DeepTech Industry in Miami Landscape Overview

February 2024

DEEP KNOWLEDGE GROUP

Table of Contents and Introduction

Introduction

This platform delves into the remarkable ascent of Miami as a new epicenter for DeepTech innovation, tracing its journey from a burgeoning idea to a thriving reality.

Anchored by pivotal investments and a visionary tweet from Mayor Francis Suarez, it explores the strategic maneuvers and collaborative efforts that have propelled the city into the tech spotlight.

Highlighting significant milestones, from substantial venture capital infusions to the educational sector's expansion, this narrative captures the essence of Miami's transformation. It embodies the Deep Knowledge Group's perspective on leveraging technological advancements for societal benefit, positioning Miami as a beacon of progress in the DeepTech domain.

Introduction

The journey of Miami's DeepTech sector is a testament to strategic vision, collaborative effort, and a relentless drive towards innovation. As this document unfolds, it explores Miami's transformation from a sun-soaked paradise known for tourism and nightlife into a burgeoning epicenter of technological advancement. This narrative is underpinned by the city's adeptness at leveraging its unique geographical position, multicultural diversity, and entrepreneurial spirit to attract talent, investment, and cutting-edge startups from around the globe. At the heart of this transformation are the strategic collaborations between academia, government, private sector, and non-profits. These partnerships have created a fertile ground for innovation, providing both the financial support and the intellectual capital necessary to drive growth in sectors like AI, blockchain, and biotech. Miami's educational institutions, notably, have adapted swiftly, expanding their tech-focused programs to produce a workforce skilled in the demands of a rapidly evolving tech landscape.
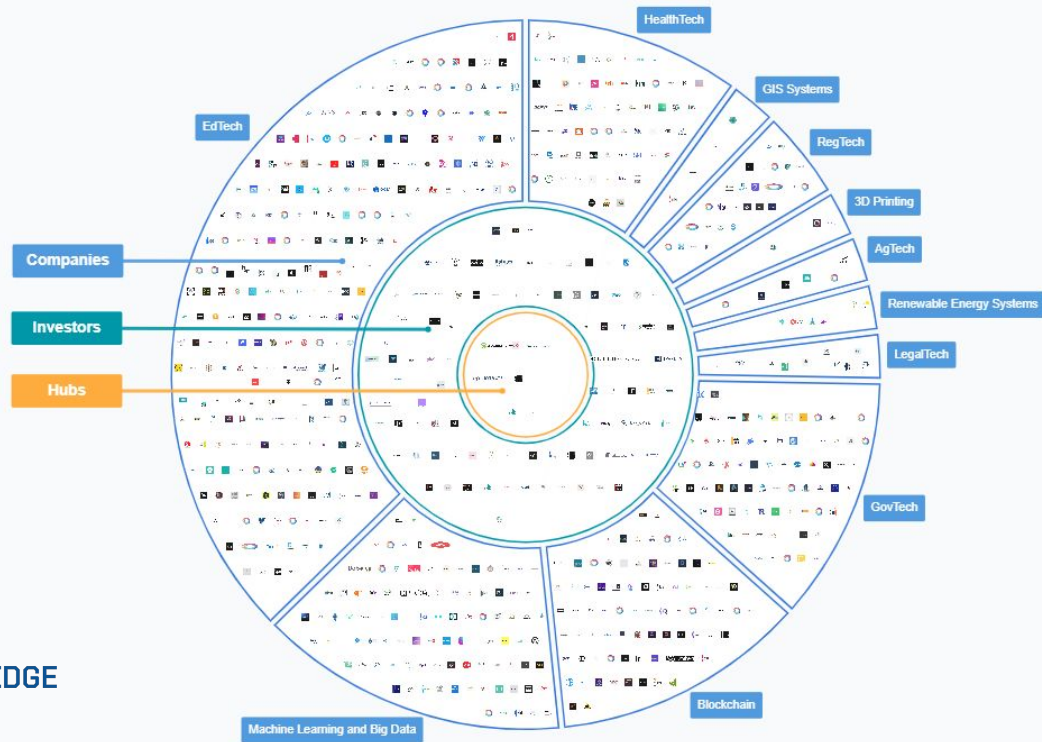
Government initiatives have also played a crucial role, offering incentives and support to make the city an attractive destination for tech entrepreneurs and established companies alike. This, coupled with Miami's appeal as a culturally rich, vibrant city, has made it a magnet for international talent, further enriching its tech ecosystem. As we look to the future, the document highlights Miami's potential trajectory in the DeepTech industry. With continued investment in infrastructure, a focus on inclusivity and diversity, and a commitment to fostering a supportive environment for startups, Miami is on the brink of establishing itself as a global leader in technological innovation. This evolution not only promises to redefine the city's identity but also to contribute significantly to addressing global challenges through tech-driven solutions.

Through detailed analysis, expert insights, and a forward-looking perspective, this document aims to provide a comprehensive overview of the DeepTech sector's development in Miami. It serves as both a chronicle of the city's journey so far and a blueprint for its future, illustrating the pivotal role of technology in shaping economic landscapes and driving societal progress.

DeepTech Industry in Miami

Platform Overview

HealthTech

GIS Systems

RegTech

EdTech

3D Printing

AgTech

Renewable Energy Systems

Companies

LegalTech

Investors

Hubs

GovTech

Blockchain

Machine Learning and Big Data

Companies - 620
Investors - 85
Hubs - 8

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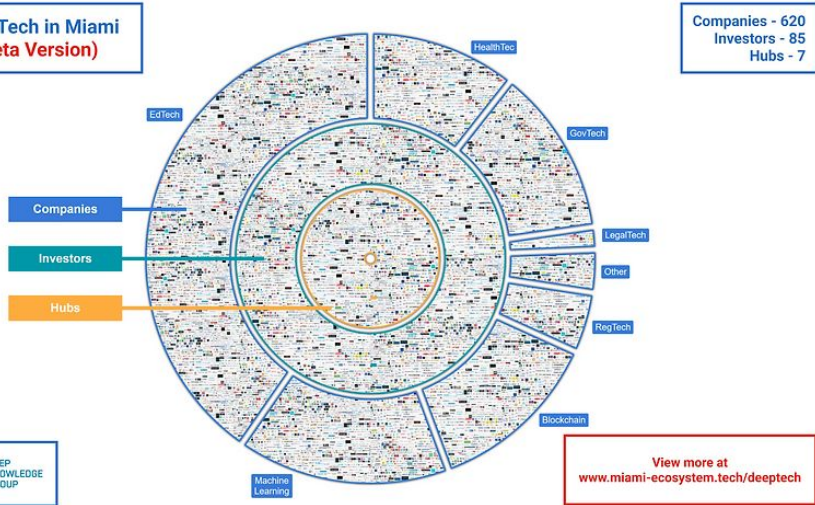**Source:** *DeepTech in Miami - Interactive Mindmap*

DeepTech Industry in Miami (Beta Version)

The DeepTech Industry in Miami platform offers a unique overview of Miami's advanced tech industry ecosystem, presenting interactive profiles, mindmaps, and databases of 620 companies, 85 investors, and 7 hubs. Their innovative approaches are contributing to the advancement of such fields as HealthTech and BioTech, AI Infrastructure, Machine Learning and Big Data, GovTech, Finance and Banking, and many other important sectors. The creation of a strong DeepTech ecosystem in Miami depends on the cooperative efforts of businesses, governments, and hubs, which are represented on this platform.

620 Companies

250 EdTech Companies

100 DeepTech Leaders

85 Investors

712 Total Organizations

60 Startups

11 Sectors

7 Hubs

2 Startups each month

DeepTech in Miami (Beta Version)

Companies - 620
Investors - 85
Hubs - 7

HealthTec
EdTech
GovTech
LegalTech
Other
RegTech
Blockchain
Machine Learning

Companies
Investors
Hubs

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View more at
www.miami-ecosystem.tech/deeptech

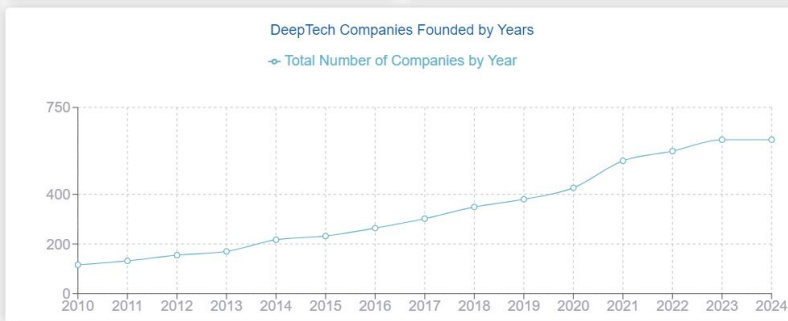***Source:*** *DeepTech Ecosystem in Miami*

Platform Overview

DeepTech in Miami

Companies **620**

Leaders **100**

Total Investors **85**

BETA VERSION
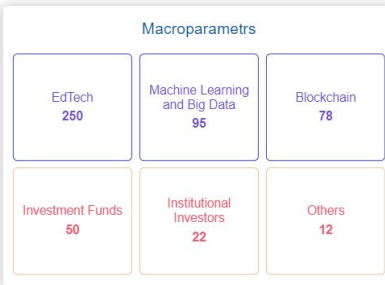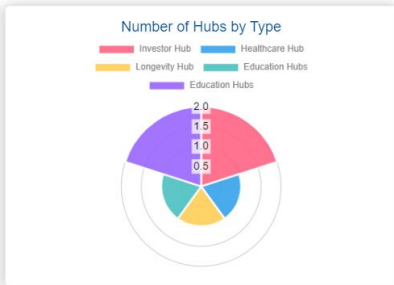
Number of Hubs by Type
Investor Hub | Healthcare Hub | Longevity Hub | Education Hubs | Education Hubs

Macroparametrs

| EdTech 250 | Machine Learning and Big Data 95 | Blockchain 78 |
| Investment Funds 50 | Institutional Investors 22 | Others 12 |

Companies (bar chart)
- EdTech
- Blockchain
- GovTech
- Machine Learning and BigData
- HealthTech
- RegTech
- Other

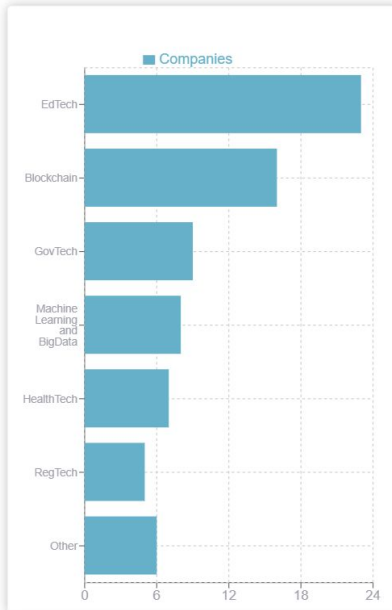**DeepTech Companies Founded by Years**
Total Number of Companies by Year

The DeepTech Industry in Miami platform offers a unique overview of Miami's advanced tech industry ecosystem, presenting interactive profiles, mindmaps, and databases of 620 companies, 85 investors, and 7 hubs.

Their innovative approaches are contributing to the advancement of such fields as HealthTech and BioTech, AI Infrastructure, Machine Learning and Big Data, GovTech, Finance and Banking, and many other important sectors. The creation of a strong DeepTech ecosystem in Miami depends on the cooperative efforts of businesses, governments, and hubs, which are represented on this platform.

Source: *DeepTech Ecosystem in Miami*

DeepTech Industry in Miami Summary

Miami AI Companies by Sectors

EdTech	250
Machine Learning and Big Data	95
Blockchain	78
GovTech	75
HealthTech	66
Other	56

Focus Area of Investors

Technology - oriented Investor with Venture Investment Focus	71
Other	9
Investors with Large AUM (Assets Under Management)	4
Technology - oriented Investor with Specific Investment Approach	1

Investors by Money Investment

Medium Investments	45
Other	29
Small Investments	4

Miami DeepTech Startups

Total startups	60
Deeptech startups launching every month, average	2

Investors by type

Venture Capital	45
Other	16
Family Investment Office	10
Accelerators	9
Investment Bank	6

DeepTech Hubs in Miami

Accelerators	5
Incubators	1
Other	1

620 COMPANIES

60 STARTUPS

85 INVESTORS

712 ORGANIZATIONS

45 VENTURE CAPITAL INVESTORS

45 MEDIUM INVESTMENTS

7 HUBS

Source: *DeepTech Ecosystem in Miami*

DeepTech Industry in Miami Knowledge Hub Beta Version

| Scientific & IT Resources	Education & Collaboration	Media & Trends	Rankings & Top Leads	Online Communities
20 AI Books	25 Conferences in Miami	40 Miami Leaders Interviews	620 Miami DeepTech Companies	20 Linkedin
20 AI Journals	20 Workshops in the Miami	25 Podcasts by Miami experts	100 DeepTech Leaders	20 Facebook
200 AI Articles	20 Miami Certification Programmes	50 Miami Blogs	85 Investors	10 Reddit
15 AI Benchmarks	20 Miami University Programs	500 News in the Miami	60 Startups	10 GitHub
40 AI Reports	20 Online Courses in the Miami	100 Social Networks in the Miami	7 Hubs	10 Quora
40 AI Databases	20 Lectures by Miami Leaders	10 Market Trends in the Miami	10 Miami Cities	10 Twitter
10 AI Software	20 Miami Research Projects	10 Miami Diversity Trends	30 Consulting Services in the Miami	10 Discord
20 AI Models	20 Scholarship Funds in the Miami	10 Women Leading the Field	20 Miami Universities	10 Other Forums

Source: Miami Knowledge Hub

DeepTech Industry in Miami

Recent Developments and Current State

DeepTech Industry Analytical Framework
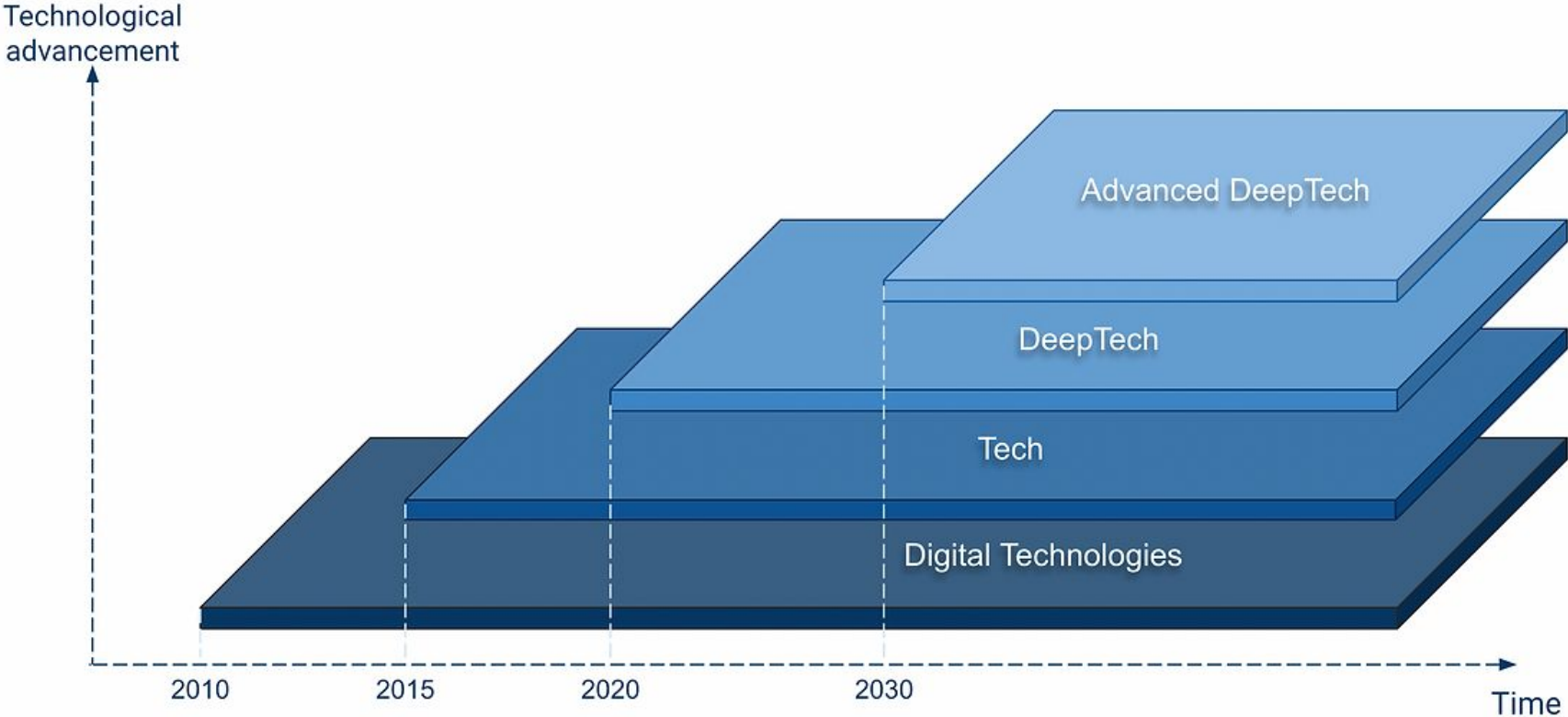
DeepTech Industry Analytical Framework: Digital Technologies

Tech

Drones Development

Seed Technologies

Waste Management

Geopositioning Technologies

Business Development Technologies

Avionics and Flight Vehicles

Electrical Vehicles

Telecommunication Technologies

Chemicals and Chemical Synthesis

Optical Manufacturing

Automation Technologies

DeepTech Industry Analytical Framework: Tech

DeepTech Industry Analytical Framework: DeepTech

Advanced DeepTech

Longevity and HealthTech	Deep Learning AI Systems	Internet of Things
Pharma and BioTech	Advanced 3D Printing	Robotics
Smart Cities	SpaceTech	Advanced Renewable Energy Systems

DeepTech Industry Analytical Framework: Advanced DeepTech

Advanced Artificial Intelligence Systems	Deep Diagnostics Technologies	MetaVerse	Atomically Precision Manufacturing
Advanced Longevity HealthTech	Advanced Smart Cities	PharmTech and Advanced BioTech	Energy 2.0
Advanced SpaceTech		NanoTech	

DeepTech Industry in Miami: Key Types of Hub

The dynamism and growth of the DeepTech sector in Miami are largely attributable to a collaborative framework among diverse institutional hubs, each playing a pivotal role in nurturing the ecosystem. Academic institutions, with Florida International University at the forefront, are significantly expanding their tech-focused educational programs. This expansion is not only about increasing enrollment numbers but also involves enhancing the depth and breadth of tech-related curricula to produce a workforce adept in the latest technological advancements. Government support, especially highlighted by Mayor Francis Suarez's active engagement with the tech community and policy initiatives, has created an inviting atmosphere for tech startups and investors. Miami's local government has been instrumental in streamlining processes, offering tax incentives, and providing resources aimed at fostering an innovation-friendly environment. This approach has positioned Miami as a welcoming and supportive home for tech enterprises. Non-profit organizations, spearheaded by the Knight Foundation, have committed substantial resources to the tech ecosystem. Through strategic funding, they support not only the infrastructural development of the tech sector but also initiatives that promote inclusivity, diversity, and access to technology for all segments of Miami's population.

Furthermore, the legal framework in Miami has evolved to support the burgeoning tech sector, with specialized legal services and intellectual property protections that cater to the unique needs of startups and established tech firms alike. This legal infrastructure ensures that companies can innovate with confidence, knowing their intellectual capital is safeguarded. Additionally, research and development centers, including those affiliated with universities and private corporations, are crucial in pushing the boundaries of technology and innovation. These centers are hotbeds of experimentation and invention, where theoretical knowledge meets practical application, leading to breakthroughs that fuel further industry growth.

Together, these institutional hubs—academic, government, non-profit, and legal—along with cutting-edge research and development centers, create a robust foundation that supports and accelerates the growth of Miami's DeepTech industry. Their synergistic efforts have transformed Miami into a vibrant ecosystem where technology and innovation flourish, attracting talent, investment, and global attention to the city.

Longevity Industry in Miami: Key Hubs

Florida International University (FIU)
FIU spearheads the academic charge in Miami's DeepTech scene, offering cutting-edge tech education and research opportunities. Its emphasis on AI, blockchain, and cybersecurity equips students with essential skills, contributing skilled professionals to the industry.

The Knight Foundation
This non-profit plays a crucial role in Miami's tech growth by funding innovative projects and startups. It focuses on building the tech community and supporting digital literacy, ensuring a robust ecosystem for technological advancements.

Miami-Dade County Government
With initiatives aimed at attracting tech talent and businesses, the local government offers incentives and support for startups, making Miami a desirable destination for innovation.

eMerge Americas
As a premier tech event organizer, eMerge Americas connects startups, investors, and innovators, facilitating collaborations and showcasing Miami's potential as a tech hub on a global stage.

Longevity Industry in Miami: Key Hubs

Endeavor Miami
Endeavor Miami empowers entrepreneurs through mentorship, access to capital, and a global network, fostering high-impact startups that drive the local DeepTech ecosystem.
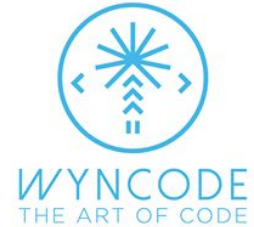
Cambridge Innovation Center (CIC) Miami
CIC provides co-working space and resources for tech startups, creating a collaborative environment that nurtures innovation and accelerates growth.

The LAB Miami
Acting as a creative campus for entrepreneurs and innovators, The LAB Miami offers workshops, events, and space to work, fostering a community of forward-thinkers in the tech sector.

Wyncode Academy
Wyncode offers coding bootcamps that bridge the talent gap in Miami's tech scene, preparing individuals for careers in web development, UX/UI design, and digital marketing, contributing skilled professionals to the DeepTech industry.

DeepTech Industry in Miami: Recent Developments

Mayor Francis Suarez ✔
@FrancisSuarez

How can I help?

delian 🇺🇸🇺🇸🇺🇸 @zebulgar
ok guys hear me out, what if we move silicon valley to miami

8:43 PM · Dec 4, 2020   ⓘ

♡ 5.8K   💬 226   🔗 Copy link to Tweet

Starting in 2020, Miami's transformation into a DeepTech hub has been significant, catalyzed by the global pandemic and enhanced by the city's welcoming policies for tech innovation.

Mayor Francis Suarez's proactive engagement with the tech community, exemplified by his December 2020 tweet to a venture capitalist, positioned Miami as an attractive destination for Silicon Valley companies and talent seeking more favorable business climates. This single tweet, asking "How can I help?", became a rallying cry, drawing attention to Miami's potential as a new tech epicenter.

Investments have been key to accelerating Miami's tech boom. The Knight Foundation's commitment of $40 million towards tech ecosystem development laid foundational support, while SoftBank's announcement of a $100 million investment earmarked for Miami-based startups in 2021 underscored the city's growing significance in the tech industry. These financial injections have stimulated growth, attracting tech giants such as Microsoft and Spotify to open local offices, further validating Miami's status as a burgeoning tech hub. The educational sector has responded to this tech influx, with Florida International University's computing and information sciences school planning to double its enrollment, acknowledging the increasing demand for tech education driven by the sector's expansion. This educational growth mirrors the broader trend of Miami's evolution from a sun-and-surf tourist destination to a critical node in the global tech network. These developments, supported by strategic investments and policy facilitation, underscore Miami's emergence as a vibrant and viable tech hub. This aligns with the Deep Knowledge Group's interests in fostering technological innovation and advancement, demonstrating Miami's potential to be at the forefront of the DeepTech revolution.

DeepTech Ecosystem in Miami: Recent Developments

2020	2021	2021	2021	2021	2022
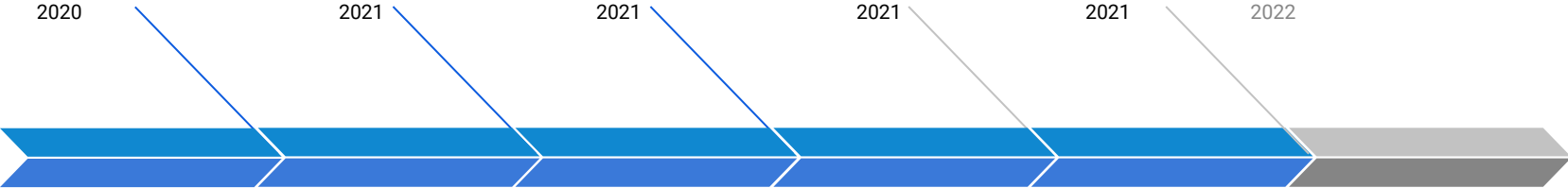
Tech Migration Begins

Miami observes a significant tech industry migration, influenced by pandemic dynamics and attractive regional policies.

Mayor's Tweet Catalyzes

Mayor Francis Suarez's tweet to a venture capitalist sparks widespread attention to Miami as a tech hub.

Knight Foundation's Investment

The Knight Foundation invests $40M over a decade, bolstering Miami's tech ecosystem development efforts.

SoftBank's $100M Pledge

SoftBank announces a substantial $100 million investment into Miami's startups, affirming the city's tech boom.

Tech Giants Open Offices

Microsoft and Spotify are among the tech giants establishing local offices, signaling Miami's growing tech prominence.

Academic Enrollment Doubles

Florida International University's Knight Foundation School expects to double its computing and information sciences enrollment.
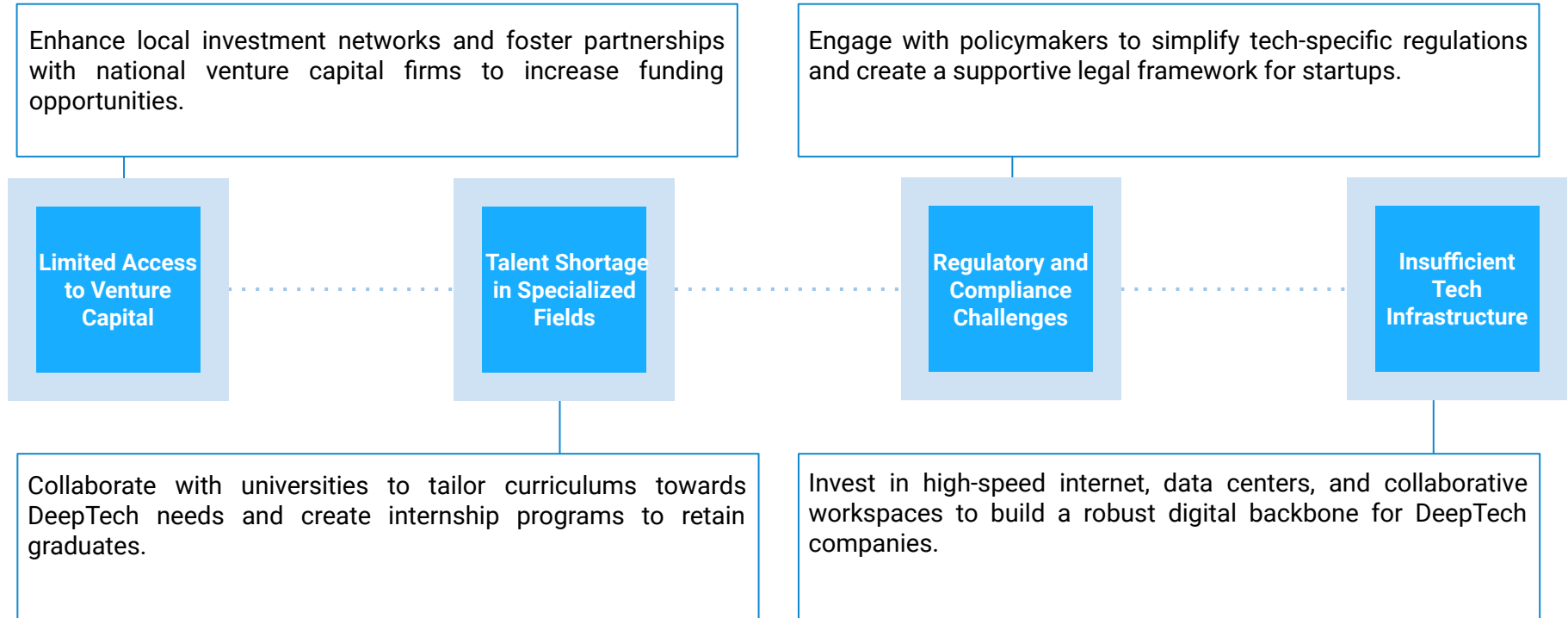
DeepTech Industry in Miami

Key Conclusions and Road Ahead

Obstacles and Solutions to DeepTech Industry Development in Miami

Enhance local investment networks and foster partnerships with national venture capital firms to increase funding opportunities.

Engage with policymakers to simplify tech-specific regulations and create a supportive legal framework for startups.

Limited Access to Venture Capital

Talent Shortage in Specialized Fields

Regulatory and Compliance Challenges

Insufficient Tech Infrastructure

Collaborate with universities to tailor curriculums towards DeepTech needs and create internship programs to retain graduates.

Invest in high-speed internet, data centers, and collaborative workspaces to build a robust digital backbone for DeepTech companies.

History, Current State and The Road Ahead

Where is DeepTech in Miami Headed?

History

Miami's DeepTech history is a story of strategic evolution, beginning with foundational efforts to cultivate a tech-friendly environment. Initial steps included establishing technology parks, attracting early-stage investors, and leveraging Miami's unique position as a gateway between the U.S., Latin America, and Europe. These early efforts laid the groundwork for what would become a vibrant ecosystem, with educational institutions, government, and local entrepreneurs playing pivotal roles. Miami's cultural diversity and entrepreneurial spirit were crucial, setting the stage for a city that could blend innovation with global business acumen.

Current State

Miami's DeepTech scene today is characterized by dynamic growth and diversification. With significant increases in venture capital investment, the city has seen a proliferation of startups, incubators, and accelerators specializing in AI, biotech, and blockchain technologies. Government initiatives have provided additional momentum, making Miami an attractive destination for international tech talent and innovation-driven companies. The local tech community is bolstered by a strong collaborative ethos, with numerous networking events, workshops, and forums facilitating knowledge exchange and partnership opportunities. Miami's strategic location continues to serve as a critical asset, enhancing its role as a tech bridge to Latin America.

The Road Ahead

The future trajectory of DeepTech in Miami is poised for unparalleled growth, with the potential to position the city as a global innovation hub. Continued investment in tech infrastructure, alongside supportive policies for startups and entrepreneurs, will likely attract even more international talent and capital. Miami's educational institutions are set to play a crucial role by expanding tech-focused programs and partnerships with industry, ensuring a steady pipeline of skilled professionals. Moreover, Miami's commitment to fostering a diverse and inclusive tech community could serve as a model for innovation ecosystems worldwide, driving breakthroughs that address global challenges through technology.

Key Takeaways

» **Miami's DeepTech sector has transformed** from a burgeoning startup scene into a dynamic hub, driven by strategic investments, a supportive government, and a rich multicultural workforce, signaling its readiness for global tech leadership.

» **The city's tech growth is underpinned by collaboration** across academia, government, and private sectors, fostering an ecosystem where innovation thrives, attracting talent and capital from around the world.

» **Looking ahead, Miami's commitment to education, diversity, and infrastructure development** positions it for exponential growth in DeepTech, potentially setting a global benchmark for innovation ecosystems.