

STEMAIDE Innovation Memo



The
FutureList

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MEET THE INNOVATORS



“At STEMAIDE, we are relentlessly pursuing our mission to democratize STEM education making it Affordable, Available and Accessible to every Afrcan student.

Our vision is to empower the next billion in Africa's workforce to reinvent the future and we will not stop until this mission is accomplished.”

A note from the Chief Evangelist Officer, Joshua Opoku Agyemang

Team



Prince Boateng
Asare

Co-Founder
and CEO



Joshua Opoku
Agyemang

Co-founder &
Chief Evangelist
Officer

EXECUTIVE SUMMARY



Sector:
Education



Sub-sector:
Edtech



Website:
stemaide.com



Funding Stage:
Seed



Founded:
2022



Locations:
Ghana



Business Model:
B2B, B2C

STEMAIDE's flagship product, the STEMAIDE Kit, is an affordable, hands-on STEM education toolkit that teaches students across Africa coding, electronics, robotics, and engineering through project-based learning. It ensures access for both urban and underserved communities with localized content and an offline-first platform,

The innovation was inspired by the need to bridge the gap between theory and practice in African education, moving students beyond rote learning to developing future-ready skills. STEMAIDE empowers learners to become creators and problem-solvers, equipping them to shape Africa's future by combining hardware, innovative curriculum and training.



INNOVATION SPOTLIGHT

The STEMAIDE Kit stands out in the STEM education space by combining practical learning, local relevance and affordability. Its unique features make it a powerful tool for equipping African students with future-ready skills.

Key Features:



Hands-On, Problem-Based Learning Approach

The STEMAIDE Kit uses project-based learning to help students build real-life STEM projects, from automated streetlights to smart agriculture solutions, while fostering creativity, problem-solving, and critical thinking.



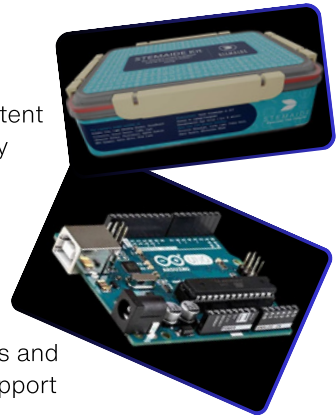
Localized & Curriculum-Aligned

STEMAIDE is designed for African learners. Its content is aligned with local curricula and includes culturally relevant examples and instructions in multiple languages (*English, French and local dialects*).



Affordable & Scalable

STEMAIDE Kits are significantly more affordable, making them accessible to a wider range of schools and families. Bulk models and reusable components support scalability and sustainability.



INNOVATION SPOTLIGHT



Market and Social Impact

STEMAIDE makes STEM education affordable and practical, equipping young Africans with hands-on skills to solve real-world problems, boost employability, and inspire innovation.



Scalability of Innovation

With offline functionality, reusable components, and teacher training, STEMAIDE has distributed over 2,800 kits and is on track to exceed 5,000, making it adaptable for schools across Africa.



Future Outlook

The vision is Pan-African expansion with AI-powered learning platforms, STEM4Good Centers, and upgraded kits integrating robotics, IoT, and renewable energy.



Partnerships

Collaborations with governments, NGOs, corporates, and academia drive scale, provide resources, and ensure integration into local education systems.

Current Partners and Collaborators

- UNICEF
- KOICA
- Mastercard Foundation
- Google
- Women in Tech Benin
- IoT Network Hub
- ALX Ghana
- MinoHealth AI Labs
- GHOne TV
- Responsible AI Labs
- Ghana Education Service (GES) & NACCA
- KNUST & University of Ghana
- Orange Corners, MEST Africa, Ghana EdTech Alliance
- Technaide
- Rotary

INNOVATION IN VIEW

The **STEMAIDE Kit** is transforming STEM education in Africa by focusing on transitioning students from theory to hands-on innovation. STEMAIDE empowers learners to build real-world solutions, such as smart farms and streetlights, shaping tomorrow's innovators.



CONTRIBUTORS

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ABOUT THE FUTURELIST

The FutureList, powered by Sand Technologies, spotlights and connects innovators with investors and strategic growth partners to help scale innovation globally.

PARTNER

Sand Technologies, is an enterprise AI solutions company solving complex problems for enterprises and governments around the world.

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The FutureList



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