAN INNOVATION
BE THE CATALYST
TO CREATE
MEANINGFUL AND
SUSTAINABLE
CHANGE IN OUR
COUNTRY?



YES! THE NATION MUST
ALIGN PRIVATE AND
PUBLIC RESOURCES TO
LEVERAGE INNOVATION
& TECHNOLOGY AND
TO DEMOCRATIZE AND
SCALE IMPACT