

A CHRONICLE OF
BREAKTHROUGHS:

THE INGEN DYNAMICS JOURNEY



Join us at InGen Dynamics - Where the Future Unfolds Today

2015

Founded

\$100_{TN}

**Long Term
Market
Opportunity**

(2-3 Decades)

\$4_{TN}

**Near
Term Market
Opportunity**

(5-10 years)

\$157_{MN}

**Total
funding
commitments**

\$80_{MN}

**Revenue
pipeline**

100+

**Multilingual
team across 12
time zones**

Entrepreneur

In 2015, Arshad Hisham founded InGen Dynamics, that quickly rose to prominence in the artificial intelligence (AI) and robotics industry. Its mission to leverage these technologies for the betterment of human life has positioned InGen as a key player on the international stage, offering innovative solutions designed to improve global living standards.

This narrative explores the evolution of InGen Dynamics, its foundational goals, and the significant market impact it has made. The journey of InGen Dynamics highlights a remarkable path of growth, recognition, and contribution to the field, driven by Hisham's leadership. The company has gained international media attention, prestigious awards, and academic recognition, proving its influential approach in AI and robotics.

[Read the Entrepreneur Feature Article](#)



FAST COMPANY

The AI landscape is abuzz with funding as investors recognize the transformative potential of artificial intelligence. But amid the surge, it is inGen Dynamics that's turning heads, recently making headlines again by securing a three-fold increase in its investment commitment from GEM, soaring from \$50 million to a staggering \$150 million.

With a mission that goes beyond business, inGen Dynamics envisions utilizing advanced AI and robotics to elevate human capabilities and improve living standards worldwide. Their impressive product lineup, expanding research, and the recent influx of investor confidence, including GEM Global's significant increased commitment, all point towards an exciting trajectory for the company.

[Read the Fast Company Feature Article](#)

GEM increases Investment Commitment for inGen Dynamics to \$150 Million, Accelerating the AI and Robotics Evolution



The canvas of AI and robotics is being ceaselessly painted with strokes of ingenuity and promise. At the forefront of this transformation is a pioneering company, inGen Dynamics. Founded in 2015, inGen stands at the confluence of AI, robotics, and technological innovation, committed to a mission far grander than financial gain. Its goal? To utilize advanced AI and robotics to elevate human capabilities and improve living standards globally.

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Redefining the Future of AI & Robotics: A Journey with InGen Dynamics and Its Visionary Founder, Arshad Hisham

Founded in 2015 by Arshad Hisham, inGen Dynamics has since been a shining star in the field of Artificial Intelligence (AI) and Robotics. The company has been making a distinct mark on the global AI industry, with its impactful offerings aimed at enhancing

— AUSTRALIAN — POPULAR SCIENCE

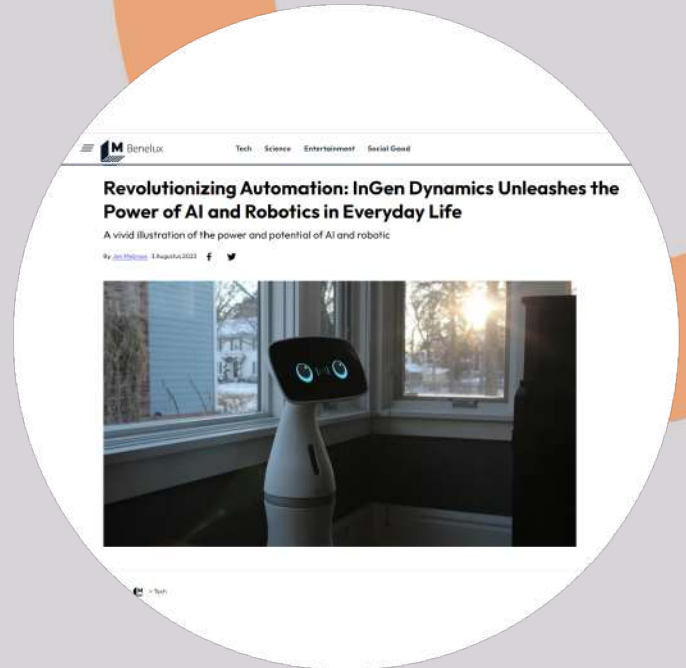
Despite being just over eight years old, InGen has established a formidable suite of products like Sentinel, Aido, Kaiser.Haus, and Origami. The year 2023 marked an important milestone, with the company starting to ship tabletop units worldwide, and their wheel mobility units making their mark in the market. The same year also saw the launch of the inGen Carry & Go and an impressive \$80M revenue pipeline across all product lines. The investment commitment from GEM grew from \$50M in 2021 to a whopping \$150M, exemplifying the investors' unwavering faith in the company's vision and trajectory.

[Read the Popular Science Feature Article](#)

Mashable

InGen Dynamics is not just a tech company; it's a beacon for progress. With its compelling vision and innovative products like Aido and Aido Carry & Go, it serves as a vivid illustration of the power and potential of AI and robotics. As we collectively navigate the technological landscape, we can confidently say that the future of AI and robotics looks brighter with InGen Dynamics at the helm.

[Read the Mashable Feature Article](#)



Revolutionizing the Future: InGen Dynamics' Phased Approach to Robotics and AI

Imagine living in a world where robots perform monotonous and risky tasks, enabling us to focus on tasks requiring creativity, emotional intelligence, and human judgment. Sounds like a science-fiction movie, right? However, thanks to InGen Dynamics, we are poised to enter an era of advanced artificial intelligence (AI) and robotics that aim to elevate human capabilities.

POPULAR SCIENCE

Imagine living in a world where robots perform monotonous and risky tasks, enabling us to focus on tasks requiring creativity, emotional intelligence, and human judgment. Sounds like a science-fiction movie, right? However, thanks to InGen Dynamics, we are poised to enter an era of advanced artificial intelligence (AI) and robotics that aim to elevate human capabilities. More than a business, it's a mission to utilize advanced AI and robotics to elevate human capabilities and improve living standards worldwide. What sets them apart is their unique phased approach and commitment to modular service robotics, particularly evident in their Aido line of products.

[Read the Popular Science Feature Article](#)

A LETTER FROM OUR FOUNDER

Dear Stakeholders, Employees, Partners, Customers, and Investors.

I am writing to you today as the founder of InGen Dynamics, a company that stands at the confluence of AI, robotics, and a rapidly evolving technological landscape. I am thrilled to share with you why this is a particularly exciting time to be part of our journey. As we collectively steer towards a future where AI and robotics are integral components of our daily lives, InGen Dynamics is positioned at the forefront of this transformation, playing a pivotal role in shaping the course of history.



For all of us, this is more than just a business – it's a shared mission to utilize advanced AI and robotics to elevate human capabilities and improve living standards worldwide. With our formidable suite of products, such as Futureonauts, Quantum Leap, Sentinel, Aido, Kaiser.Haus, and Origami, we are well-prepared to address the growing need for automation, driven by the Future of Work, the labor shortage crisis, the need for Service Robotics, and the pursuit of Environmental Sustainability. Moreover, our commitment to enhance human life and productivity extends far beyond financial gains, with a vision for a better, safer, and more efficient future for humanity.

Together, we're harnessing AI and robotics to uplift human potential and global living standards. Our pride, the Sentinel enterprise asset management and security solution, alongside the smart automation Kaiser.Haus products, have already exceeded a staggering 750,000 hours of field operations. As for the Aido line, several of our tabletop pre-production units are already being manufactured and distributed across the globe for feedback. The Aido Wheel Mobility hit the market in Q3 2023, while Aido Ball Mobility is hotly anticipated for late Q3 2025. We're proud to share that our initial Aido Carry & Go units, tailor-made for hospitality and retail, were introduced in Q4 2023, with pilot runs taking place globally, including selected North American locales. Not to forget, the Fari, Kobe, and Senpai bundles have been unveiled in the same quarter. While Rover and Humanoid are still in the R&D phase, we're eagerly awaiting the prototype release in 2024.

Futureonauts is our comprehensive initiative which received a lot of traction in the last year, designed to equip participants from high school to professional levels with advanced AI, robotics, and automation skills. Through the Futureonauts Launchpad, Internship, B. Tech, Professional Edge, Signature Series, and AI for All programs, we're preparing a diverse demographic to face future technological challenges and seize opportunities. These educational pathways are customized to enhance practical problem-solving skills and theoretical knowledge, setting new standards in tech education.

Our transformative AI and Automation Framework, the inGen Quantum Leap, is meticulously crafted to enhance operational efficiency and boost competitiveness across industries. Through strategic integration of AI, Automation, machine learning and data analytics, we're not just transitioning businesses to automated systems but are setting the foundation for continuous technological leadership. The InGen Insight Engine and Implementation Orbit ensure that our solutions are seamlessly integrated and continuously aligned with our clients' evolving needs.

Witness these innovations firsthand here: <https://vimeo.com/ingendynamics>

From a financial perspective, we're seeing strong momentum. Sentinel and Kaiser.Haus are revenue-generating boasting nearly 750,000 operational hours. Aido Carry & Go and Origami AI platform are showing promising revenue pipelines of \$18M and \$35M respectively. Further our Aido product range including the Carry & Go envisions a net revenue of \$45M. And our Rover and Humanoid are set for a 2025/2026 debut.

As we forge ahead, we're excited about by anchor investor GEM's increased \$150M commitment and the continued support of nearly all our previous investors.

Join us in redefining industries, revolutionizing how we live, and making a mark in history. Together, let's shape a tech-driven future for the betterment of all.

Warm regards,

Arshad Hisham

Arshad Hisham
Founder and CEO



THE GENESIS

(2016)

In 2015, the foundations of InGen Dynamics were laid down with a simple but monumental ambition: to utilize advanced AI to elevate human capabilities. Founded by Arshad Hisham, InGen Dynamics aspired to stand at the confluence of AI, robotics, and a rapidly evolving technological landscape.

2016 witnessed a media blitz with major outlets like Russia Today TV, Japanese TV, and America's Greatest Makers Intel taking note of our mission. Our maiden product, Aido, was dubbed a game-changer by T3. Aido, a cutting-edge robot with AI capabilities, provided the perfect vanguard for InGen's mission. The company's culture from the start: zero corporate bloats, a commitment to moving fast and taking risks, and a product-first, mission-driven mindset.



THE TAKEOFF

(2017 - 2019)

The following years saw InGen taking flight, introducing various versions of its AI products. The world started noticing our technological prowess, with profiles on Discovery Science, Vox German TV, and Channel 4 UK. The first version of the Fari bundle was released in 2019, a product specifically designed to assist older adults, marking our foray into the healthcare sector.

Our commitment to research and knowledge was evident as we were featured globally in various textbooks and academic papers, including the University of Plymouth, the University of Pennsylvania, and MIT. Regularly invited to panels and received awards InGen's growing influence was showcased on the AI and robotics industry.



THE MOMENTUM

2020 - 2021

InGen's journey took an upward trajectory in the next two years. 2020 saw the launch of the Sentinel Prime modules, an essential product in our lineup, serving critical industries by ensuring safety and surveillance. We further consolidated our position with our AI platform – Origami, attracting \$35M in platform commitments.

With this momentum, 2021 brought about an increased focus on our mission.



THE BREAKTHROUGH

(2022 - 2023)

The recent years have been a breakthrough for InGen Dynamics. As of 2023, we have completed 750,000 hours of operation for our Sentinel and Kaiser line of products. Our international reputation solidified with features in Mashable, Fast Company, and Popular Science Australia. InGen's potential for growth was further validated, with the Global Emerging Markets (GEM) increasing its investment commitment from \$50M in 2021 to \$150M in 2023.

Our product portfolio expanded to include Aido Wheel Mobility units and Carry & Go, shipping them worldwide. This expansion propelled us past the \$80M mark in revenue pipeline across all product lines, demonstrating our solutions' vast commercial appeal and utility.



THE EPILOGUE - **ONGOING JOURNEY**



InGen Dynamics is a shining example of a dream realized, transitioning from a fledgling start-up to a formidable presence in AI and Robotics. We have cultivated an environment of relentless positivity and optimism, propelled by a strict policy against corporate politics and a tireless emphasis on our mission.

The journey, however, is far from over. As we look to the future, we see enormous potential in AI and robotics. We will continue to focus on enhancing human life and productivity through our products. The goal is not just financial gain but shaping humanity's better, safer, and more efficient future.

InGen Dynamics plans to deepen its AI capabilities, expand its product portfolio, and forge ahead with scaling volume manufacturing. As we step into this exciting future, we remain committed to our mission - harnessing the power of AI and robotics to shape a better world for all. Together, we can create a future where technology truly serves the greater good.

THE FUTURE

We've secured our place within the 21st-century technological landscape thanks to our steadfast commitment to our mission and the cultivation of a goal-oriented culture. We find ourselves on the brink of significant breakthroughs in AI and robotics, driving a remarkable trajectory for our future. This path is shaped by our innovative products, dedicated team, and shared goal of an enhanced, safer, and more streamlined world. The evolving story of InGen Dynamics is an extraordinary testament to the vision, innovation, and unrelenting pursuit of a transformative future.



AI, AUTOMATION AND ROBOTICS

The Futurenavts Series is a pioneering initiative designed to equip diverse demographics with cutting-edge skills in AI, robotics, and automation. Each program within the series is meticulously tailored to meet the specific needs and challenges of its participants, ranging from high school students to seasoned professionals across various sectors. For high school students, the Futurenavts Launchpad provides a foundational education in advanced technologies and critical thinking skills necessary for future innovators.



Futurenavts Programs



INTERNSHIP
FOR COLLEGE GRADUATES

The Futurenavts Internship program offers a dynamic and immersive experience for college graduates eager to delve into the fields of AI, robotics, and...

[Read more](#)



LAUNCHPAD
FOR HIGH SCHOOL STUDENTS

The Futurenavts Launchpad program is a specially designed initiative for high school students aimed at sparking interest and building foundational skills...

[Read more](#)



B.TECH
A BACHELORS DEGREE

The Futurenavts B.Tech program is a forward-thinking initiative designed to prepare students for the rapidly evolving fields of AI, robotics, and...


[Read more](#)



PROFESSIONAL EDGE
FOR PROFESSIONALS

The Futurenavts Professional Edge program is tailored specifically for working professionals seeking to advance their careers by integrating cutting edge AI...

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AI FOR ALL
AI EDUCATION FOR ALL

The Futurenavts AI for All program is specifically designed to demystify artificial intelligence for professionals across various sectors, regardless of their technical...

[Read more](#)



SIGNATURE SERIES
CUSTOM CORPORATE PROGRAMS

The Futurenavts Signature Series is a premier custom corporate development program tailored to meet the specific needs of individual organizations seeking...

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Futurenavts
AI for All Signature Series

Step into the future of intelligent business with the Futurenavts AI for All Signature Series, designed to demystify the world of artificial intelligence...


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Launchpad Mini
FOR PRIMARY SCHOOL STUDENTS

The Futurenavts B.Tech program is a forward-thinking initiative designed to prepare students for the rapidly evolving fields of AI, robotics, and...


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Launchpad Tinytots
FOR PRE SCHOOL

The Futurenavts Signature Series is a premier custom corporate development program tailored to meet the specific needs of individual organizations seeking...

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Launchpad Junior
FOR MIDDLE SCHOOL STUDENTS

The Futurenavts Signature Series is a premier custom corporate development program tailored to meet the specific needs of individual organizations seeking...

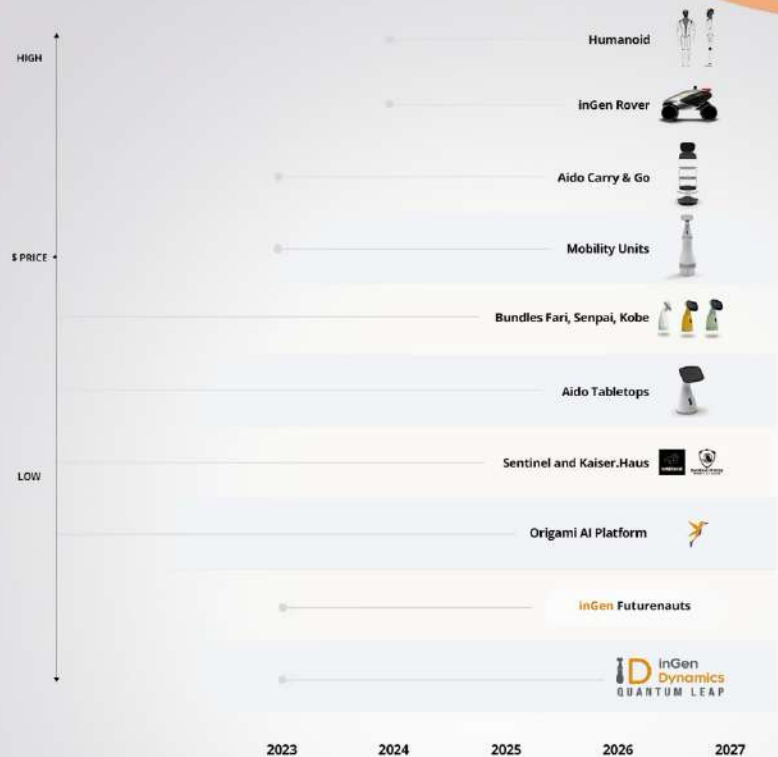
[Read more](#)

OUR PHASED APPROACH

A Phased Approach to Revolutionize Human Capabilities

InGen Dynamics is committed to harnessing advanced Artificial Intelligence to revolutionize human capabilities. Central to this commitment is our unique phased approach, designed to address the growing need for automation, driven by the Future of Work, the market for Service Robotics, the labor shortage crisis, and the pursuit of Environmental Sustainability. At the heart of our roadmap is the Origami AI platform, the cornerstone of our AI architecture. This integrated AI system has accumulated our knowledge and expertise since 2015. It guides our progress as we strive to create increasingly sophisticated products and robots.

The first stage of our strategy involves integrating our Aido Units, which function as our primary robot platform. Equipped with various mobility add-ons, Aido is set to impact different sectors significantly.



We are also preparing to introduce the Aido Carry & Go into the workforce, which is specifically designed to cater to the needs of the retail, hospitality, and restaurant industries. Other specialized product lines include Fari, focused on healthcare, Senpai on education, and Sentinel on surveillance. By providing tailored solutions for these industries, we address immediate market needs and play a significant role in overcoming current labor shortages. We continually work on improving our AI, system hardware, safety, and manufacturing capabilities, ensuring that we consistently deliver state-of-the-art, practical solutions to our customers.

OUR CULTURE

At Ingen Dynamics, we envision the future where general-purpose robots and AI products eliminate dangerous and unpleasant jobs, paving the way for happier and more fulfilling lives for future generations. To achieve this, we've built our company culture around five key pillars that guide our actions and decision-making processes. In this article, we'll take a closer look at these principles that form the foundation of our organizational culture.

ZERO CORPORATE BLOAT

Ingen Dynamics is committed to attracting talented individuals who prioritize making a positive global impact and fostering a high-performance culture. We understand that corporate bloat can impede innovation and demoralize team members, so we stay lean and agile, focusing on tasks and projects that contribute directly to our mission.

ZERO TOLERANCE FOR CORPORATE POLITICS

Corporate politics can detract from our mission and harm our commitment to maintaining an ethical and fair work environment. That's why we've implemented a zero-tolerance policy for office politics. Our transparent and collaborative culture values teamwork, innovation, and excellence over personal agendas or political gamesmanship.

MOVE FAST AND TAKE RISKS

Progress is often hindered by indecision and a fear of failure. At Ingen Dynamics, we tackle complex technological challenges by embracing experimentation, testing, and calculated risk-taking. We're unafraid to explore the unknown, learn from our failures, and push the boundaries of what's possible.

MISSION-DRIVEN WITH A PRODUCT-FIRST MINDSET

Our mission and products are inextricably linked: to bring commercially viable robots and AI solutions to market. United by this shared commitment, our team of builders, designers, and engineers continuously focuses on delivering secure, high-quality products while avoiding distractions and unrelated tasks.

PROGRESSIVELY OPTIMISTIC

Creating a brighter future through robotics and AI is an immense challenge that demands perseverance, creativity, and resilience. We're humbled by the scale of our undertaking and strive to maintain an optimistic outlook, even when confronted with formidable obstacles.

The five pillars of Ingen Dynamics' culture - zero corporate bloat, zero tolerance for corporate politics, moving fast and taking risks, a mission-driven product-first mindset, and progressive optimism - are the foundation on which we build our future. By adhering to these principles, we drive innovation, create a positive work environment, and focus on our mission of revolutionizing the world with AI and robotics.

HISTORY

Since our first product launch in 2017, we have evolved and continuously improved our core technology. Over the years, we've gained many new insights and experiences that have pushed our leadership and challenged our engineers to develop further capabilities and use cases. We harness the power of Robotics and AI to solve complicated real-world challenges and then use this knowledge to build incredibly simple and highly functional solutions in their deployment.

PRODUCT DEVELOPMENT



COVERAGE

PRESS



TV/RADIO



AWARDS/EVENTS



PAPERS/BOOKS/ACADEMIA



FUNDING

FUNDRAISING, PARTNERSHIPS, SALES EVENTS

