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GROUP

# Deep Knowledge Group Activities in the Gulf Region



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# Introduction

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## Introduction

**Deep Knowledge Group** is a consortium of commercial and non-profit organizations active on many fronts in the realm of DeepTech and Frontier Technologies (AI, Longevity, FinTech, GovTech, InvestTech), ranging from scientific research to investment, entrepreneurship, analytics, media, philanthropy and more.

**Deep Knowledge Analytics** being a subsidiary of Deep Knowledge Group is a leading provider of advanced analytics on DeepTech and frontier-technology industries. The company utilises sophisticated multidimensional frameworks and algorithmic methods that combine hundreds of specially designed and specifically weighted metrics and parameters to deliver insightful market intelligence, pragmatic forecasting, and tangible industry benchmarking.

Deep Knowledge Group, along with Deep Knowledge Analytics and other subsidiaries, pays significant attention to the Gulf Region and is involved in a range of active projects in the GCC.

The current presentation outlines a wide range of completed, ongoing and planned projects closely related to the countries of Gulf Region, and describes key focus areas for cooperation with partners.

# About Deep Knowledge Group

Deep Knowledge Group runs several data-driven **investments and financial vehicles**



Deep Knowledge Group's **analytical subsidiaries** are world leaders in analytics for DeepTech and Longevity industries



Deep Knowledge Philanthropy pioneers several infrastructural **social impact projects**

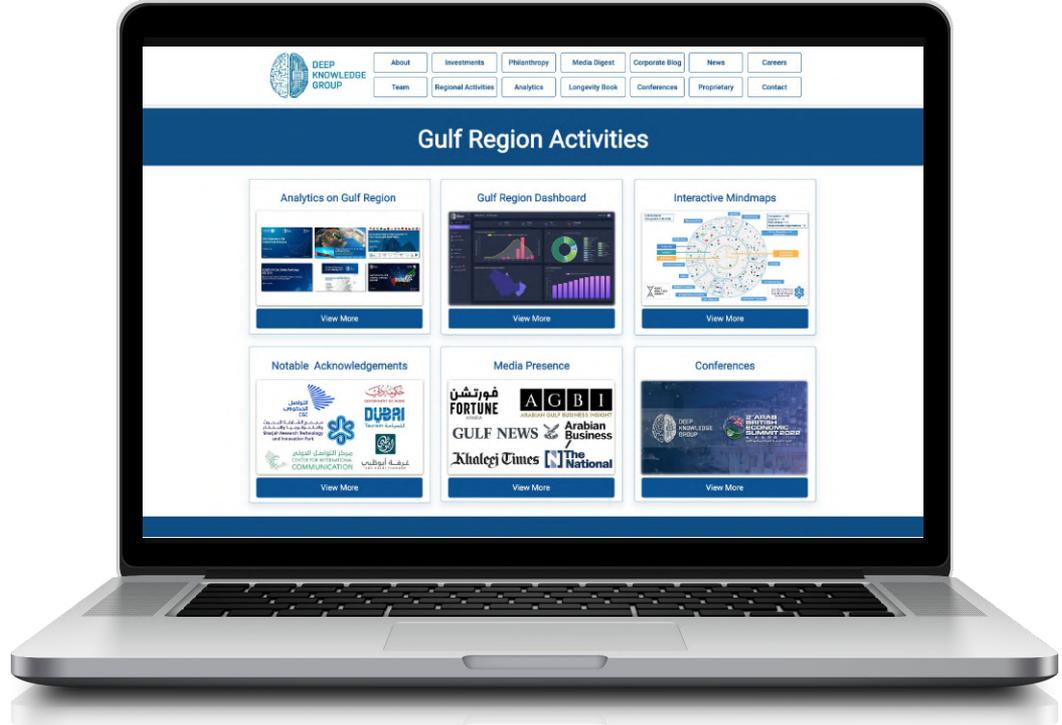


# Executive Summary

Over the years, Deep Knowledge Group has been active in the Gulf Region, acting as a catalyst for the efforts in identifying practical initiatives in the realm of Longevity Industry and various DeepTech domains led by partners from GCC countries.

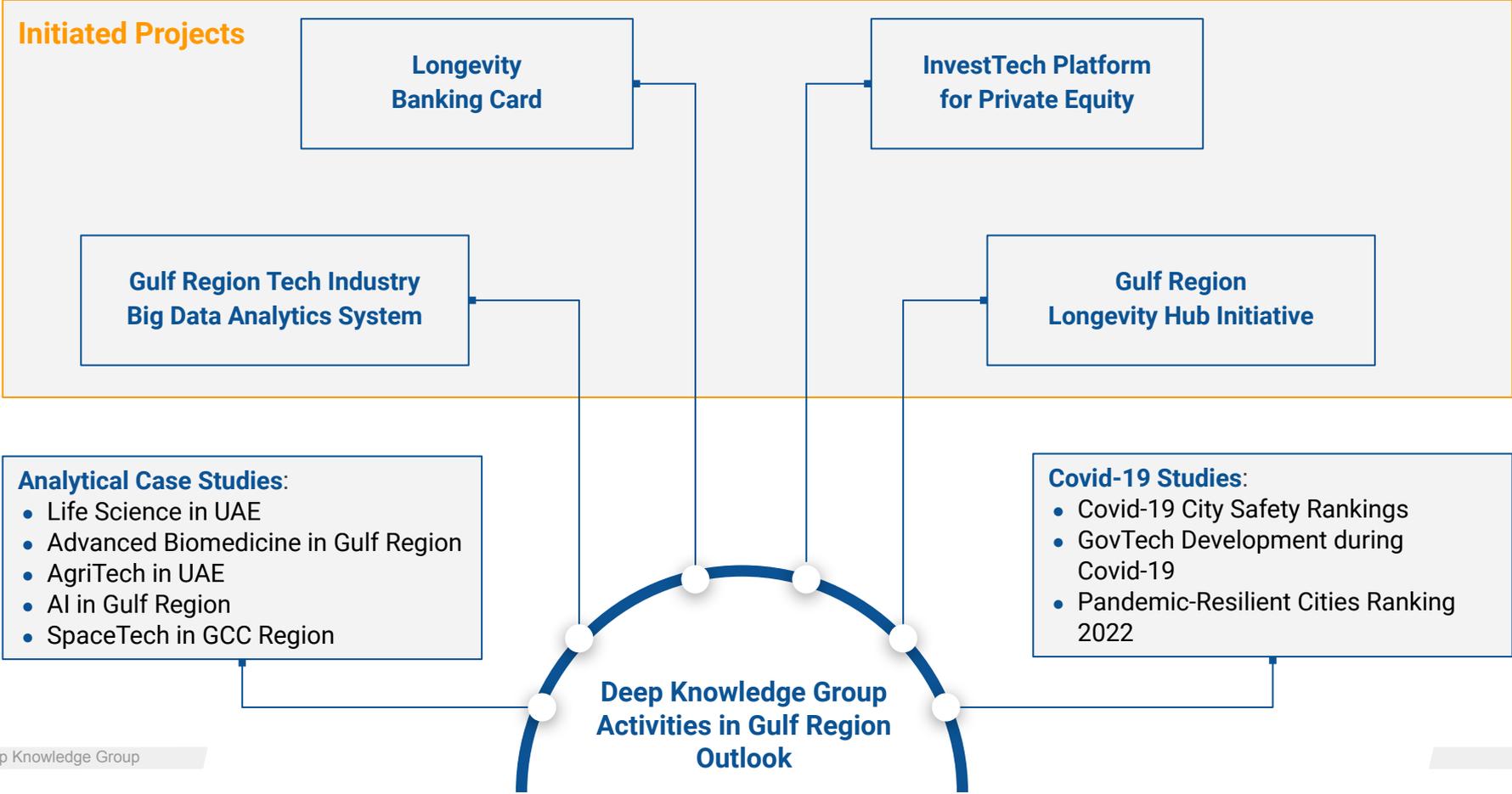
Deep Knowledge Group has been leading multi-vectoral activities focused on the Gulf Region, which involve but are not limited to:

- producing periodic analytics on trending topics of strategic importance to the Gulf countries;
- building the advanced Big Data Analytical Systems and Dashboard;
- close cooperation with governmental authorities;
- participation and organisation of thematic events and conferences;
- representation of own projects and trends coverage in local media.



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# Deep Knowledge Group Activities in Gulf Region



# Deep Knowledge Group's Analytics on GCC Region

Life Sciences in the United Arab Emirates

February 2022

www.srtip.ae www.dka.global www.aginganalytics.ae

Advanced Biomedicine in the Gulf Region Landscape Overview

Prospects for the Development of A Full-Scope Gulf Longevity Hub

August 2021

Longevity Precision Health Finance Policy

www.aginganalytics.ae

GovTech Development During COVID-19: How Technologies Have Helped

Special Edition

August 2021

Contributors

www.dka.global

SpaceTech in the GCC Region

Q3 2022

September 2022

www.spacetech.global

Pandemic-Resilient Cities Ranking 2022

Benchmarking of Municipal Pandemic Response

- Vaccines
- Economy
- Prevention
- Governance
- Safety
- Compliance

www.dka.global

AgriTech in the UAE Industry Landscape Q3 2022

www.dka.global

[www.dkv.global/gcc](http://www.dkv.global/gcc)

# Partnership with Sharjah Research Technology & Innovation Park

In 2021, **Sharjah Research Technology & Innovation Park** and **Deep Knowledge Group** have announced a strategic partnership aimed at development of the Longevity Industry in Sharjah.

The joint effort aims to identify the driving forces behind the Longevity Industry and healthy ageing, and ultimately devise an action plan for governmental entities. The partnership enables to establish and advance the Longevity development agenda across all relevant decision-makers and institutional stakeholders.

## Key Focus Areas of Partnership

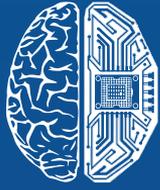
Mapping the Longevity Industry in the UAE

Fostering knowledge of relevant sectors locally and internationally

Developing comprehensive stakeholder engagement, identifying major drivers of the industry in the country

Developing robust national Longevity policies to maximize the health and wealth of the nation





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# Gulf Region Tech Industry Big Data Analytics System and Dashboard

# Gulf Region Big Data Analytics System and Dashboard

Deep Knowledge Group developed a specialised **Gulf Region Big Data Analytical System and Dashboard** that profiles the entire digital ecosystem across GCC countries and provides automated tools for intelligent data-driven decision-making for investors, corporations, and governments.

**Gulf Region Big Data Analytical System and Dashboard** is a first-of-its-kind solution that maps the overall Digital and Tech Ecosystem in GCC Countries, and provides actionable insights on current and future trends.

The primary goal of the creation of Gulf Region Big Data Analytical System and Dashboard lies in the comprehensive mapping of the entire tech landscape in the GCC countries accompanied by advanced analytical tools.

The Dashboard may serve as the source of valuable insights relying on deep analytics and can be the handfultool for innovative companies, investors, governmental authorities, or any interested parties.



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# Digital and Tech Ecosystem in GCC Countries

## Dashboard Features

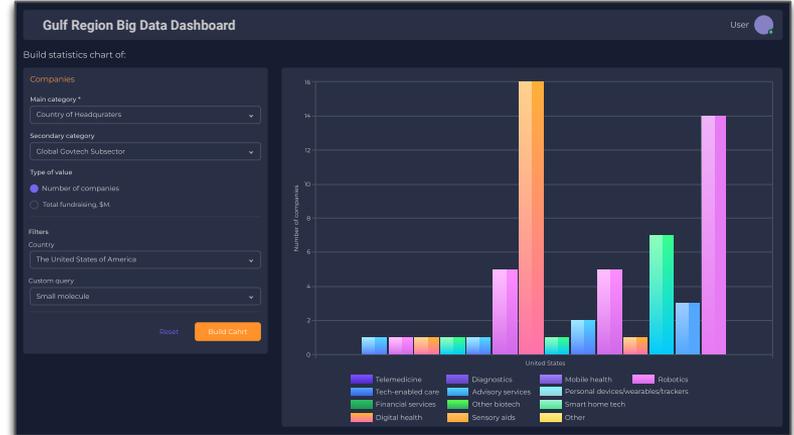
Extensive Database

Advanced Market Monitoring Tools

AI-Powered Analytics

User-friendly Interface

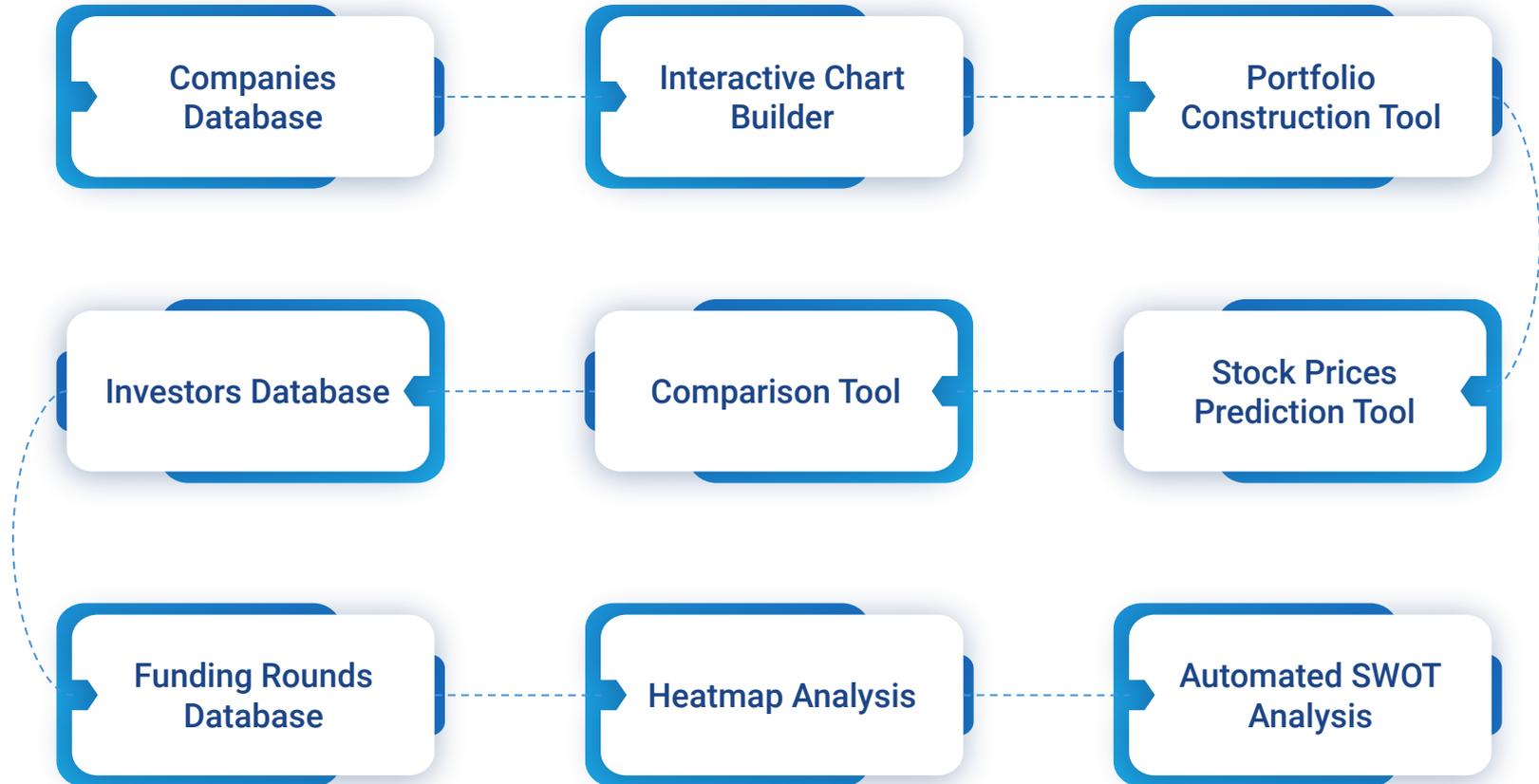
Real-time Analytics



# Parameters of Gulf Region Tech Industry Big Data Analytics System and Dashboard



# Tools of Gulf Region Tech Industry Big Data Analytics System and Dashboard



# Dashboard Tools: Companies Database

Information on 10,000 tech companies operating in the Gulf Region industry is just a few clicks away. Profile of every company collects the full scope of data, including corporate data, fundraising dynamics, relevant links, etc.

Aggregated database of companies operating in the region

Real-time data updating

Comprehensive market intelligence tool

The screenshot shows the 'DeepTech in Gulf Region' dashboard. It features a search bar with '10000 organizations found' and a 'Clear Filters' button. The main content area is a grid of company cards, each with a logo, name, and a brief description. The cards include:

- Abu Dhabi Media Company: Abu Dhabi Media is a media company operating across the broadcast, publishing, and digital media sectors.
- Abu Dhabi National Exhibitions Company: Abu Dhabi National Exhibitions Company is a strategic international venue development and management company.
- Abu Dhabi National Oil Company: Abu Dhabi National Oil Company (ADNOC) was established in 1971 to operate in all areas of the oil and gas industry and so.
- Abwab: Abwab is a platform for real estate professionals and property owners to exchange information and promote their business.
- Acadox: Acadox provides modern and easy-to-use technologies to manage the learning and training process.
- Accel Human Resource Consultants: Accel Human Resource Consultants offers HR consulting and recruitment solutions in UAE.
- Accel Knowledge: Accel Knowledge is a technology-driven market research agency.
- Accend Digital Solutions: Web Development with Digital Marketing Company in Dubai.
- ACCUMED Practice Management: ACCUMED Practice Management provides comprehensive end-to-end revenue cycle management solutions to the healthcare sector.

The dashboard also includes a sidebar with navigation options like 'Dashboards', 'Reports', 'Data', and 'Tools', and a pagination bar at the bottom.

The screenshot shows the profile page for 'Abu Dhabi National Exhibitions Company'. It includes a 'Shortlist' button and the ADNEC logo. The profile details are as follows:

- WEBSITE: <http://adnec.ae/>
- COUNTRY: United Arab Emirates
- CITY / STATE: Abu Dhabi
- YEAR FOUNDED: 2005
- IPO STATUS: Private
- ESTIMATED NUMBER OF EMPLOYEES: 251-500
- LINKEDIN PAGE: <https://www.linkedin.com/company/abu-dhabi-national-exhibitions-company>
- TWITTER PAGE: <https://twitter.com/ADNECGroup>

A descriptive paragraph at the bottom states: 'Abu Dhabi National Exhibitions Company is a strategic international venue development and management company.'

# Dashboard Tools: Investors Database

**Filters**  
Use filters to find needed company quick

Year Founded

1834 2022

0 87

Revenue

from Less than \$1M

to \$10B+

Less than \$1M \$10B+

0 7

Company Staff

from 1

to more than 10000

1 more than 10000

0 9

Adjust filtering parameters to get the investors you need out of general database

Get the comprehensive set of data about selected investor aggregated from numerous data sources

View the portfolio companies of every investor in the database, navigate to companies' profiles

**1818 Venture Capital** Shortlist

**WEBSITE** <https://1818venturecapital.com/>

**COUNTRY** Guernsey

**CITY / STATE** St. Peter Port, NA - Guernsey, Guernsey

**YEAR FOUNDED** 2012

**IPO STATUS** Private

**ESTIMATED NUMBER OF EMPLOYEES** 1-10

**LINKEDIN PAGE** <https://www.linkedin.com/company/1818venturecapital>

**CONTACT EMAIL** [hello@1818venturecapital.com](mailto:hello@1818venturecapital.com)

1818 Venture Capital is an investor in early-stage companies in the UK.

**Portfolio**

ActiveQuote Airfi Networks AssetVault Bink Flubit.com LAKA

# Dashboard Tools: Funding Rounds Database

Access the database of 2,000 investment deals across the tech industries in Gulf Region. Navigate to the “Funding Rounds” tab which provides the extensive list of investment deals. Every investment deal involves the investors and companies from Dashboard’s database.

Search for specific company you need to get the list of funding rounds over time of company’s activities.

COMPANY	ROUND TYPE	DATE	RAISED MONEY (USD)
AHOY Holding	Convertible Note	2020-11-02	0.71 MM.
ArtSmiley	Non-equity Assistance	2020-11-02	
Quantum Platform	Seed	2020-11-02	0.60 MM.
ArtSmiley	Non-equity Assistance	2020-11-02	
Emerging Markets Property Group (EMPG)	Corporate Round	2020-11-02	150.00 MM.
Symphony	Non Equity Assistance	2020-08-07	0.00 MM.
Fero.AI	Seed	2020-11-02	0.40 MM.
Symphony	Pre Seed Round	2020-03-23	0.00 MM.
Penny Software	Seed	2020-11-02	1.35 MM.
AHOY Holding	Convertible Note	2020-11-02	0.28 MM.



Browse and sort the general database of investment deals and get the search results you need. View the details of every funding deal including investors, round time, date, raised amount, etc.

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# Dashboard Tools: Interactive Chart Builder

Deep Knowledge Group understands the need for proper representation of the vast volume of data in order to help Dashboard's users to derive the insights from analytics. To this end, Gulf Region Tech Industry Big Data Analytics Dashboard provides the Interactive Chart Builder.

## Parameters for Interactive Chart Building

Foundation Year

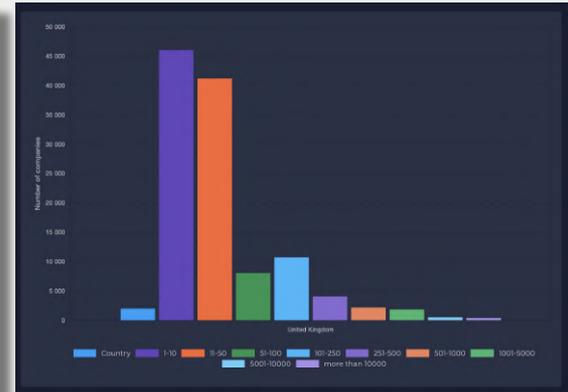
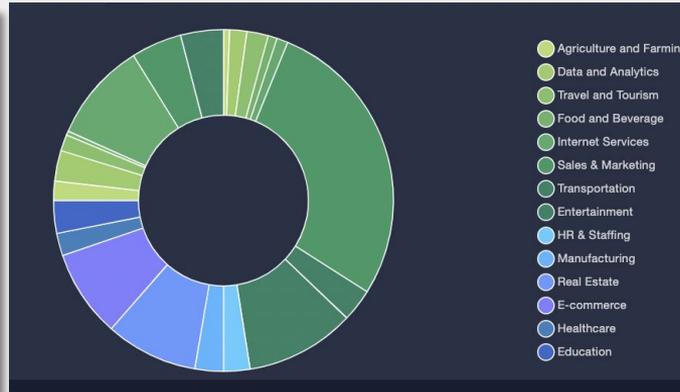
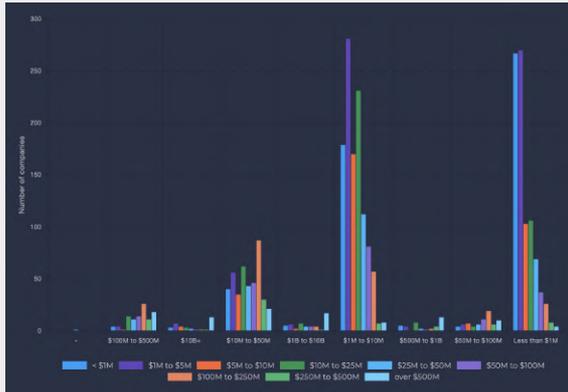
Funding Status

Estimated Revenue

Country of Headquarters

Number of Employees

Total Funding Amount



# Dashboard Tools: Comparison Tool

Gulf Region Tech Industry Big Data Analytics System and Dashboard provides users with a comparison tool that allows to select a few entities of Dashbord's database and compare them based on the set of parameters. This is a handful tool while conducting the market intelligence across the tech industries in GCC countries.

**Search for companies and investors you need**

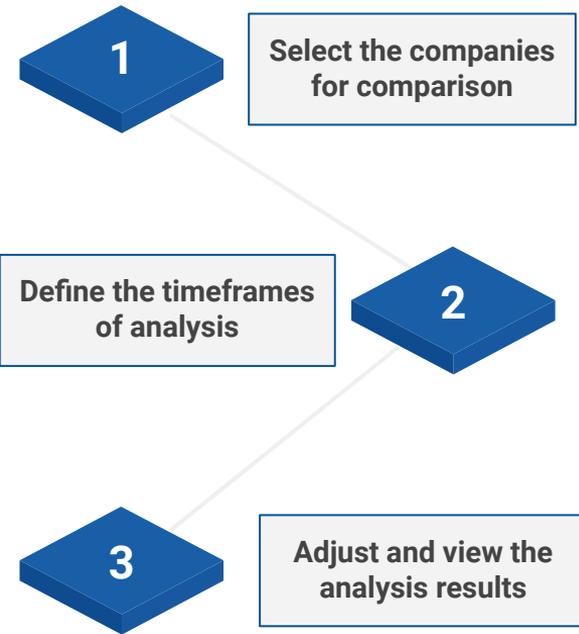
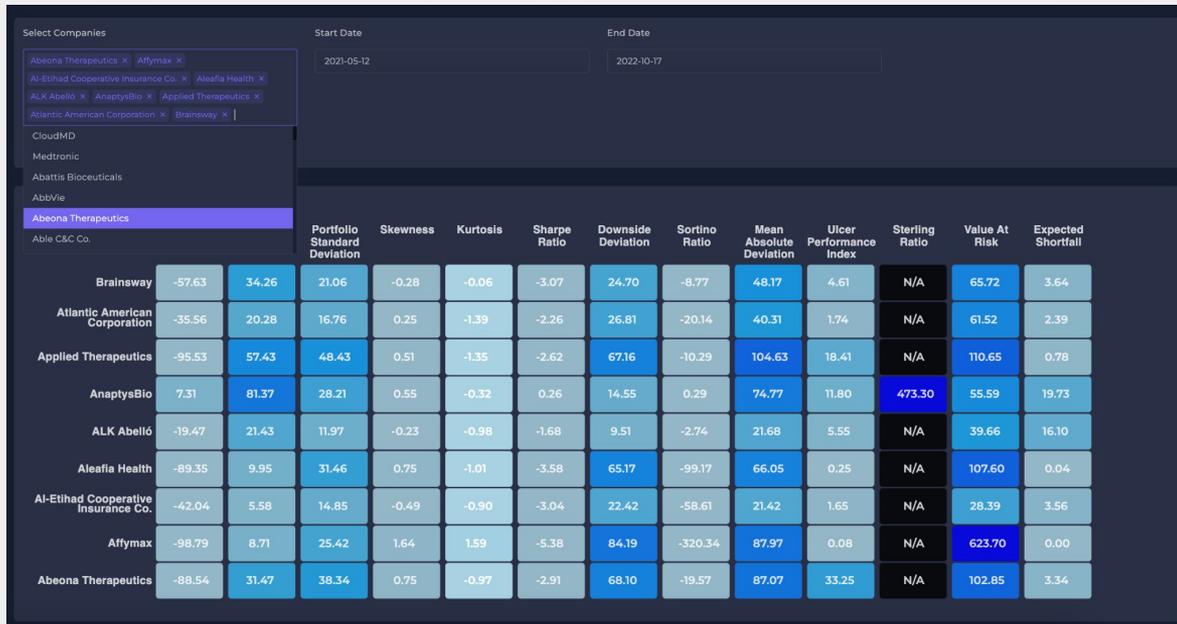
**Adjust the parameters for comparison according to your needs**

**View the results of comparative analysis, add or remove the displayed entities and make the proper decisions**

Company Comparison Table	 Activeig	 AddVenture	 Aanaab	 AeroMap	 AppHarvest
Country	United Arab Emirates	-	Saudi Arabia	Bahrain	United States
Year Founded	2015	2008	2016	2004	2017
Estimated number of employees	1-10	11-50	11-50	1-10	51-100
Region	Middle East and Africa	-	Middle East and Africa	Middle East and Africa	North America
City/State	Dubai	-	Jeddah	Manama	Morehead, Kentucky, United States
IPO Status	Private	Private	Private	Private	Public
Business State	-	-	-	-	-
Founding Status	-	-	Seed	-	IPO
Total Funding	-	-	1.5	-	646.3

# Dashboard Tools: Heatmap Analysis

Heatmap Analysis is a Dashboard's tool aimed to deliver the visual representation of public companies analysis. Dashboard's users can select the companies they are interested in, set up the specific time range for which analysis will be done. The obtained heatmap will outline the extreme data points which can be crucial for decision-making.



# Dashboard Tools: Portfolio Construction Tool

The built-in portfolio constructor lets dashboard's users to check out how selected public companies would perform under various investment strategies if a person had invested in them before. Users may choose among different strategies or adjust weights to find the best outcomes. Backtesting of the portfolio might shed light on how equity basket would behave in the future.

## Select stocks and define weights

The interface shows a 'Select Companies' section with a list of selected companies: Abattis Biocellicals, Agilent, Amazon, AnGes Inc., and Appili Therapeutics. A 'Reset' button is present. Below, the 'Add Hedge' section is checked. The 'Portfolio Weights' section displays sliders for each company with their respective percentages: ATTBF:Abattis Biocellicals (19.11%), A:Agilent (30.05%), 4563.T:AnGes Inc (9.97%), APLI.TO:Appili Therapeutics (19.87%), and AMZN:Amazon (21.00%).

## Set up portfolio parameters

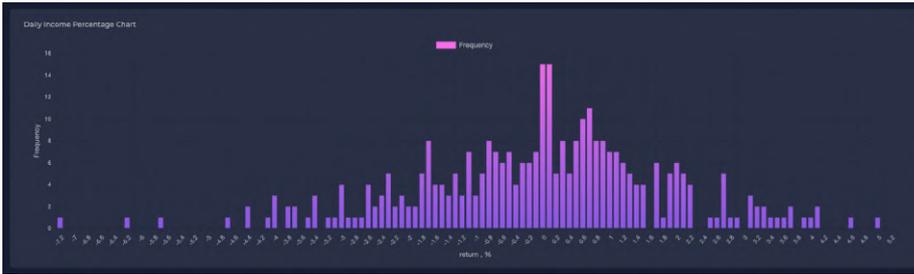
The interface shows parameters for the portfolio: 'Purchase Date' (2021-05-12), 'Sell Date' (2022-10-17), and 'Amount' (10000). The 'R-Value' section includes 'Risk %' and 'Profit %' input fields. The 'Portfolio Type' section has radio buttons for 'Equally weighted', 'Growth optimal portfolio(EF)', 'Minimum variance', 'Sharpe ratio-based', 'Market capitalization-weighted', and 'Custom' (which is selected).

## Visualise stocks weights



# Dashboard Tools: Portfolio Construction Tool

Building the portfolio performance chart based on the parameters and strategy defined by user



Visualisation of portfolio daily returns distribution for selected basket of stocks

Real-time representation of portfolio key indicators of performance



# Dashboard Tools: Stock Prices Prediction Tool

Predictions tool allows to access stock prices forecasting. It allows users to build forecasts on equities prices based on different approaches and compare them in real-time. Advanced AI algorithms behind the tool relying on real-time market data allow to achieve the additional precision of prediction results.

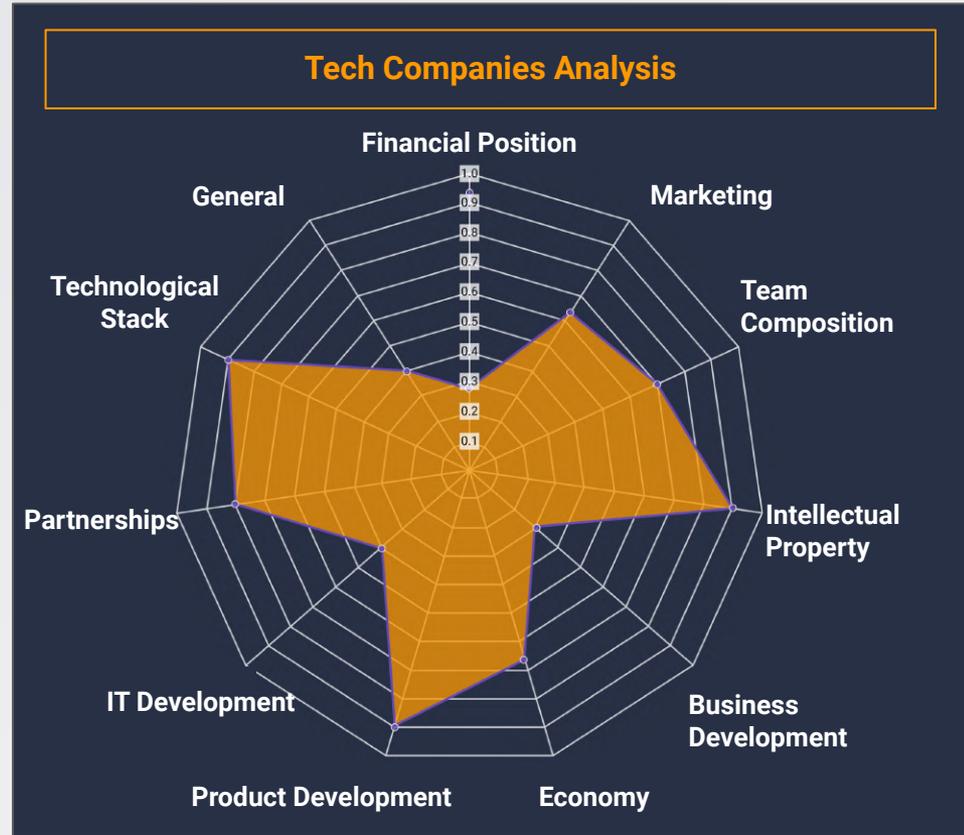


# Dashboard Tools: Automated SWOT Analysis

Automated SWOT Analysis plays a pivotal role in analyzing the business activities of companies in the Gulf Region and making the aggregated conclusion on the overall performance of the given company.

The tool is designed to assist in conducting the market intelligence and comparison the large amount of entities (for example, tech startups). The tool allows to make the shortlist of entities that fit the specific request of analytics.

- The parameters of automated SWOT analysis can be customized in order to better reflect the specific features of the given tech industry;
- For each of the parameter groups the assessment score is assigned ranging from 0 to 1;
- The tool takes into account the various types of data: financial information about the company, technological stack, team composition, collaborations, publications, and much more.



# Dashboard Tools: Automated SWOT Analysis

Automated quantifiable AI-driven SWOT Analysis is an analytical tool available **for each company in the database of Gulf Region Tech Industry Big Data Analytics System and Dashboard.**

This tool provides the aggregated scoring of companies based on the primary and alternative data and validated with AI engine. Automated SWOT Analysis plays a pivotal role for analysing the maturity of companies and making the aggregated conclusion on the readiness for the public listing of a given company.

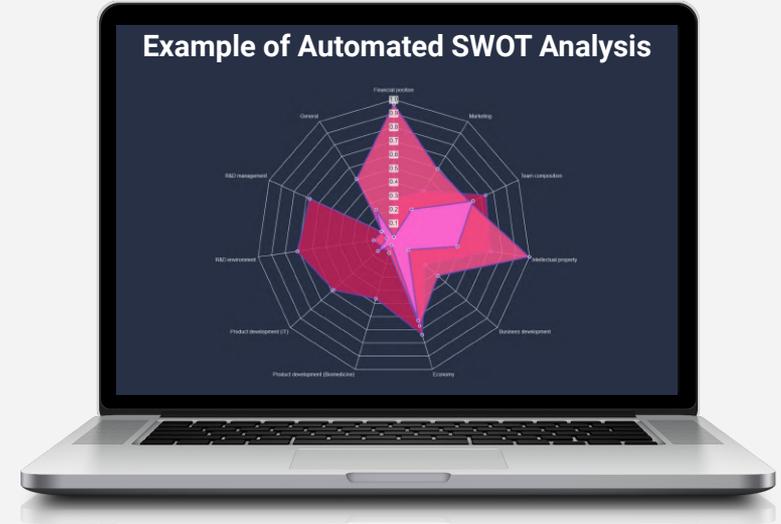
## SWOT Assessment Approach

Reliance on alternative data for making company's overall assessment

Application of AI algorithms for data parsing and analysis

Assessment based on 170+ unique parameters clustered into 10 groups

SWOTs comparison among public and private companies



## Parameter Groups

Financial  
Position

Team  
Composition

Business  
Development

Product  
Development

Partnerships

Marketing

Intellectual  
Property

Economy

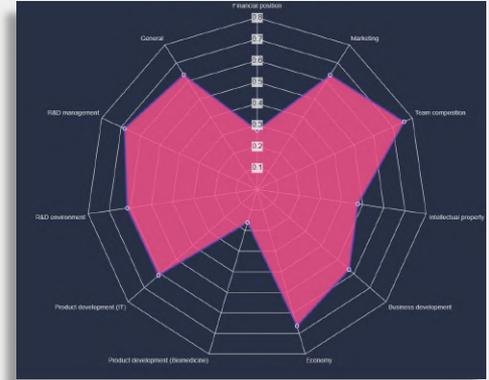
IT  
Development

Technological  
Stack

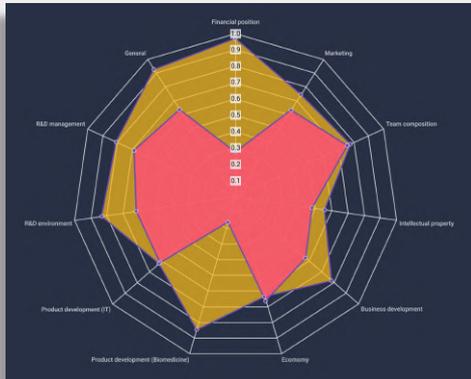
# Dashboard Tools: Automated SWOT Analysis

- Automated SWOT Analysis provides the performance scoring, which allows making decisions on the maturity of the given technological company.
- The comparison of company's scores is made based on the benchmark values for every parameters group. Such comparison allows to make a conclusion on the maturity stage of the company.
- Ultimately, automated SWOT analysis allows identifying vetted mature companies able to demonstrate a successful track record in future.

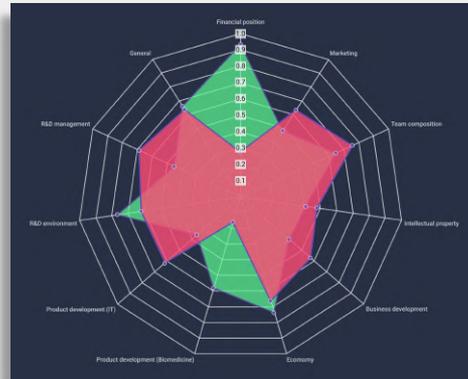
## Benchmark



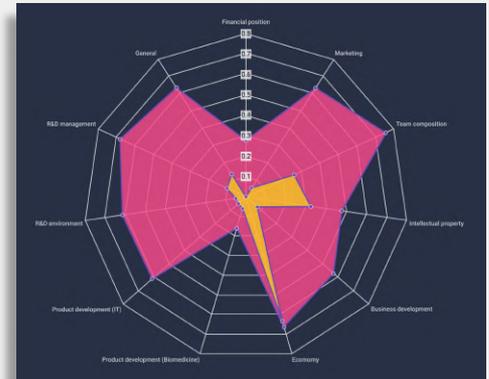
## Matured Company



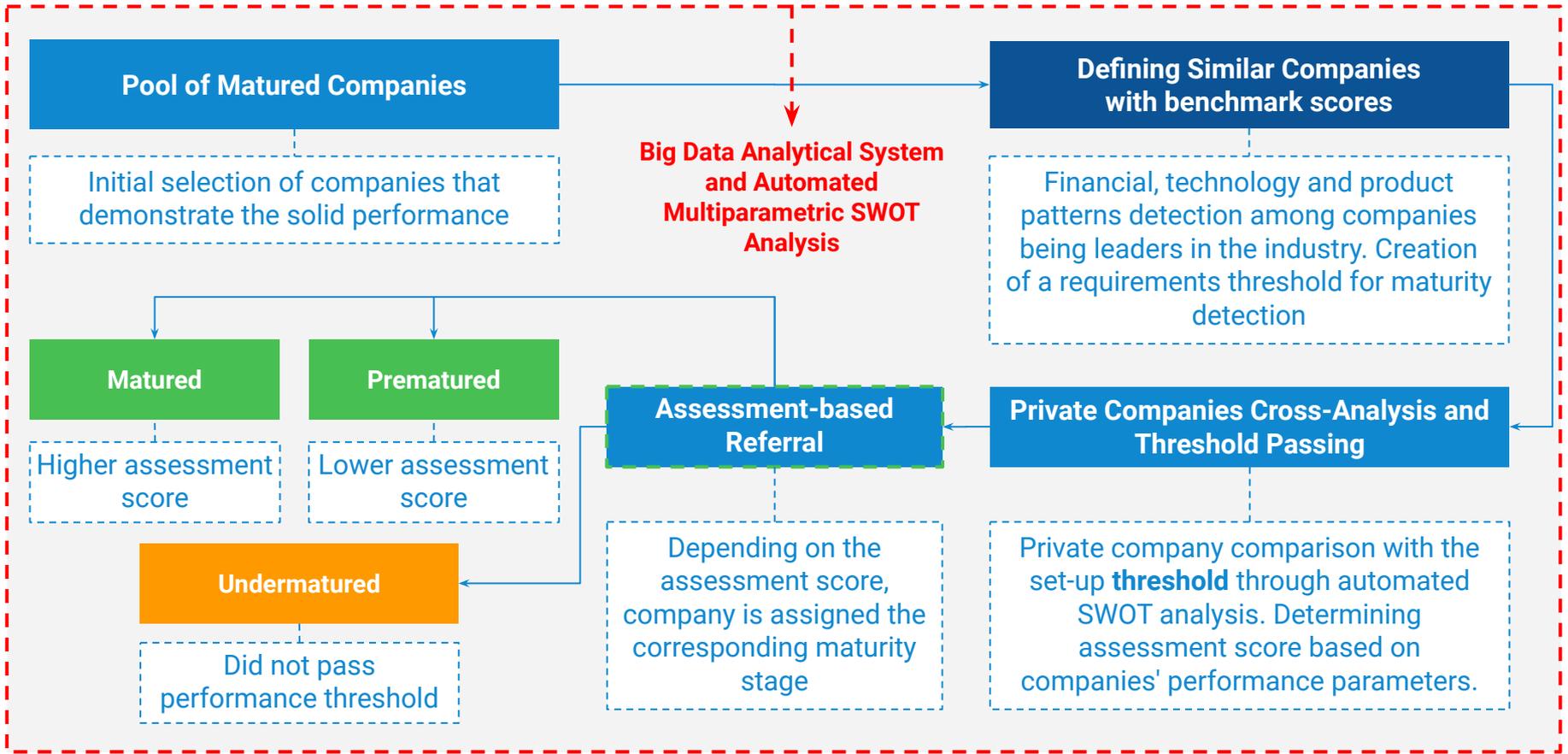
## Pre-mature Company



## Unmatured Company



# Sophisticated Multiparametric Algorithm for Evaluating Listing Candidates



# Examples of UK-Focused Big Data Analytical Systems and Dashboards

## GovTech in UK Big Data Analytical System and Dashboard



One-of-its-kind SaaS offering a wealth of valuable information on the GovTech Industry in the United Kingdom. It provides the variety of customers with precious insights on the industry. The dashboard is designed for investors, startups and governmental organizations.

## Digital UK Ecosystem Big Data Analytical Dashboard

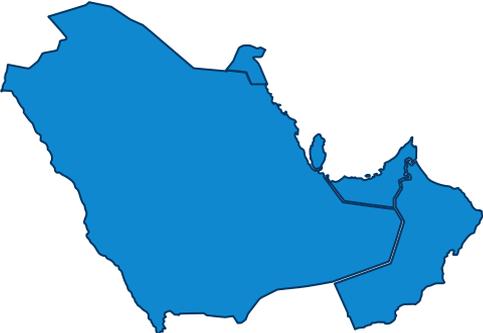


Dashboard provides the most relevant information about the state of different industries in the UK by regions and the general overview of the economy. The dashboard profiles all companies, investors and R&D hubs shaping the technological landscape in the United Kingdom

# Establishing Technological Bridge between the UK and Gulf Region

The United Kingdom

Gulf Region



Tech Expertise

AI-driven Approach

Big Data Analytics

Automized Matching

Investment Optimisation



[www.deep-innovation.tech/gcc](http://www.deep-innovation.tech/gcc)

# Future Milestones of the Dashboard and Tools Development

**AI-driven  
Matching Tool**

Matching Tools is set to become the core solution embedded into the Dashboard. With strong reliance on the AI, it will be able to generate matching between entities in the database: companies, investors, tech hubs, etc

**AI Engine  
Enhancement**

It's planned to constantly improve the capabilities of AI models to ensure the precise results of generated analytics

**Market Indices**

Generating the analytics which would assist in creation of market indices aiming to track the overall development of tech industries in the Gulf Region

**Constant  
Enlargement  
of Database**

The number of entities inside the database will be constantly increasing due to automated parsing mechanism

# Summary to Gulf Region Tech Industry Big Data Analytics Dashboard

White-label solution for market intelligence for tech industries in the Gulf Region embodying the best practices and most sophisticated approaches pre-validated and developed for other Deep Knowledge Group Big Data Analytical Systems

Gulf Region Tech Industry Big Data Analytics Dashboard will serve as the ideal source of data-driven on-demand analytics guaranteeing uniquely and decisively asymmetric advantages for those who have access to it

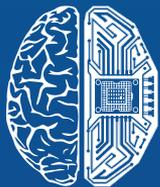
Monitoring of technological trend and best-practice analysis of companies in the Gulf Region, deriving actionable insights on the activities of major industry players

AI-driven Big Data analytical tools providing real-time analytics on startups, investors, corporations shaping the tech landscape in GCC countries

Comprehensive suite of AI tools for competitors landscape mapping and conducting tangible, practical and actionable data-drive and endpoint-focused market intelligence



**Gulf Region Tech  
Industry Big Data  
Analytics  
Dashboard**



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# Deep Knowledge Group Participation in Conferences

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# Deep Knowledge Group at 2nd Arab British Economic Summit 2022

Deep Knowledge Group Head of Investor Relations Talgat Takiyev presented key findings and new project announcements on November 2, 2022 at the landmark [2nd annual Arab British Economic Summit](#) (ABES 2022), a high-level conference hosted by the Arab-British Chamber of Commerce bringing together government officials, senior executives, thought leaders, and decision-makers from the UK and the Arab World to discuss trade and investment opportunities across healthcare, education, financial services, hospitality, real estate, transport, and other key sectors.



# Deep Knowledge Group at 2nd Arab British Economic Summit 2022

Attending the event, Dmitry Kaminskiy, General Partner of Deep Knowledge Group, commented: “We commend the various AI-related strategies of the UAE government and their ongoing efforts to embrace new technologies as a matter of national priority. In 2017, the UAE established a dedicated Ministry for Artificial Intelligence to oversee the strategy’s implementation. We are committed to contribute insights that underpin the prosperity of the UAE and its business ecosystem through providing high-quality data for investors, decision-makers, journalists, and experts.”

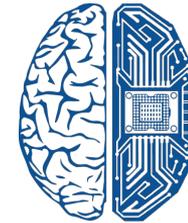


# Deep Knowledge Group TechTalk with Sharjah Research, Technology and Innovation Park

In June 2022, Deep Knowledge Group (DKG) and the Sharjah Research, Technology and Innovation Park (SRTIP) have co-hosted a TechTalk to reveal their jointly-produced Life Sciences in the UAE report.

The event saw Anastasia Lit, Director of Investor Relations, Europe & MENA, Deep Knowledge Group, discuss key developments in the Life Sciences industry, highlighting the emerging Longevity Industry and its focus on healthy ageing.

Commenting on the report, Hussain Al Mahmoudi, CEO of SRTIP, said: "I am very pleased to collaborate with Deep Knowledge Analytics to launch the UAE's first Life Sciences report, which covers the full Life Sciences and Longevity landscape across the country. The report highlights the opportunities associated with this growing industry, key stakeholders, high-level data of the UAE population and many other key insights."



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مجمع الشارقة للبحوث  
والتكنولوجيا والابتكار  
Sharjah Research Technology  
and Innovation Park



# Health is the New Wealth Tech Talk

Deep Knowledge Group and The Sharjah Research, Technology and Innovation Park hosted 'Health is the New Wealth' tech talk focusing on the longevity industry and the investment opportunities it presents. His Excellency Hussain Al Mahmoudi, Chief Executive Officer of SRTIP attended the event alongside a number of professionals, entrepreneurs, and investors from the longevity industry.

During the tech talk, Deep Knowledge Group revealed the world's largest 'healthy ageing' database, which encompasses over 50,000 companies, 10,000 investors, 1,000 R&D hubs across 20 sectors and 160 sub-sectors, containing over 9.5 million data points.

**Health is the new wealth**

مجمع الشارقة للبحوث والتكنولوجيا والابتكار  
Sharjah Research Technology and Innovation Park

**Anastasia Lit**  
Director of Investor Relations,  
Europe and MENA regions,  
Deep Knowledge Group

*"Investing in Longevity"*

**Baha Hamadi**  
Vice President Communications,  
Deep Knowledge Group

*"Longevity industry landscape  
and investment opportunities"*

April 20th, 2022

DEEP KNOWLEDGE GROUP

[www.dka.global](http://www.dka.global)

[www.dka.global/conferences](http://www.dka.global/conferences)

# The Emerging Longevity Industry – A UAE Perspective

To refine and elevate the discourse on Longevity (healthy ageing), DKG conducted an online event “The Emerging Longevity Industry – A UAE Perspective” in association with Sharjah Research Technology & Innovation Park (SRTIP) on February 14, 2022. In the UAE, the Longevity sector is expected to hit \$23 billion in 2026, growing at a CAGR of 3%.

This event was graced by some of the well-known personalities of the UAE, including H.E. Dr. Amin Al Amiri, Undersecretary for the Health Regulation Sector at UAE Ministry of Health and H.E. Hussain Al Mahmoudi, CEO of Sharjah Research, Technology and Innovation Park (SRTIP).



**The Emerging Longevity Industry:  
A UAE Perspective**

DEEP KNOWLEDGE ANALYTICS  
مجمع الشارقة للتكنولوجيا والابتكار  
Sharjah Research Technology and Innovation Park

Online Event

14 February 2022 | 3 - 4 PM GST/UAE



AGING ANALYTICS AGENCY

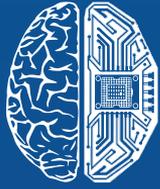
DEEP KNOWLEDGE GROUP

DEEP KNOWLEDGE ANALYTICS

**Deep Knowledge Analytics**

**The Emerging Longevity Industry -  
A UAE Perspective**

February 2022



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# Deep Knowledge Group Media Presence in GCC Region

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# Media Presence in Gulf Region

General Partner of Deep Knowledge Group Dmitry Kaminskiy to **Fortune Arabia** “Data science has become the Google of investment decisions”.



أحد مواقع مجلة

تسجيل الدخول

البحث

خدمة البحث مدعومة بتقنيات التعلم

القوائم

التغييرات الإدارية

استثمار

جديد ريادة الأعمال

وجه

فيديو

النشرات البريدية

آراء وخبرات

## علم البيانات أصبح بمثابة جوجل القرارات الاستثمارية

نظراً لأن علم البيانات هو حالياً موضوعي للغاية، يعيد الناس التفكير في تقييم الإجابات التي تنتجها مناهج علم البيانات، وصل طرق متعددة لصياغة الحلول لتحقيق أفضل النتائج.

بقلم **ديمتري كامينسكي**

27 أكتوبر 2022

*“Data science is currently very subjective, pushing us to rethink the answers that various data science approaches produce, and ultimately enabling us to refine solutions that can help us generate better insights from data.”*

# Media Presence in Gulf Region

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## **From age-friendly cities, how about creating 'longevity valleys'?**

While longevity is an emerging industry globally and relatively new to the MENA region, it is expected to be the largest of all time. Longevity is focused on healthy ageing, comprising technologies and software that aim to improve the health and lifespan of people.



## **The inevitable rise of DeepTech as a new asset class**

At Deep Knowledge Group we have been working on developing and deploying solutions such as Longevity, FinTech, SpaceTech, HealthTech, GovTech, InvestTech. We have established a specific subsidiary, InvestTech Advanced Solutions, focused on designing new investment technologies and financial products.



## **Dubai ranked 11th most popular city globally for residence-by-investment programmes**

The UAE has been praised for its coronavirus response. A survey by the Deep Knowledge Group, a consortium of technology companies and non-profit organisations, last month ranked the Emirates as 11th on the list in its responses to the pandemic.

# Media Presence in Gulf Region



## How FoodTech accelerator can support the GCC's food security goals

While the GCC is considered food-secure, the region should still address challenges related to food security such as regional instability, global conflicts, water scarcity and climate change.



## UAE rated among top 10 countries by millionaires seeking health security

The UAE's investment migration programme has been rated the best in the Middle East and the Arab world and among the top 10 globally by the millionaires seeking health security, according to Deep Knowledge Analytics and Henley & Partners' new research.



## The FemTech sector: challenges for the coming years

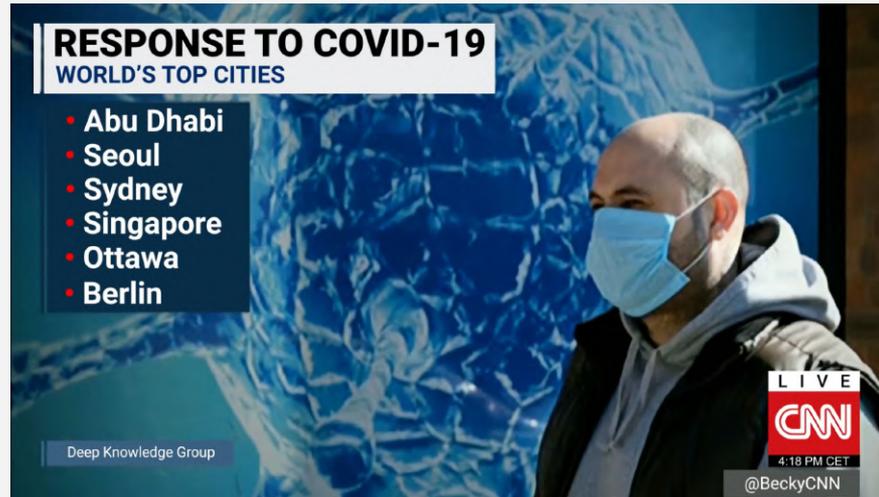
Baha Hamadi, Vice President of Communications, spoke to CNBC Arabia on FemTech and Longevity, how the convergence of the knowledge economy and technology support GDP growth, and the expected economic impact of relatively new sectors in the UAE and MENA such as Longevity.

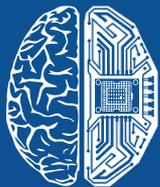
# Media Presence in Gulf Region

Baha Hamadi, VP of Communications at Deep Knowledge Group, speaking to **CNNC Arabia** on FemTech and Longevity, how the convergence of the knowledge economy and technology support GDP growth, the expected economic impact of relatively new sectors in the UAE and MENA such as Longevity, and our ongoing partnership with Sharjah Research, Technology and Innovation Park.



Deep Knowledge Analytics Releases COVID-19 City Safety Ranking Q1 2021 has been highlighted by **CNN**. Analytical Case Study ranks COVID-19 safety of 25 cities, utilizing 1300 data points to rank COVID-19 safety and pandemic response efficiency - vaccine distribution, government efficiency, and economic resilience.





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# Deep Knowledge Group Notable Acknowledgements in GCC Region

# Notable Acknowledgements

مجمع الشارقة للبحوث  
والتكنولوجيا والابتكار  
Sharjah Research Technology  
and Innovation Park



Sharjah Research Technology and Innovation Park (SRTIP) and Deep Knowledge Analytics (DKA) have forged a first-of-a-kind strategic partnership aimed at mapping and developing the longevity sector in the UAE.



The Saudi Government  
Communication Center

The Government Communication Center is one of the vital arms of the Ministry of Information. The Center acknowledged Deep Knowledge Group COVID-19 Safety Ranking published on June 4, 2020.



غرفة أبوظبي  
ABU DHABI CHAMBER

The Abu Dhabi Chamber of Commerce acknowledged Deep Knowledge Group COVID-19 Rankings published on April 14, 2020.



مركز التواصل الدولي  
CENTER FOR INTERNATIONAL  
COMMUNICATION

It is an initiative of Ministry of Media to facilitate relationships with the global media community. The Center acknowledged Deep Knowledge Group COVID-19 Safety Ranking published on June 4, 2020.

# Notable Acknowledgements



**Ahmed Bin Sulayem**  
Executive Chairman of  
DMCC

Ahmed Bin Sulayem, acknowledged Deep Knowledge Group's COVID-19 Rankings published on August 26, 2020.



**Dr. Amin Hussain Al Amiri**  
Asst. Undersecretary in UAE  
Ministry of Health

Dr. Amin Hussain Al Amiri has delivered the note on at the event organized by Deep Knowledge Group "The Emerging Longevity Industry: A UAE Perspective"



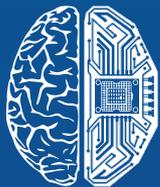
**Hussain Al Mahmoudi**  
CEO of Sharjah Research,  
Technology and Innovation  
Park

Hussain Al Mahmoudi acknowledged Life Sciences in the UAE 2022 Report released in close cooperation with Sharjah Research, Technology and Innovation Park



دائرة الصحة  
DEPARTMENT OF HEALTH

Department of Health - Abu Dhabi highlighted the Pandemic-Resilient Cities Ranking 2022 released by Deep Knowledge Analytics



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# Deep Knowledge Group Analytics on GCC Region

[www.dkv.global](http://www.dkv.global)

[www.dkv.global/gcc](http://www.dkv.global/gcc)

# Deep Knowledge Group's Analytics on GCC Region

Life Sciences in the United Arab Emirates

February 2022

www.srtip.ae www.dka.global www.aginganalytics.com

Advanced Biomedicine in the Gulf Region Landscape Overview

Prospects for the Development of A Full-Scope Gulf Longevity Hub

Longevity Precision Health Finance Policy

GovTech Development During COVID-19: How Technologies Have Helped

Special Edition

August 2021

Contributors

DEEP KNOWLEDGE ANALYTICS GOVTECH DIVISION, UAE, Abu Dhabi; SDIAA, Saudi Arabia; #ADD, Morocco; egovernment, Switzerland; D1GOV, UAE, Dubai; GovMind, Germany; IT-GRAD, Riyadh, Katar; and others.

SpaceTech in the GCC Region

Q3 2022

September 2022

www.spacetech.global

Pandemic-Resilient Cities Ranking 2022

Benchmarking of Municipal Pandemic Response

- Vaccines
- Economy
- Prevention
- Governance
- Safety
- Compliance

AgriTech in the UAE Industry Landscape Q3 2022

www.dka.global www.srtip.ae

[www.dkv.global/gcc](http://www.dkv.global/gcc)

# Life Sciences in the UAE 2022

A comprehensive analytical report which assembled information about key trends in the Life Sciences Industry in the UAE.

The report showcases core analytical findings and conclusions through a variety of infographic mindmaps. Its chapters introduce readers to **specific areas of the Life Sciences Industry in the UAE**.

This analytical case study presents a unified framework based on a vast industry database including **420+ companies, 90+ investors, 6 government organisations, and 15+ R&D centres** that operate, interact with, or are involved in the Life Sciences Industry. The key purpose of this report is to support all entities and stakeholders across industries in their strategic decision-making.

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## Life Sciences in the United Arab Emirates

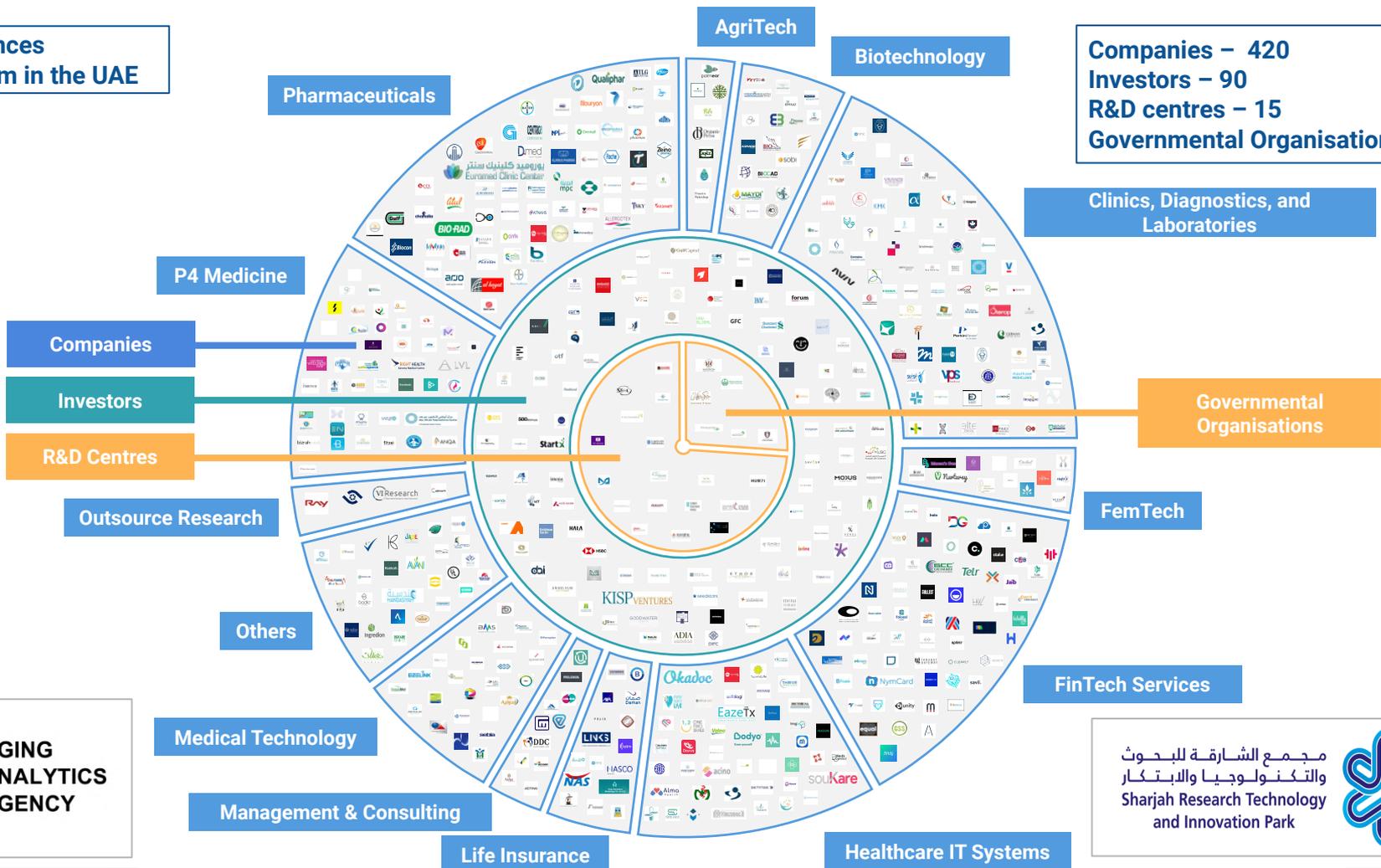
February 2022

[www.srtip.ae](http://www.srtip.ae) [www.dka.global](http://www.dka.global) [www.aginganalytics.com](http://www.aginganalytics.com)

[www.aginganalytics.com/life-science-uae](http://www.aginganalytics.com/life-science-uae)

**Life Sciences  
Ecosystem in the UAE**

**Companies – 420**  
**Investors – 90**  
**R&D centres – 15**  
**Governmental Organisations – 6**



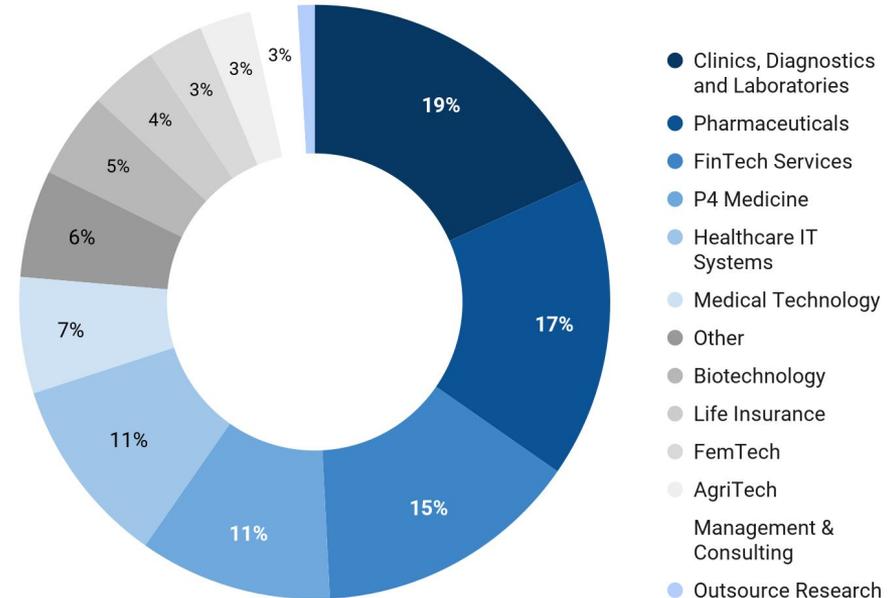
# UAE Life Sciences Industry at a Glance

420+ **Life Sciences** companies in the UAE were classified into **13 broad categories**, each of which has a unique approach to contributing to the Life Sciences ecosystem.

Top most represented segments are as follows:

- Companies in the **Clinics, Diagnostics, and Laboratories** category (**19%**) offer innovative treatment and deep diagnostics services.
- **Pharmaceutical** firms (**17%**) are those that deal with pharmaceuticals, drug manufacturing, and distribution.
- Companies in the **FinTech Services** (**15%**) sector offer financial solutions, business finance, and solutions to fund lifestyle and social care.
- Companies in the **Healthcare IT System** category (**11%**) offer AI-based healthcare solutions, including remote diagnosis and treatments.
- Companies in the **P4 Medicine** category (**11%**) provide precise diagnostics and treatment services.
- The **Other** category (**6%**) includes wellness and fitness companies, mental health, EdTech, and NeuroTech companies.

Distribution of UAE Life Sciences Companies by Category



# UAE Life Sciences Industry at a Glance: Companies

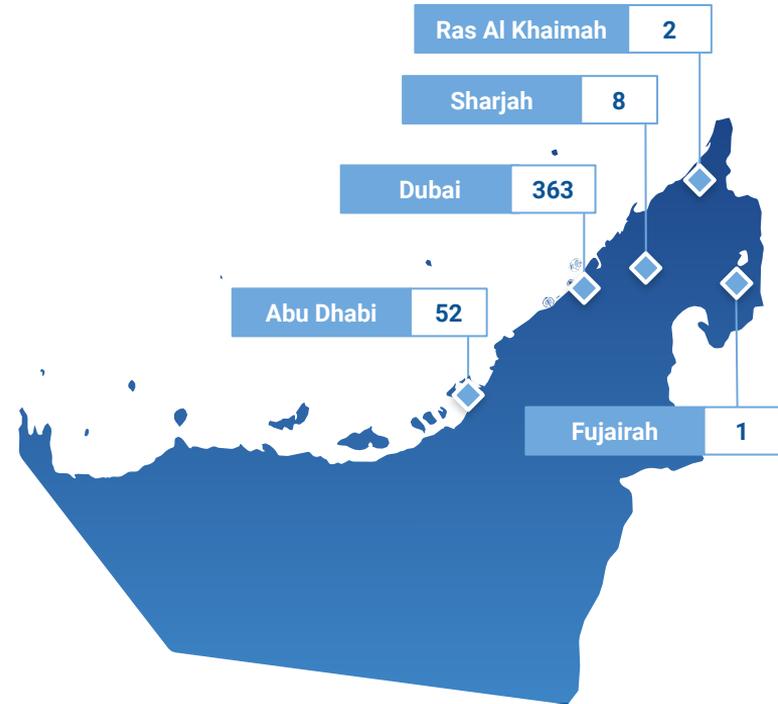
The majority of Life Sciences companies in the UAE are located in the Emirate of Dubai.

The government of Dubai supports innovations and establishes new Life Sciences initiatives on an ongoing basis. For instance, **Dubai Science Park** is a creative environment that fosters development in the medical, wellness and pharma sectors, with medicine, perfumery, and F&B labs manufacturing products locally.

**The creation of a robust and resilient healthcare industry is a key priority for the UAE.** One of the most promising methods to achieve this is by increasing research and development (R&D).

Dubai welcomes many next-gen medicine and healthcare companies to business districts that provide an ecosystem for medical innovation. **As the region's Healthtech Industry grows, so will the community of science-backed startups.** It will consolidate Dubai's position as a global hub for biotechnology and Life Sciences.

Distribution of UAE Life Sciences-Focused Companies by Emirate



# Advanced Biomedicine in the Gulf Region Landscape Overview 2019

The report provides a dedicated analysis of the levels of Longevity-progressiveness in the Gulf region, analyzes the current levels of Healthy Longevity, healthcare efficiency, economic burden of ageing economy.

The report identifies the specific factors with the greatest likelihood of enabling governments to develop integrated Longevity strategies and ecosystems to scale and reduce as much as possible their national gap between life expectancy and Healthy Longevity with the focus not just on quantity of life, but also on quality.

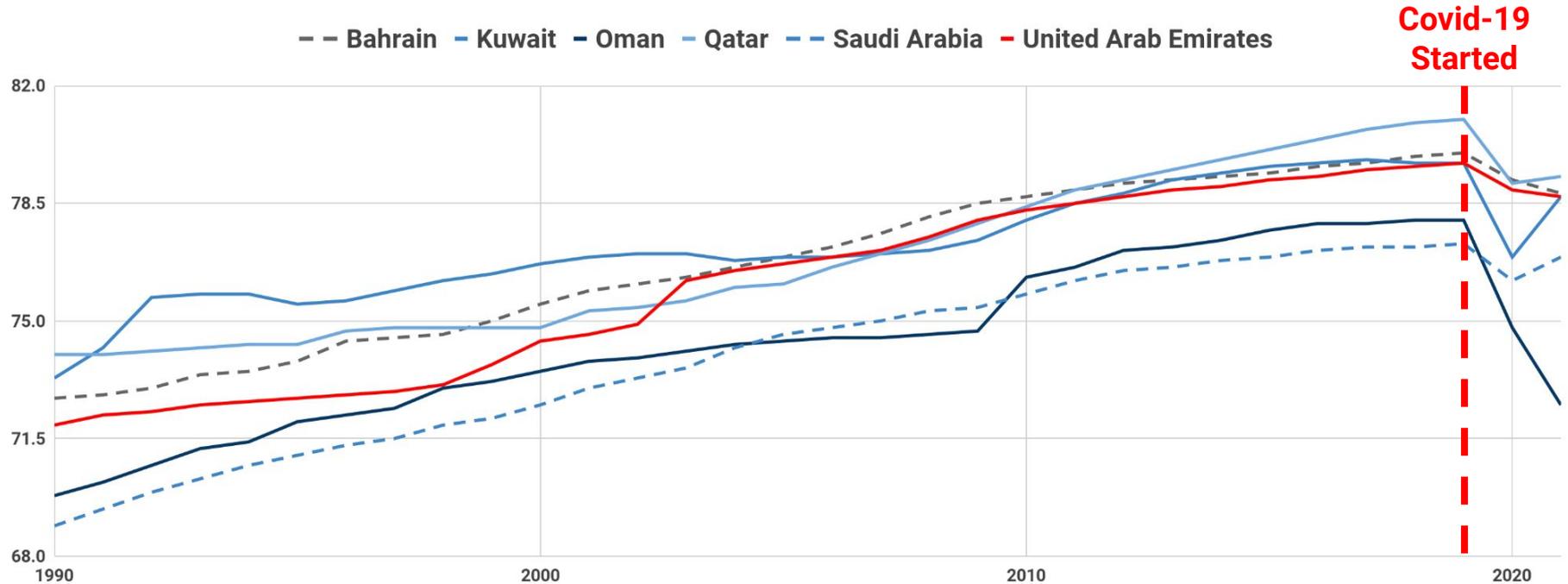
200 analyzed parameters were used per country (1200 parameters in total), divided into 6 layers and grouped in accordance with the nature of the variables being analyzed.



[www.aginganalytics.com/longevity-in-gulf](http://www.aginganalytics.com/longevity-in-gulf)

# Ageing Trends in the Gulf Region

Life Expectancy at Birth over Years across Gulf Countries



Over 1990-2021, the average Life Expectancy for 6 countries of the Gulf Region has increased by 5.7 years. The ageing of the population in the GCC countries corresponded to the global trend of a sharp decrease after the beginning of COVID-19 pandemic.

# AgriTech in the UAE Industry Landscape Q3 2022

**AgriTech in the UAE Industry Landscape Q3 2022** summarises vital observations in the AgriTech ecosystem of the UAE, a rapidly evolving and growing industry.

Based on the assembled and analysed data, the report reveals vital features, trends, innovations, technologies, and market size, among other perspectives. The analytics of the report are based on information about 140 organisations, including 100 companies selected by sector, 30 investors, 10 Government Agencies & Hubs.

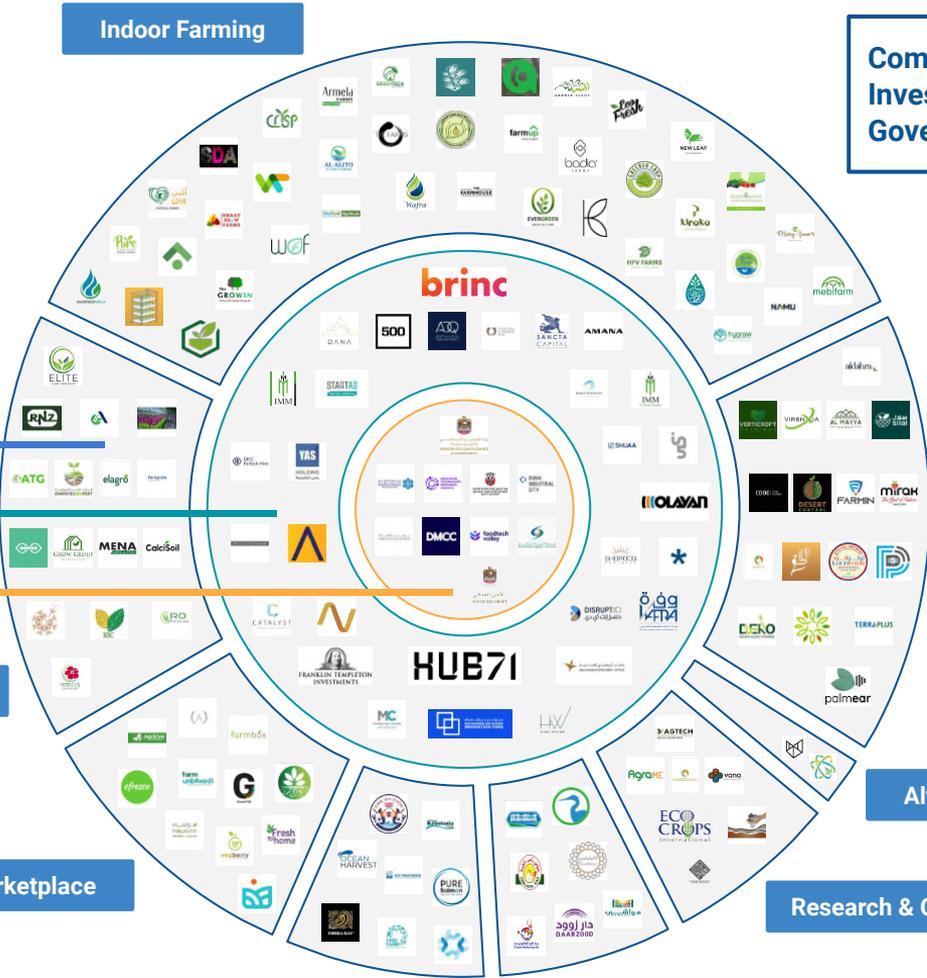
The report offers a wealth of valuable information and analysis on the major opportunities, challenges, and trends that are currently shaping the AgriTech sector.



[www.dka.global/agritech-uae-q3-2022](http://www.dka.global/agritech-uae-q3-2022)

**AgriTech in the UAE  
Industry Landscape  
Q3 2022**

**Companies – 100  
Investors – 30  
Government Agencies & Hubs – 10**



**Companies**

**Investors**

**Government Agencies & Hubs**

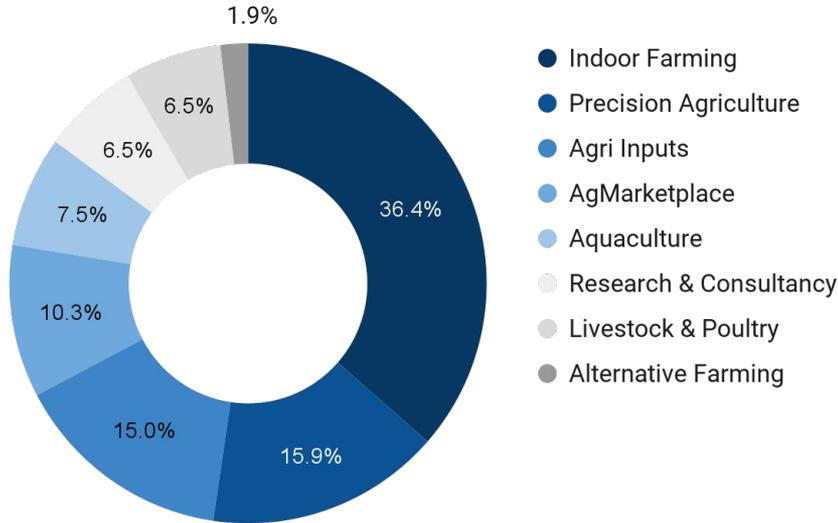
**Agri Inputs**

**DEEP KNOWLEDGE ANALYTICS**

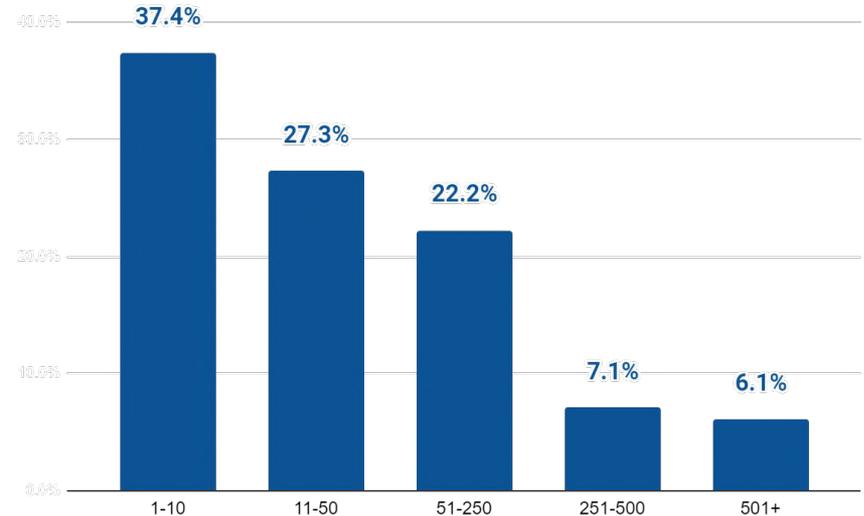
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**Sharjah Research Technology and Innovation Park**

# The State of UAE's AgriTech in 2022

## Share of AgriTech Companies by Subsector



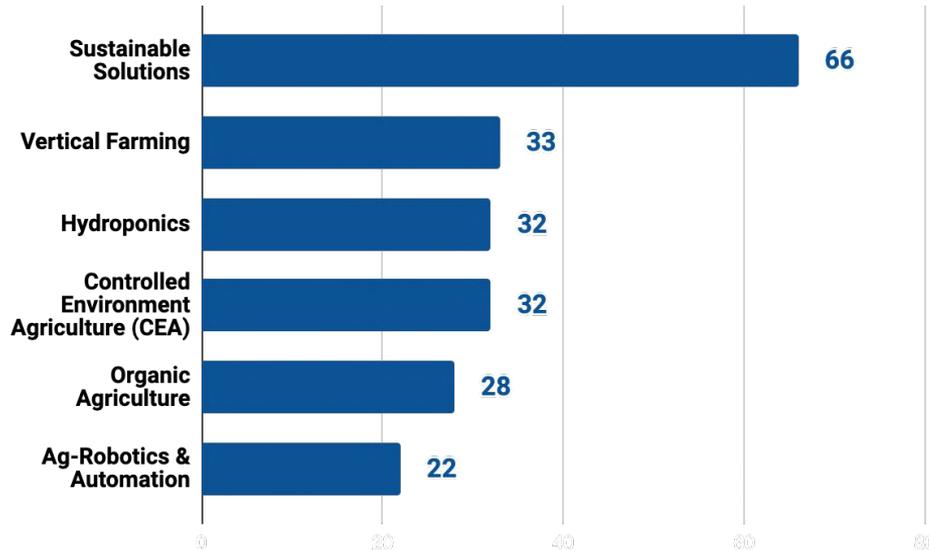
## Breakdown of AgriTech Companies by Number of Employees



Indoor Farming is the largest category, comprising 36.4% of all analysed companies. This subsector includes such companies as [Aranya Farms](#) and [Merlin Farms](#), aiming to produce agricultural products indoors. The second and the third biggest types are Precision Agriculture (e.g. [Verticroft](#) and [Silal](#)) and Agri Inputs (e.g. [RNZ International](#) and [MENA Agro and Feed](#)), with a 15.9% and 15.0% share, respectively. According to research, 65% of AgriTech companies are micro-sized enterprises with fewer than 50 employees.

# The State of UAE's AgriTech in 2022

Focus of AgriTech Companies, Number of Companies



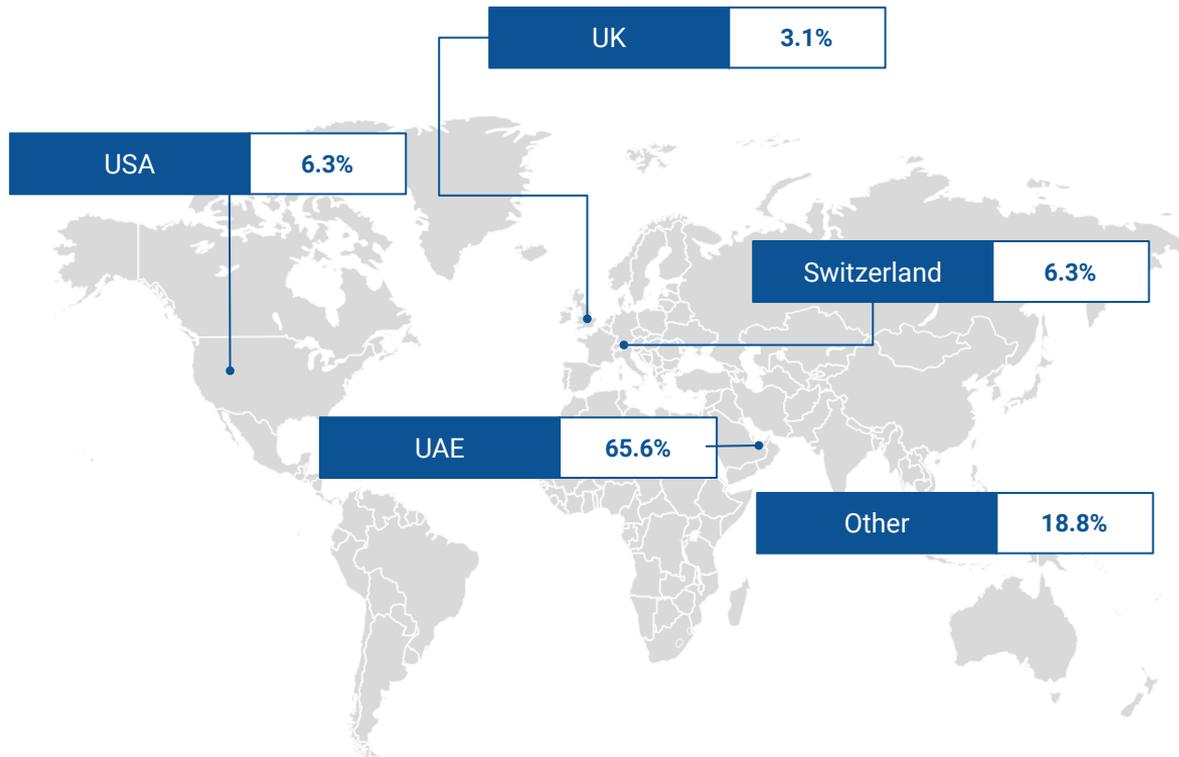
Technologies and Solutions Used in AgriTech

Vertical Farming	Hydroponics	Ag-Robotics & Automation
Artificial Intelligence	Blockchain	Remote Sensing
Intelligent Data Analysis	Internet of Things	Machine Learning
BioTech	Real-Time Cameras	Hydro Membrane Film
Fogponics	Audio Engineering	Satellite Imagery

Sustainability is under the spotlight for the UAE start-ups, 66 companies address technologies to reduce food waste and greenhouse gas emissions. The UAE has the potential to be a major player in the vertical farming space because of its climate and government support for such AgriTech innovations.

# AgriTech Investors in the UAE

Investors Distribution by Countries



The UAE's favourable climate and infrastructure make it an ideal location for AgriTech companies, and the government is supportive of the sector through initiatives such as the Dubai Industrial Strategy 2030. With a strong foundation in place, the AgriTech sector is poised for continued growth in the coming years.

The AgriTech sectors show the inherent prevalence of the UAE investors' share in terms of investor representation. Currently, approximately 66% of investment into the UAE AgriTech companies comes from the UAE-based investors. The three other significant countries that house the investors are the USA, Switzerland, and the UK.

The rest of the investment comes from Kuwait, Saudi Arabia, and the Asia and Pacific (APAC) region.

# GovTech Development During COVID-19. Special Edition 2021

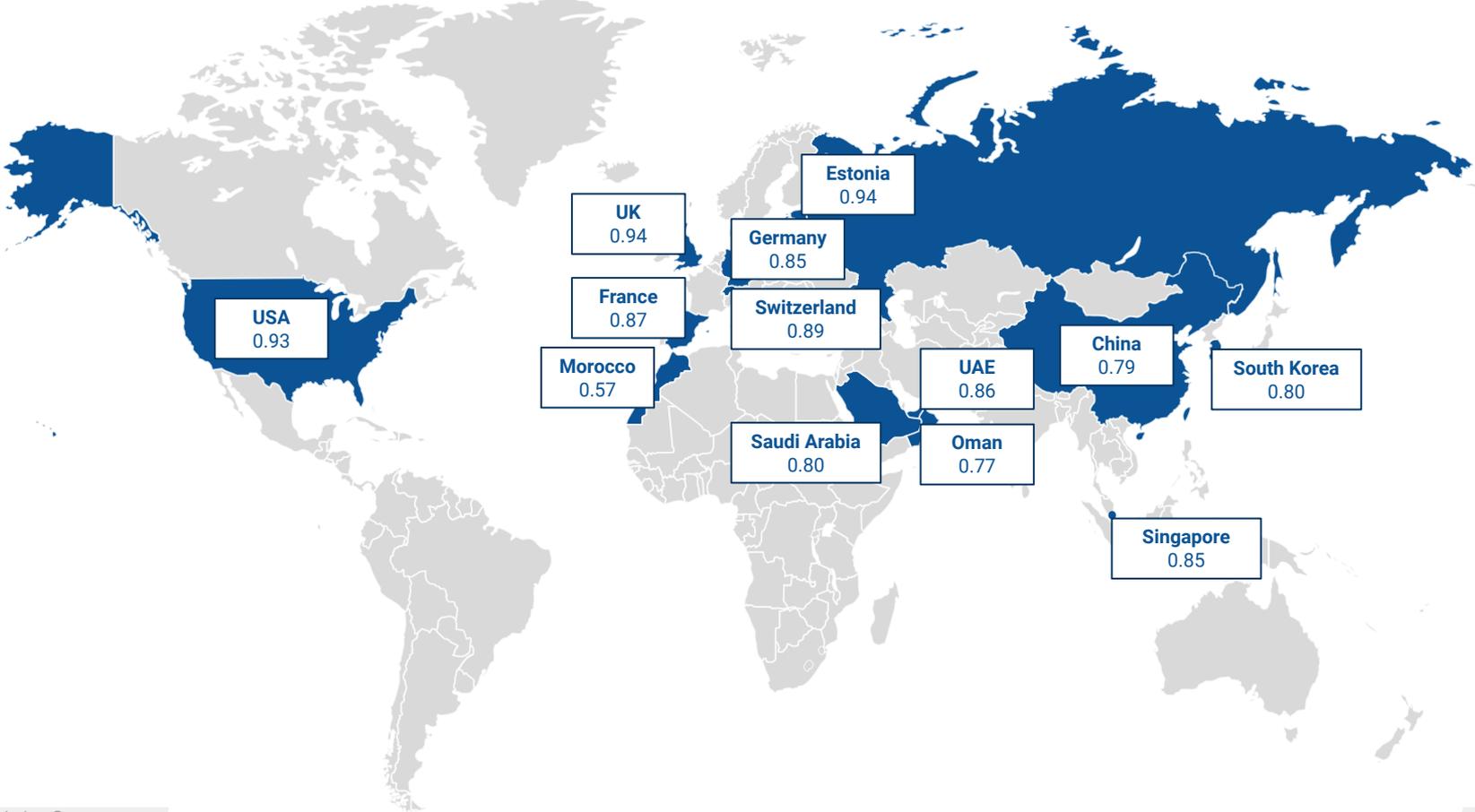
The third edition of the GovTech report, developed by the GovTech Division of Deep Knowledge Analytics, considers 14 countries and how technologies helped to fight COVID-19 in these countries.

The main goals of the report are to highlight the most effective e-government and GovTech solutions implemented during the COVID-19 pandemic; to consider existing tools and solutions that have been further developed and boosted in response to the pandemic; to determine the importance and role of government authorities in the creation and implementation of GovTech tools; and to consider how e-government and GovTech tools will be used in the post-pandemic world.



[www.govtech.global/govtech-special-edition-q3-2021](http://www.govtech.global/govtech-special-edition-q3-2021)

# E-Government Index 2020 in Observed Countries



# Comparison of GovTech Development by Countries in terms of COVID-19

	China	Estonia	France	Germany	Morocco	Oman	Russia	Saudi Arabia	Singapore	South Korea	Switzerland	UAE	UK	USA
Usage of social media	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Official website regarding COVID-19	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Prevention of misinformation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Engagement of citizens in GovTech improvement	X	✓	✓	✓	✓	✓	X	✓	✓	X	✓	✓	X	✓
Initiatives to support elderly people	✓	✓	✓	X	X	✓	X	X	✓	X	✓	✓	X	✓
Budget for further digital transformation	\$1.6T	\$66.5M	\$8.4B	\$40.36**	\$4.92M	N/A	N/A	\$11B*	\$1B	\$15B est.	N/A	\$932M	\$0.7B	\$1.2B
Budget for COVID-19 resilience package	N/A	\$1.2B	\$17.7B	\$3.7B	\$1.12B	N/A	\$27B est.	N/A	\$11B	\$29.2B est.	\$27.0B	\$15.5B	\$485B	\$1.9T
Availability of Digital Transformation Plan	✓	✓	✓	✓	✓	✓	X	✓	✓	X	✓	✓	✓	✓
Cybersecurity initiatives	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

# SpaceTech in the GCC Region

The 'SpaceTech Activity in GCC Region Q3 2022' report summarises vital observations in the SpaceTech ecosystem, a rapidly evolving and exponentially growing industry within the Gulf Cooperation Council (GCC) region. In it, we have assembled information about key industry trends and created a local database of 40 SpaceTech companies, 14 leading investors, and 11 R&D centres and hubs, including top space agencies.

With a few major GCC countries achieving noteworthy advances in the space sector in recent years, there are significant opportunities for further development of SpaceTech in the region.



## SpaceTech in the GCC Region

Q3 2022

September 2022

[www.spacetechnology.com](http://www.spacetechnology.com)

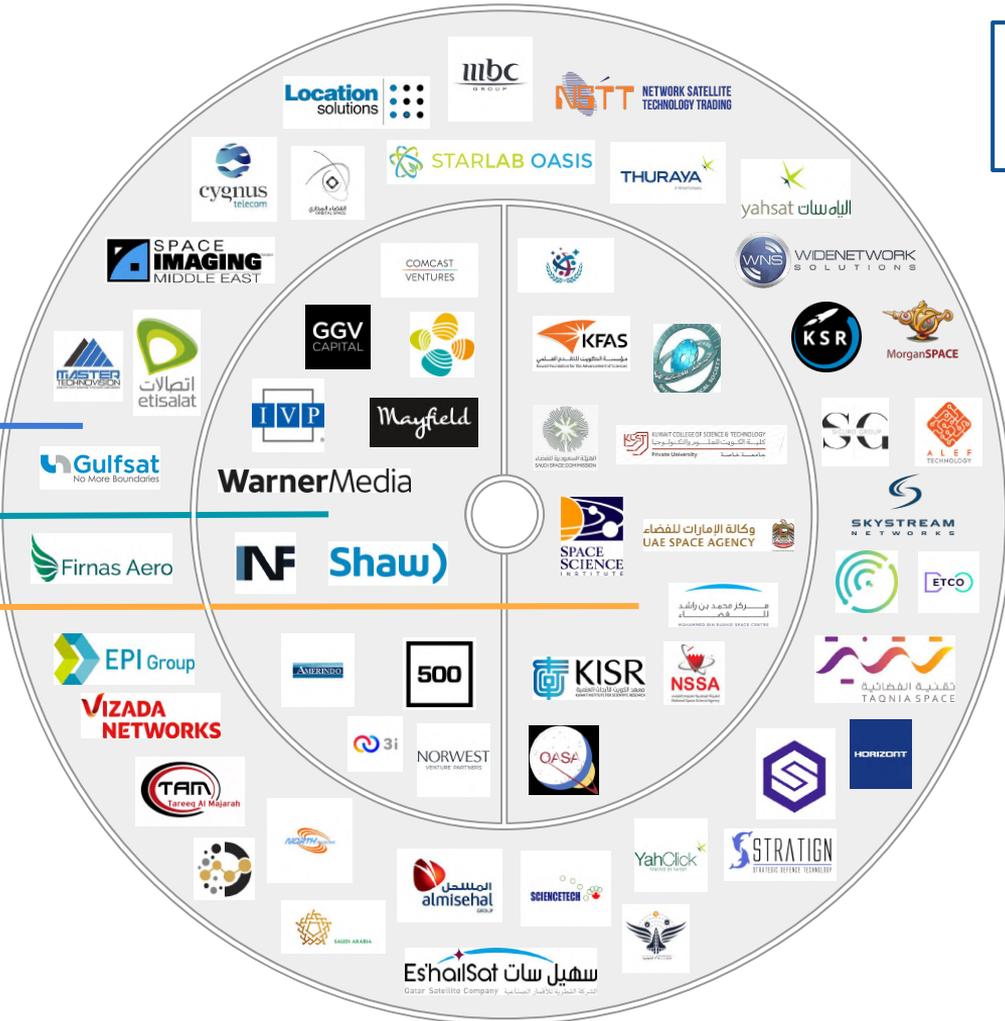


[www.spacetechnology.com/spacetechnology-in-gcc-2022-q3](http://www.spacetechnology.com/spacetechnology-in-gcc-2022-q3)

# SpaceTech in GCC Region 2022

Companies – 40  
Investors – 14  
R&Ds and Hubs – 11

- Companies
- Investors
- R&D Hubs



# Artificial Intelligence Industry in the Gulf Region 2022

**Artificial Intelligence Industry in the Gulf Region Landscape Overview 2022** report contains a comprehensive overview of the AI sector, providing such qualitative indicators as key findings and general landscape of the industry, and quantitative indicators like distribution of AI companies by types, regions. The report also delivers the investors mapping, overview of major investment trends, identifies the new opportunities and specifies the projections for further AI adoption across the GCC countries.

Wider and larger proliferation of data and AI should provide an impetus to Gulf states to further protect this vital resource, including upskilling the next generation in artificial intelligence and other technologies, and dealing with current issues in many domains.

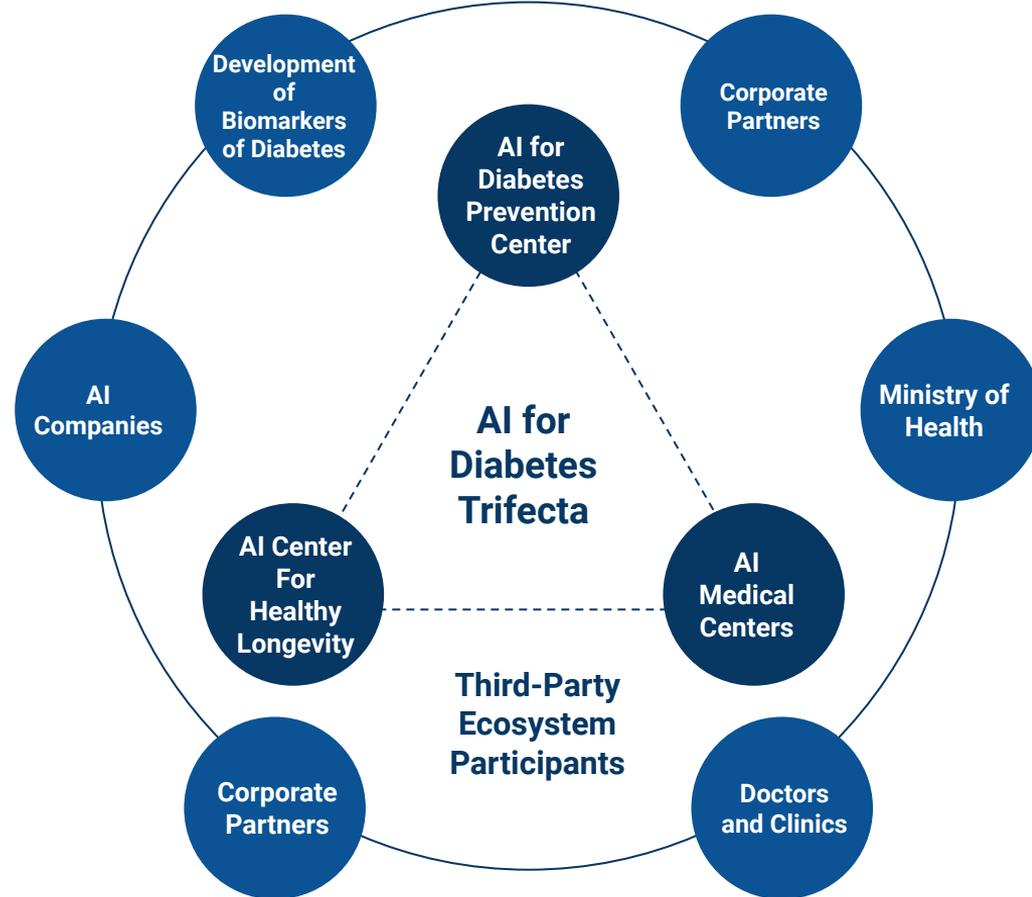


# Using AI for Diabetes Prevention in the GCC Countries

Artificial Intelligence, deep learning and machine learning have enormous potential to exponentially accelerate progress in the early detection, prevention and treatment of diabetes on a large scale. As the sheer volume of life data on early markers of diabetes, personalized methods of diabetes prevention (including optimized behavioural, lifestyle and diet regimes) and diabetes treatments continue to grow, AI is the only tool capable of handling such large amounts of life data and making sense of it.

The Gulf Region has the potential to establish an international Longevity leadership position via the proactive development of a comprehensive cross-sector infrastructure for applying artificial intelligence to the prevention and maintenance of diabetes.

Artificial Intelligence plays a critical role in the implementation of technologies on a massive scale in practice due to the levels of data involved and the need for sophisticated approaches to making sense of that data.



# Establishment of AI Centers for Healthy Longevity in GCC Countries

The impact of diabetes on the economics in the Gulf region is growing as patients with diabetes require at least 2-3 times the healthcare resources compared to people who do not have diabetes. The Gulf region has the potential to become an epicenter of diabetes prevention and treatment through the establishment of **Specialised AI Centers for Healthy Longevity with extreme stress on diabetes treatment** that will unite the resources of AI companies, corporate partners, hospitals and research labs to developing cutting edge and cost-effective solutions for diabetes prevention and management, effectively transforming the challenge of diabetes into a major opportunity to grow the health and the wealth of its population simultaneously.

**AI Center for Healthy Longevity would apply cutting-edge artificial intelligence techniques to early diabetes prevention and treatment optimization**



# Pandemic-Resilient Cities Ranking 2022

This publication is the second iteration of an ongoing and annually updated series of reports dedicated to municipal COVID-19 analytics.

The analysis used over 8,000 data points, 114 indicators, qualitative or quantitative in nature, classified into five qualitatively distinct categories applied to 72 cities and municipalities globally.

The primary focus of the second iteration of the report **is to analyse the progress** of regional response to pandemics at the city level. Advancement of policies implemented to tackle the threat from both successful examples of municipalities and those lagging behind will be compared.

The current analysis was expanded. It uses over 14,000 data points, applying the analytical framework composed of 141 qualitative and quantitative indicators, classified into six distinct categories, applied to 100 cities globally. From these 100 cities, the top 50 with the highest scores were selected and analysed for their best practices and the challenges they had to face.

## Pandemic-Resilient Cities Ranking 2022



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### Benchmarking of Municipal Pandemic Response

- Vaccines
- Economy
- Prevention
- Governance
- Safety
- Compliance

[www.dka.global/pandemic-resilient-cities-ranking-2022](http://www.dka.global/pandemic-resilient-cities-ranking-2022)

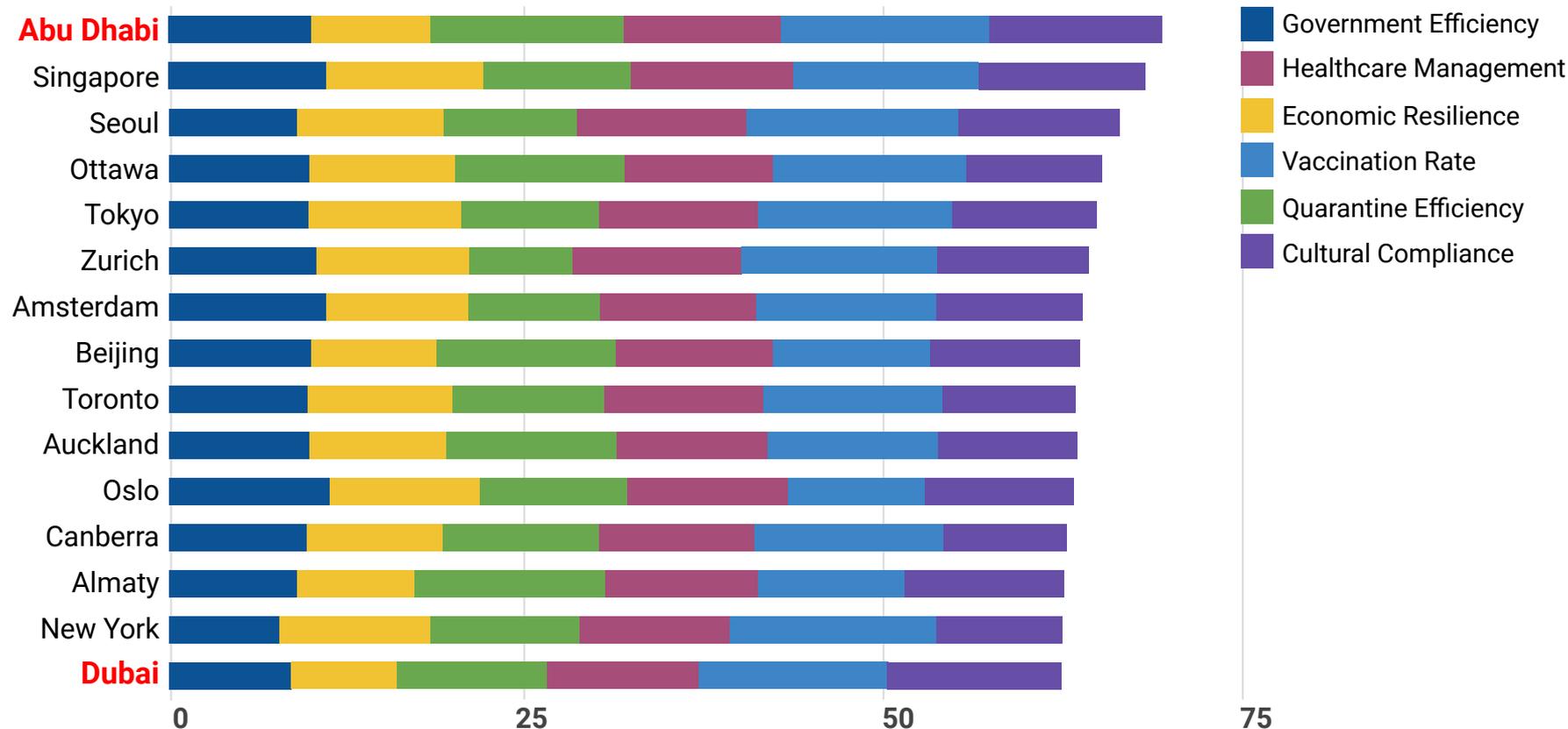
# Pandemic-Resilient Cities Ranking 2022

The table below compares the cities from the previous iteration and their progress in developing a COVID-19 containment policy during mid-2021 and mid-2022.

Rank 2022	City	Score 2022	Score Change 2021-2022	Rank Change 2021-2022
3	Ottawa	66.84	▲ 2.26	▲ 7
4	Seoul	65.96	▼ -5.45	▼ -1
5	Tokyo	65.55	▲ 2.46	▲ 9
10	Sydney	64.25	▼ -0.99	▼ -3
12	Auckland	64.15	▲ 2.68	▲ 7
15	Oslo	62.91	▲ 4.29	▲ 13
16	London	61.89	▼ -2.25	▼ -5
17	Berlin	61.64	▼ -1.67	▼ -4
18	Dublin	61.52	▼ -3.23	▼ -9
22	Riyadh	60.31	▲ 2.84	▲ 9
23	Dubai	60.07	▼ -6.95	▼ -18
24	Copenhagen	59.21	▼ -3.72	▼ -9
25	Bern	58.57	▼ -1.41	▼ -2

Rank 2022	City	Score 2022	Score Change 2021-2022	Rank Change 2021-2022
26	Madrid	58.56	▲ 1.22	▲ 6
29	Helsinki	58.17	▼ -2.09	▼ -8
30	Tel Aviv-Yafo	57.81	▼ -9.47	▼ -26
31	Brussels	57.58	▼ -3.05	▼ -11
32	Doha	57.55	▲ 1.73	▲ 4
36	Vienna	55.49	▼ -0.96	▼ -3
37	Lisbon	54.15	▲ 3.78	▲ 13
38	Hong Kong	53.76	▼ -5.69	▼ -14
40	Hanoi	53.15	▲ 1.47	▲ 4
41	Budapest	52.41	▼ -3.79	▼ -6
42	Athens	51.92	▲ 0.34	▲ 4
43	Valletta	51.76	▼ -4.61	▼ -9
44	Prague	51.72	▼ -2.03	▼ -5

# Pandemic-Resilient Cities Ranking 2022. Top 15 Cities\*



\*The figure displays Top 15 Cities of the Ranking, where the final score for each city is the sum of six equally weighted categories and ranges from 0 to 100.

# Pandemic-Resilient Cities Ranking 2022 - Abu Dhabi

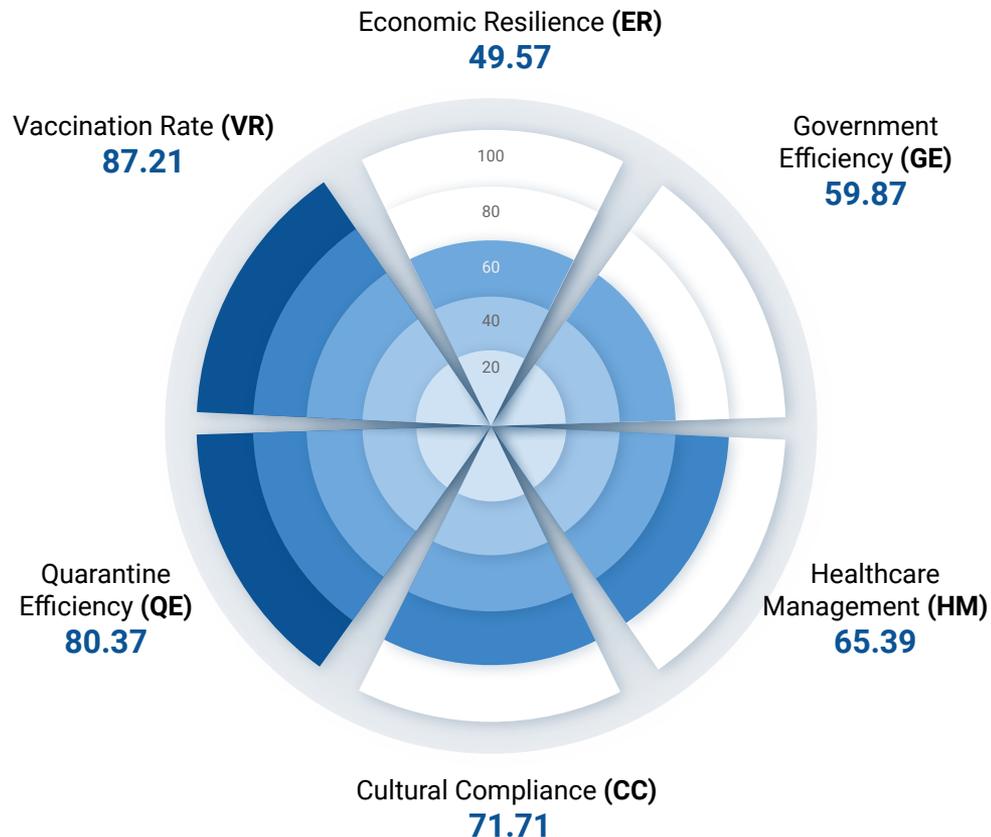
Overall Score – **69.02/100**

**Abu Dhabi** takes the lead among the Top 50 cities in the Pandemic-Resilient Cities Ranking. The city has been an exemplary case of efficient vaccination strategies combined with effective contact tracing apps to prevent the spread of the virus.

The economy rescue package is minimal since the city's economy has high levels of liquidity and capital buffers that would protect its economy and mitigate the effects of the pandemic.

Abu Dhabi responded promptly to a new reality of online business by providing remote working guidelines, virtual labour markets, a national campaign for mental health support, and 24/7 online government services.

In November 2022, The United Arab Emirates has dropped almost all coronavirus restrictions two-and-a-half years after the pandemic began, as cases continued to drop in the Gulf country.



# Pandemic-Resilient Cities Ranking 2022 - Dubai

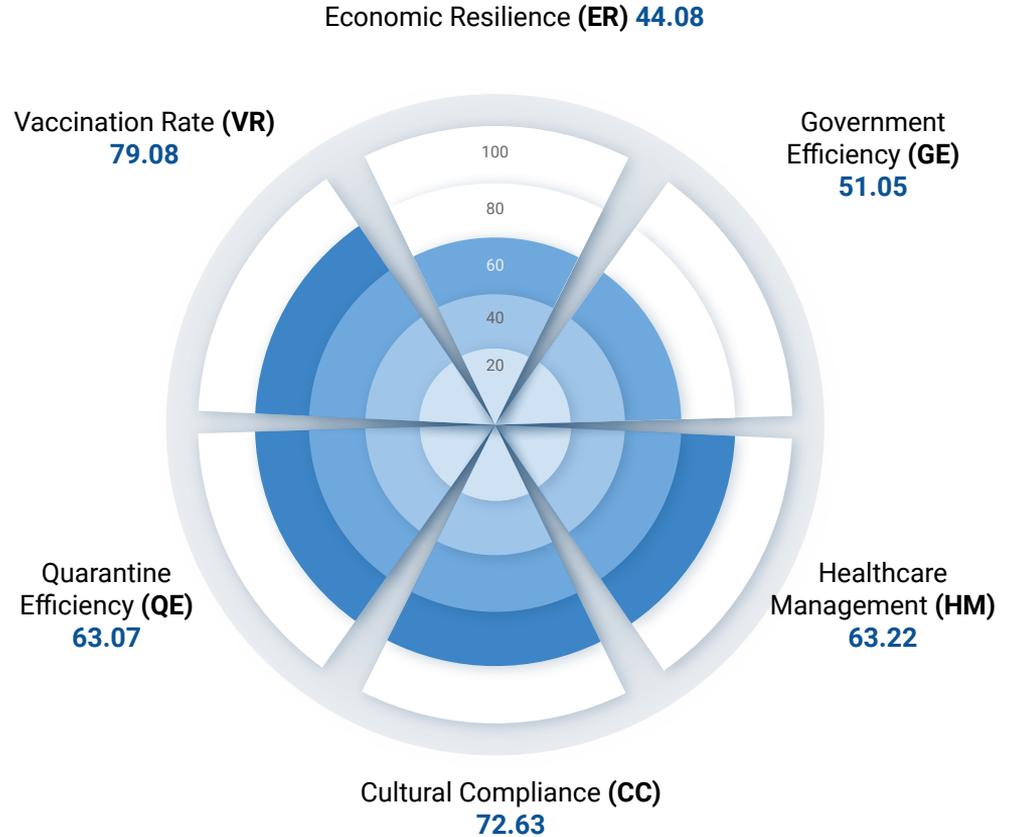
Overall Score – **69.02/100**

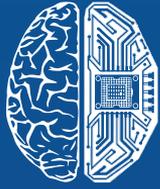
**Dubai** ranks 15th in the Pandemic-Resilient Cities Ranking. The city continues to employ advanced technology and safety controls to monitor and detect the incidents, together with stringent measures across every touchpoint, from airports to leisure and entertainment facilities.

The country reports 99% of the population has received at least one dose, with vaccines being available free of charge across the country. The stringency of containment policy scores is low.

Multi-pronged fiscal initiatives helped Dubai to limit the economic impact of the pandemic. Starting from November 2022, the population does not longer need to wear face masks when travelling on public transport in Dubai.

The Dubai Health Authority (DHA) has won the Future Enterprise Award 2022 for its E-connected Healthcare Model toward COVID-19 response.





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# Gulf Region Longevity Hub Initiative

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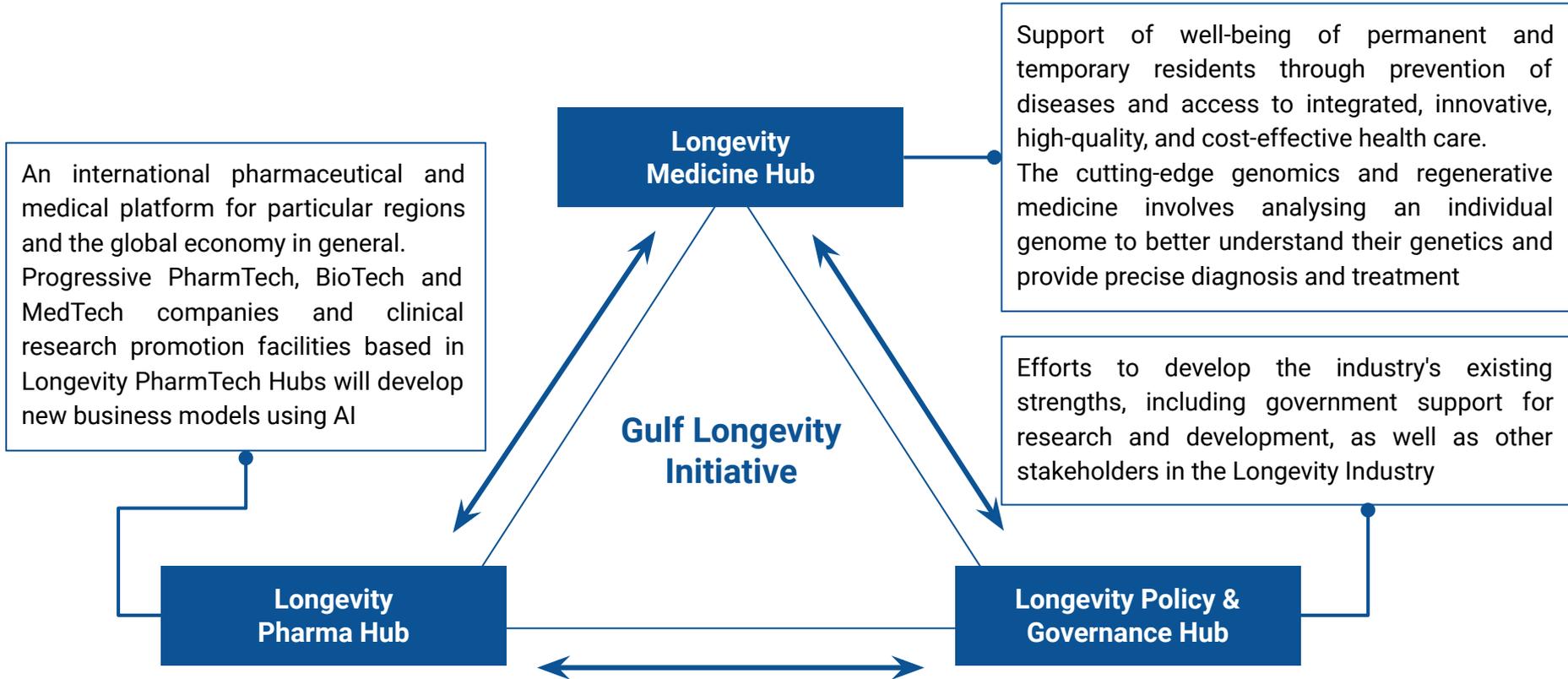
# Gulf Region Longevity Hub Initiative

**Gulf Longevity Initiative** is a leading Longevity Policy Hub and Think Tank concept, aiming to leverage the regional strengths and potentials of GCC countries in order to turn the Gulf ecosystem into a world-leading Longevity Hub.

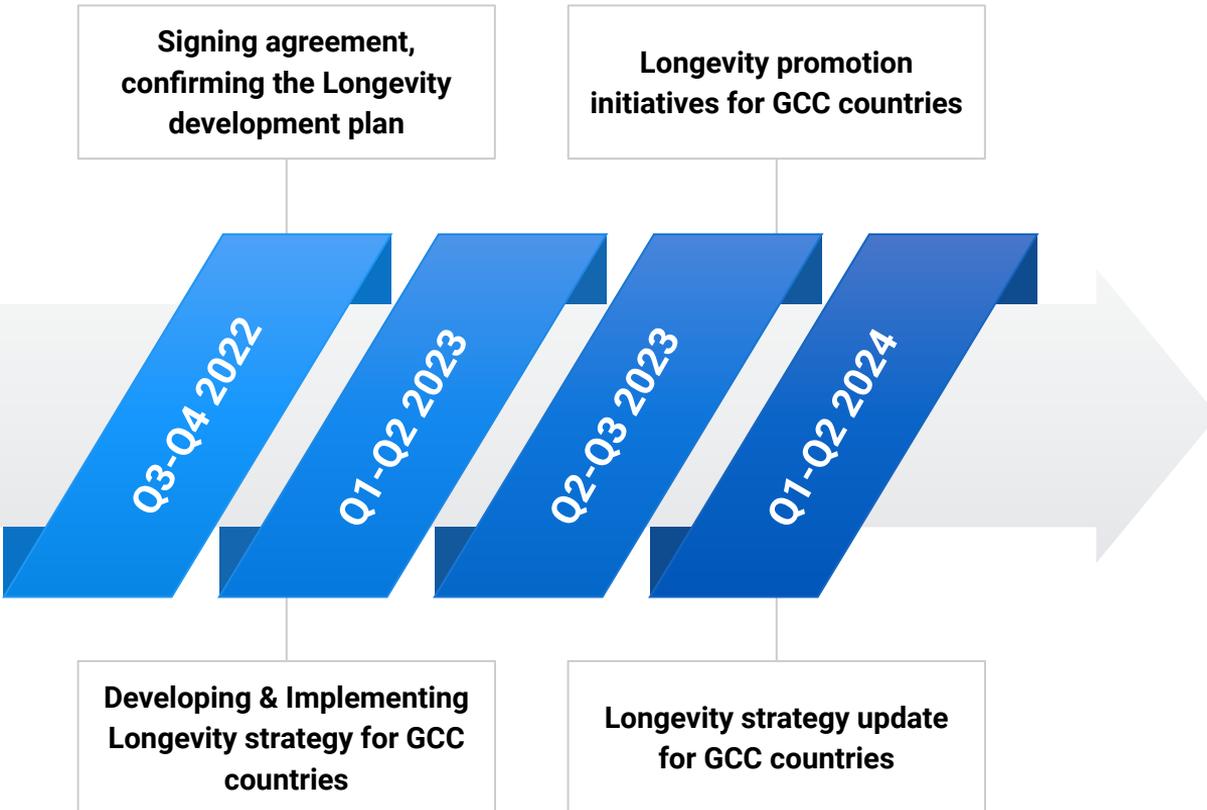
The initiative seeks to unite the resources of several Gulf countries towards the shared goal of concerted Longevity Industrialization. Collectively tackling the challenge of an increasingly aging population and leveraging Longevity Industrialization in the Gulf will require a robust, synergetic, cross-border approach. Longevity represents one of the most strategically relevant and economically viable sectors for the GCC region.



# Three Pillars of Gulf Longevity Initiative



# Gulf Region Longevity Hub Initiative Roadmap

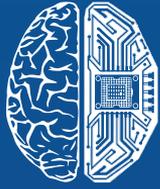


Gulf Region Longevity Hub Initiative will allow GCC countries to optimize Longevity-related policies.

## The advantages of Initiative Realization:

- Attracting Longevity and investors companies in GCC
- Increasing the awareness of GCC
- Further development of the technology based on the users' experience and gained data
- Increasing the health and lifespan of the population

Nations taking part in this initiative must not just seek to replicate the best international practices but to surpass them, capitalizing on the magnitude of the collective resources present within the Gulf. This initiative will allow the GCC to create frameworks and strategies tailored to the needs of the region, addressing high-priority issues prevalent among the Gulf population.



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# Deep Knowledge Group Big Data Analytical System and Dashboards

# Analytical Methods and Systems Developed by Deep Knowledge Group



Created frameworks as a basis for further analytical research of complex industries

**Frameworks of Complex Longevity and DeepTech Industries**

2013



Produced first-of-their-kind reports on Longevity and DeepTech

**Fundamental Analytical Reports**

2014 - 2018



Industrial and regional representation of the market development

**Advanced Visualization of DeepTech Industries**

2019



Different analytical products arranged into thematic dashboards

**Big Data Analytics Dashboards**

2020 - 2021



Extended the number of dashboards' tools and added the embedded AI Engine

**AI-driven Big Data Analytics System and Dashboards**

2021 - 2022

# Overview of Big Data Analytics System and Dashboards

We provide profound investment and data science insights on the private and public markets via **customized IT-Platforms and Dashboards.**

512,000+	Companies
40,000	Investors
33 million	Data Points
170	Parameters of Automated SWOT Analysis



## Market Intelligence Focus

HealthTech

Longevity

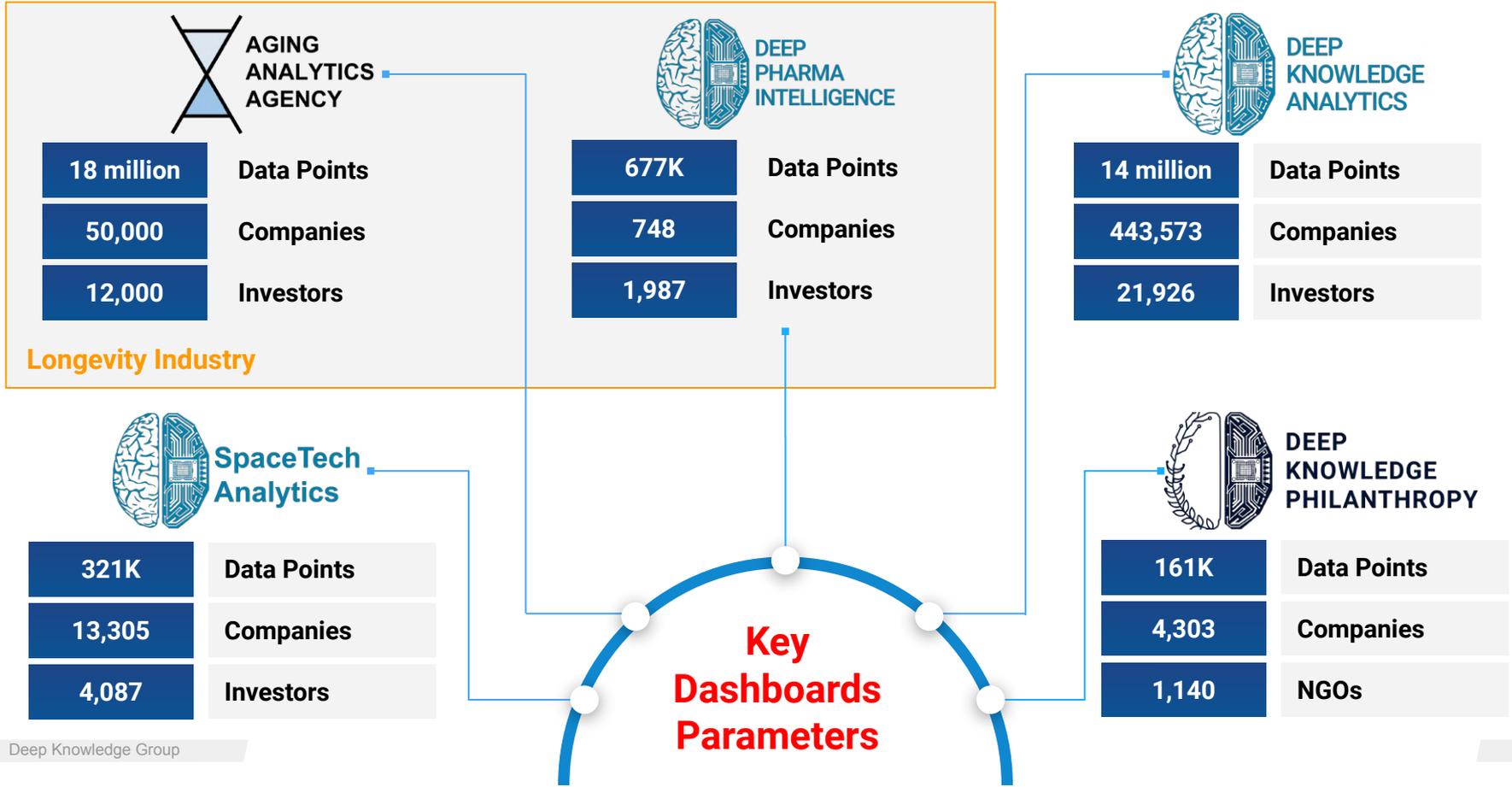
DeepTech

GovTech

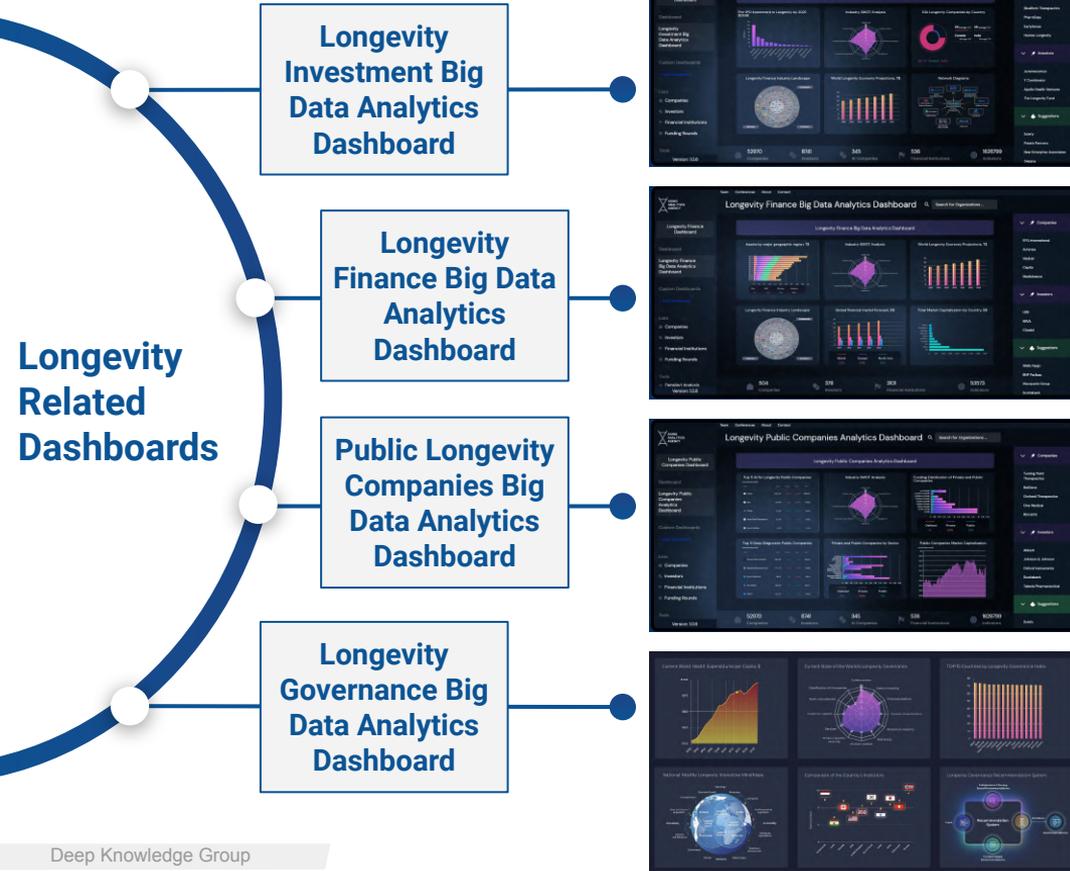
BioTech

Philanthropy

# Deep Knowledge Group's Big Data Analytical System and Dashboards



# Longevity-focused Big Data Analytics Systems and Dashboards



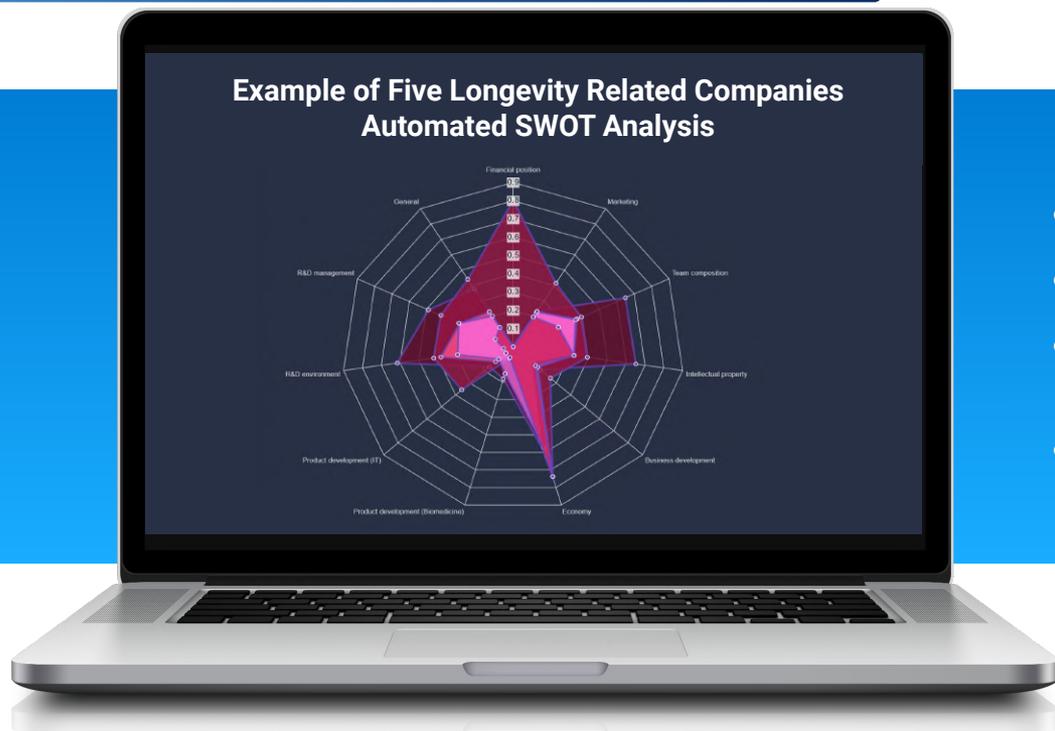
Deep Knowledge Group has developed a set of analytical dashboards dedicated to various aspects of the Longevity Industry.

Big Data Analytics Systems and Dashboards aim to deliver in-depth coverage of the broad and complex Longevity Industry and serve as the handful tools to resolve analytics-related goals. Each of the currently existing Big Data Analytical Dashboards is devoted to a specific aspect of the Longevity Industry.

The ultimate goal for the creation of Longevity-focused Big Data Analytics Dashboards is to provide first-of-its-kind analytics devoted to exclusively Longevity-related topics. The development of such a source of analytics is considered to be one of the steps to the comprehensive understanding of the traction of the Longevity Industry and making the projections for its future.

[www.deep-innovation.tech](http://www.deep-innovation.tech)

# Automated SWOT Analysis as a Key Tool of Deriving Value from the Data Scarcity



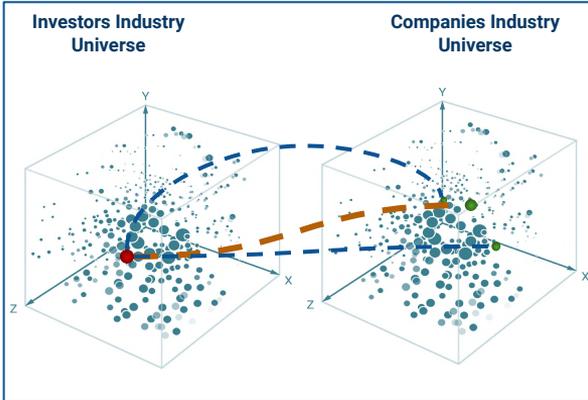
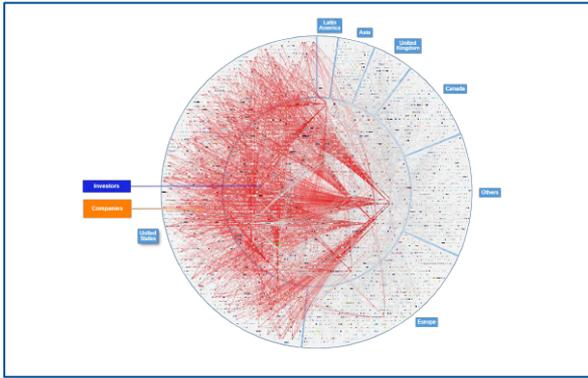
## Key Features:

- Unlimited number of compared companies
- Entities from all industries and markets
- On-demand analytics and due diligence for one or multiple companies
- Competitive comparison of hundreds of parameters in a matter of seconds

- **Automated Comparative Competitive SWOT AI-Driven Analysis is the core solution allowing to visualise the comparison of companies based on 170 unique parameters**
- **Based on unique logical frameworks developed over 9 years specifically designed for selected industries**

# Implemented Features

Features that are already implemented into Big Data Analytics Systems and Dashboards



**Automated Comparative Analysis**

**Automized SWOT and Competitive Analysis**

**Big Data Mindmaps**

**Investor Relationship Management Matching Tool**

**B2B Matching Tool**

**Matching Tool for Investors**

**Clinical Trials**

**Public Companies' Stock Price Forecasting**

**Financial Portfolio Constructor**

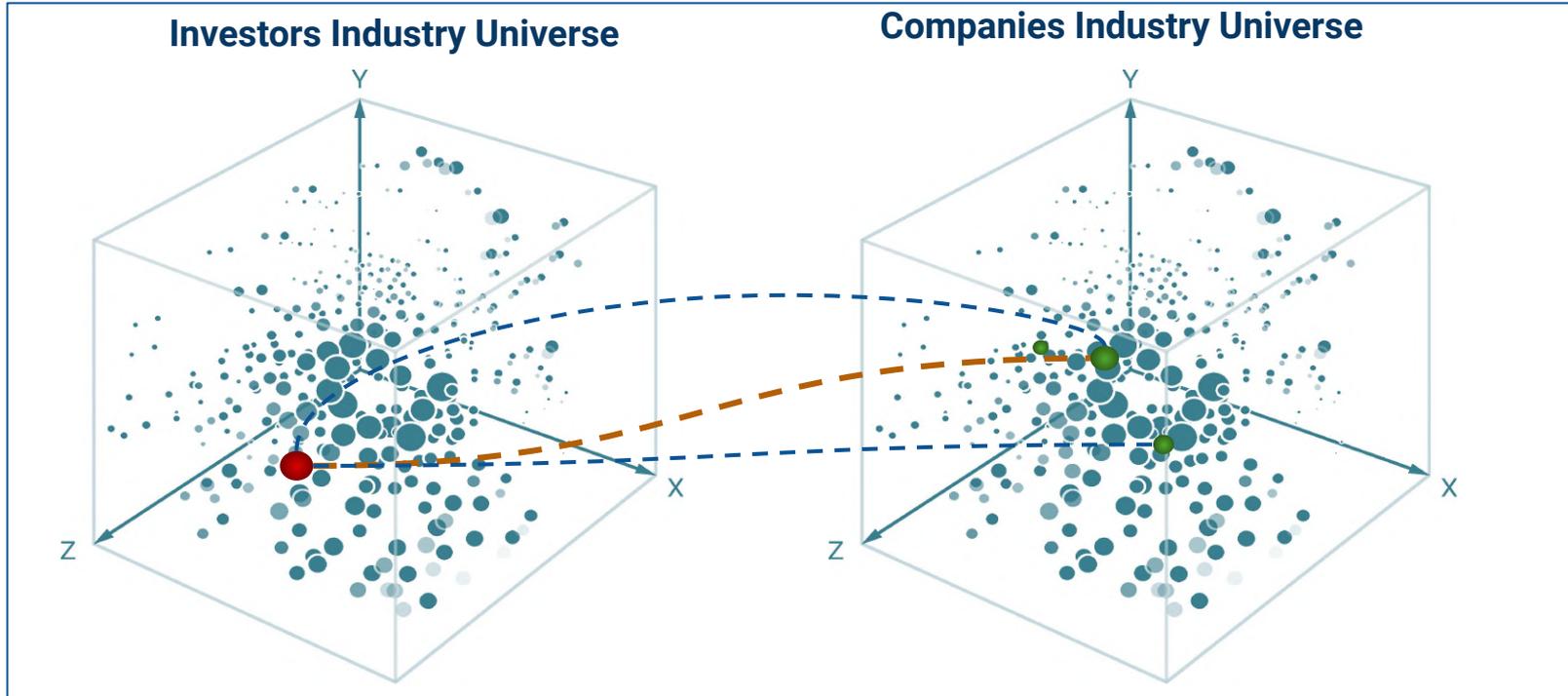
**GovTech Comparative Analysis**

**Special Case Studies and Regular Reports**

**Interactive Chart Builder**



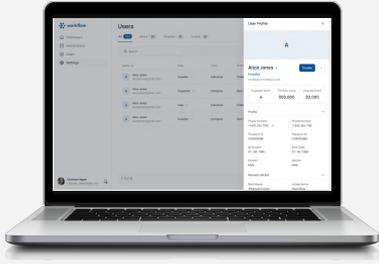
# Smart AI-Driven Matching Tool



Big data analytical system provides smart investment matching tool and competitive environment analysis feature through calculation of the distance between companies in parameter spaces and AI-driven automatized multiparametric companies clusterization via the implementation of unsupervised machine learning.

# Big Data Analytics Systems and Dashboards Integrations

## InvestTech Platform for Private Equity



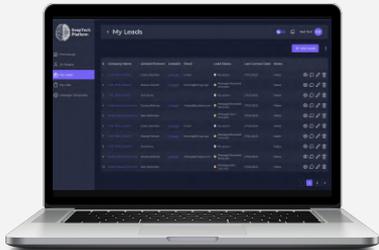
End-to-end LegalTech Solution for investors to deploy capital easily and startups to fundraise and keep on growing

## Thematic Stock Exchange



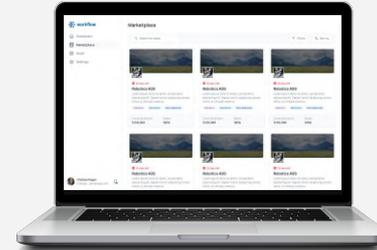
The new specialized stock exchange reinforcing the rapidly growing industry

## Investor Relationship Management System



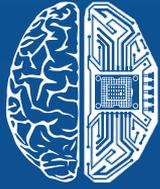
Integrated contact database, analytics, reporting tools, dashboards for investor relations

## IP Investment & Trading Platform



Specialized solutions for investors, startups and R&D organisations commercialising Intellectual Property

Big Data Analytics Systems and Dashboards



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# InvestTech Platform for Private Equity

[www.dkv.global](http://www.dkv.global)

[www.dkv.global/gcc](http://www.dkv.global/gcc)

# InvestTech Platform

Deep Knowledge Group aims to remove existing barriers to investing in private equity markets and to add value for all stakeholders with its **InvestTech Platform**. This end-to-end solution allows investors to deploy capital quickly in an efficient, timely manner enabling startups to raise funds and keep growing. Innovative LegalTech tools and e-documentation provide a clear, step-by-step investment process which is enhanced by additional service integrations such as investment and financial analytics, specialized CRM and corporate payment solutions.

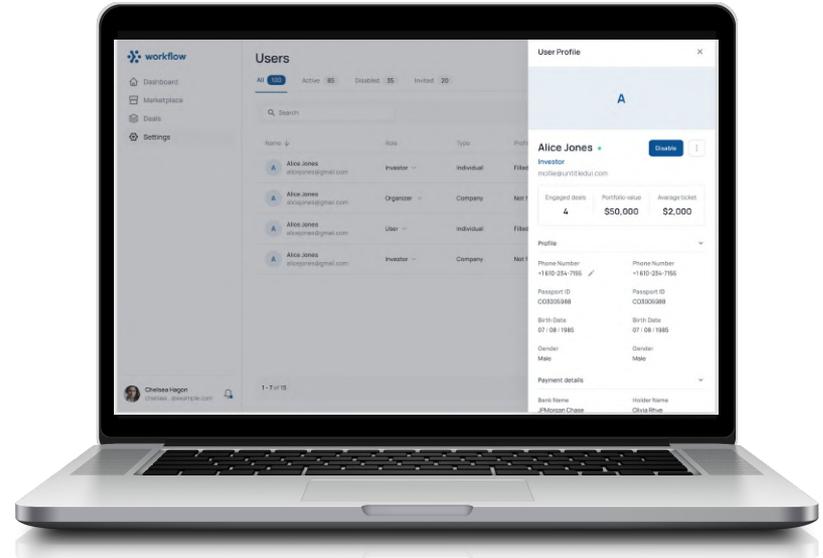
## InvestTech Platform Ecosystem

End-to-end LegalTech IT-based System

Full Scope of Investment Transactions  
for Private Equity Markets

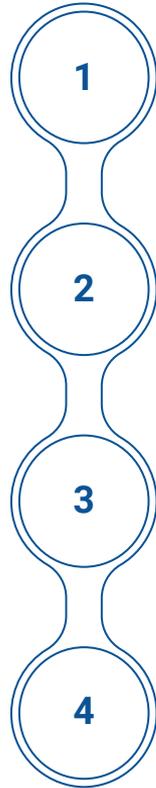
Intellectual Property  
Investment & Trading Platform

Extra Mile Service Integrations



[www.invest-platform.tech](http://www.invest-platform.tech)

# The Problem - Liquidity Gap



1 The current business model of venture capital funds does not support investments in DeepTech and Longevity startups in a most efficient manner

2 Gap between progress in science and technology, and the lack of investments from large financial institutions

3 Gaps and disruptions in the global financial system, disproportions in regulatory hurdles in different regions

4 Longevity startups are limited to fundraising from Angel syndicates and VC investors, not efficient enough methods of investor relations

# The Solution - Bridge the Liquidity Gap



1 **End-to-end InvestTech Platform offering multiple modern technological and organizational solutions to optimize investors relations**

2 **Special Purpose Vehicles (SPVs), optimized syndication of investment rounds, escrow accounts**

3 **AI-driven tools for matching startups and investors, automatized SWOT analysis**

4 **Intellectual property investment, trading and M&A platform**

# InvestTech Platform Key Features

## End-to-end Digital Solution for Private Equity Markets

Clear and Transparent Investment Process

Mitigation of Compliance Risks

Investing on a Deal-by-Deal Basis

Enhanced Risk Management

In-Depth Performance Analysis

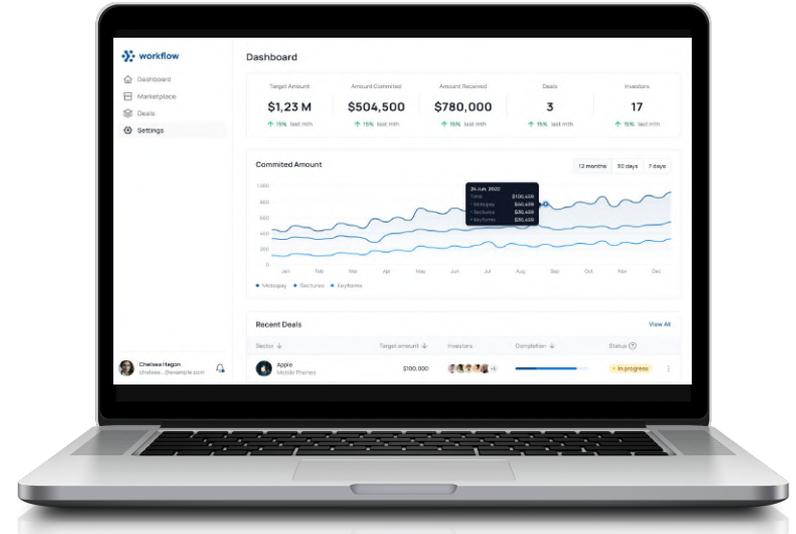
Alignment with Initial Investment Vision

Tailored to the Needs of Investors

Suitable for Family Offices and Angel Syndicates

## Comprehensive Investment Infrastructure

- State-of-the-Art IT Platform
- Automated Processes
- Legal coverage, Document Templates



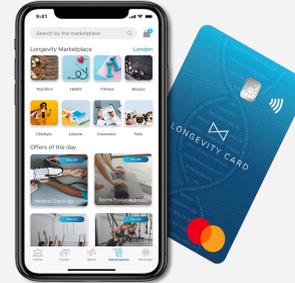
# InvestTech Platform Integrations

## Big Data Analytics System and Dashboards



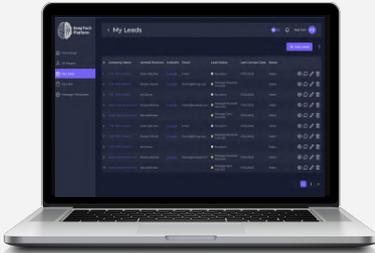
AI-driven Big Data analytics system providing market intelligence

## Longevity Card



Corporate bank accounts integrated with Longevity marketplace

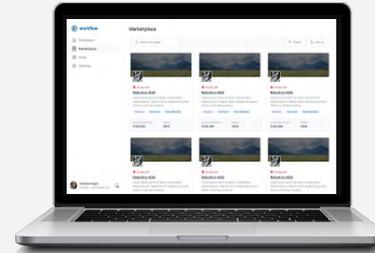
## Investor Relationship Management System



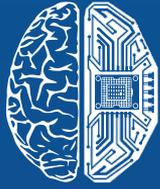
Integrated contact database and specialised CRM for investor relations

## InvestTech Platform

## IP Investment & Trading Platform



Specialised solutions for investors, startups and R&D organisations to commercialise Intellectual Property



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# Longevity Banking Card

[www.dkv.global](http://www.dkv.global)

[www.dkv.global/gcc](http://www.dkv.global/gcc)

# Longevity Club

**Longevity Club Card** is a pass to access a unique ecosystem of numerous Longevity services. The membership of the Longevity Club allows discovering **cutting-edge products promoting an extended healthspan** available to a very limited number of people. Our Members will have the unique opportunity to choose **between a Membership Card, Banking Card with the full suite of features, products, and exclusive discounts.**



Longevity Banking Card



Longevity Club Membership Card

# Longevity Cards Overview

## Longevity Club Members Clients Have:

1

Access to a **highly diverse marketplace of products and services** across the entire scope of Longevity, Wellness and Healthy Living (all the way from healthspan to wealthspan).

2

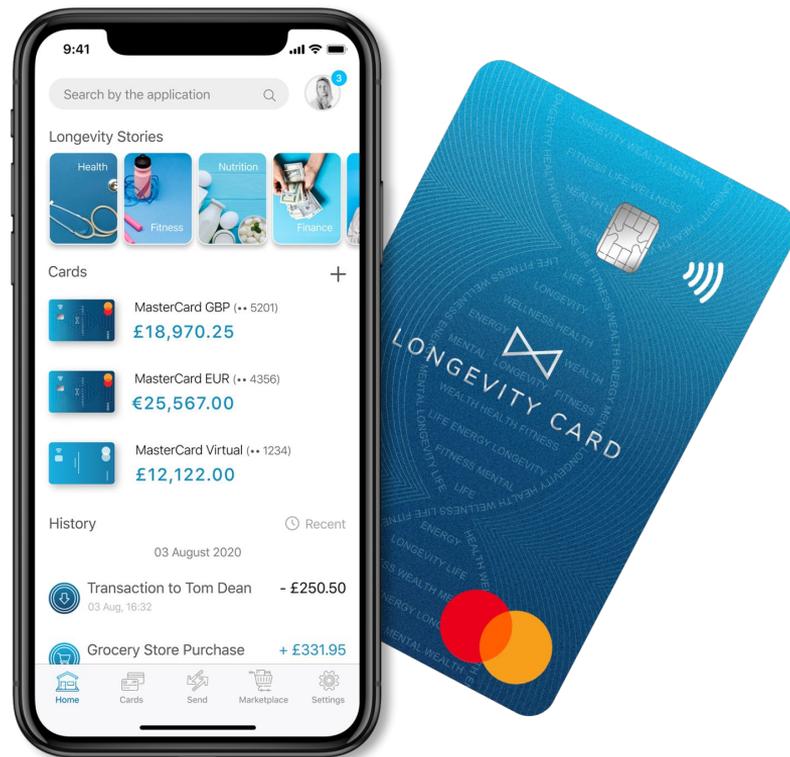
**Discounts** on Marketplace purchases obtainable through Longevity Reward Points that are generated every time they use their Longevity Card.

3

**Targeted real-time recommendations** on local and global products and service providers best-suited to help achieve and surpass their current Longevity Goals.

4

**AI-driven personalized health recommendations** and suggestions, based on biomarker analysis, the results of a comprehensive diagnosis of the client's health status, on how to promote and maintain a healthy lifestyle and slow ageing.



# Deep Knowledge Group Activities in Gulf Region Summary

## Gulf Region Tech Industry Big Data Analytics System and Dashboard

White-label solution for market intelligence in tech industries, embodying the best practices and most sophisticated approaches pre-validated and developed by Deep Knowledge Group.

## Longevity Banking Card

Solution integrating neobank and a healthy lifestyle mobile application allowing to enjoy healthy lifestyle with whole range of longevity products and services in banking app.

## InvestTech Platform for Private Equity

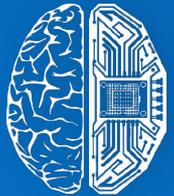
One-stop-shop solution allowing private investors to invest capital quickly and in an efficient manner and enabling startups to raise funds and keep growing.

## Gulf Region Longevity Hub Initiative

Unite the resources of several Gulf countries towards the shared goal of concerted Longevity Industrialization.

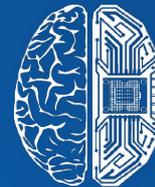


**Major Initiated  
Projects**



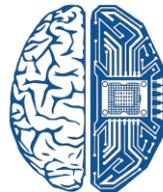
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ANALYTICS**

[www.dka.global](http://www.dka.global)



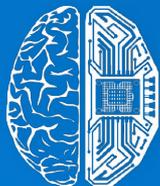
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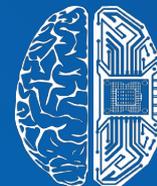
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