

# Business Intelligence AI-Driven Big Data Analytics System and Dashboard

## Automated Business Development and Investor Relations Constructors

*End-to-End  
White Label Solution*

# Executive Summary

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[Deep Knowledge Group](#) (DKG) is a consortium of commercial and nonprofit organizations active on multiple 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. Its unique approach lies in combining ecosystemic financial innovations with sophisticated AI and Data Science technology development for DeepTech Industry analysis, benchmarking and forecasting.

Having been committed since 2014 to the corporate thesis of DeepTech for social impact, techno-ethical business for social good, and the continual reinvestment of profits into the expansion of our core Data Science, AI and analytics assets and the refinement of our financial-ecosystemic development projects, we are **uniquely in possession** of extremely **sophisticated technologies and systems** for Frontier Science/Technology and complex industry-focused **advanced business intelligence**, deep comparative and competitive **market and technology analytics**, **operational environment mapping** and **automated business development, engagement and investor relations**.

We have recently consolidated a number of these proprietary systems into a **single unified end-to-end White Label Solution** capable of customised, comprehensive corporate strategy optimization and defence, semi-automated AI-driven business development, investor relations, partnership and client acquisition and corporate growth, competitive intelligence, operational environment monitoring and analytics. In its full scope, the system gives its users a **guaranteed systemic asymmetric advantage** over their operational environment peers and competitors.

## Condensed System Summary:

***Sophisticated end-to-end White Label Solution for corporate operational environment analysis, monitoring, competitive and market intelligence, automated business development and investor relations: the N1 technologically sophisticated data-driven AI-augmented solution for corporate defence, development, and management in the 21st century.***

# Providing a Digital, Virtual and AI Army at the Client's Control and Command

Customizable workspace and environment giving users a **Satellite View** of their Operational Environment

Provides asymmetric unfair advantages over peers by magnifying operational environment awareness

Augmented (Human + AI) Corporate Intelligence: The Future of Business Doesn't Exist Without AI

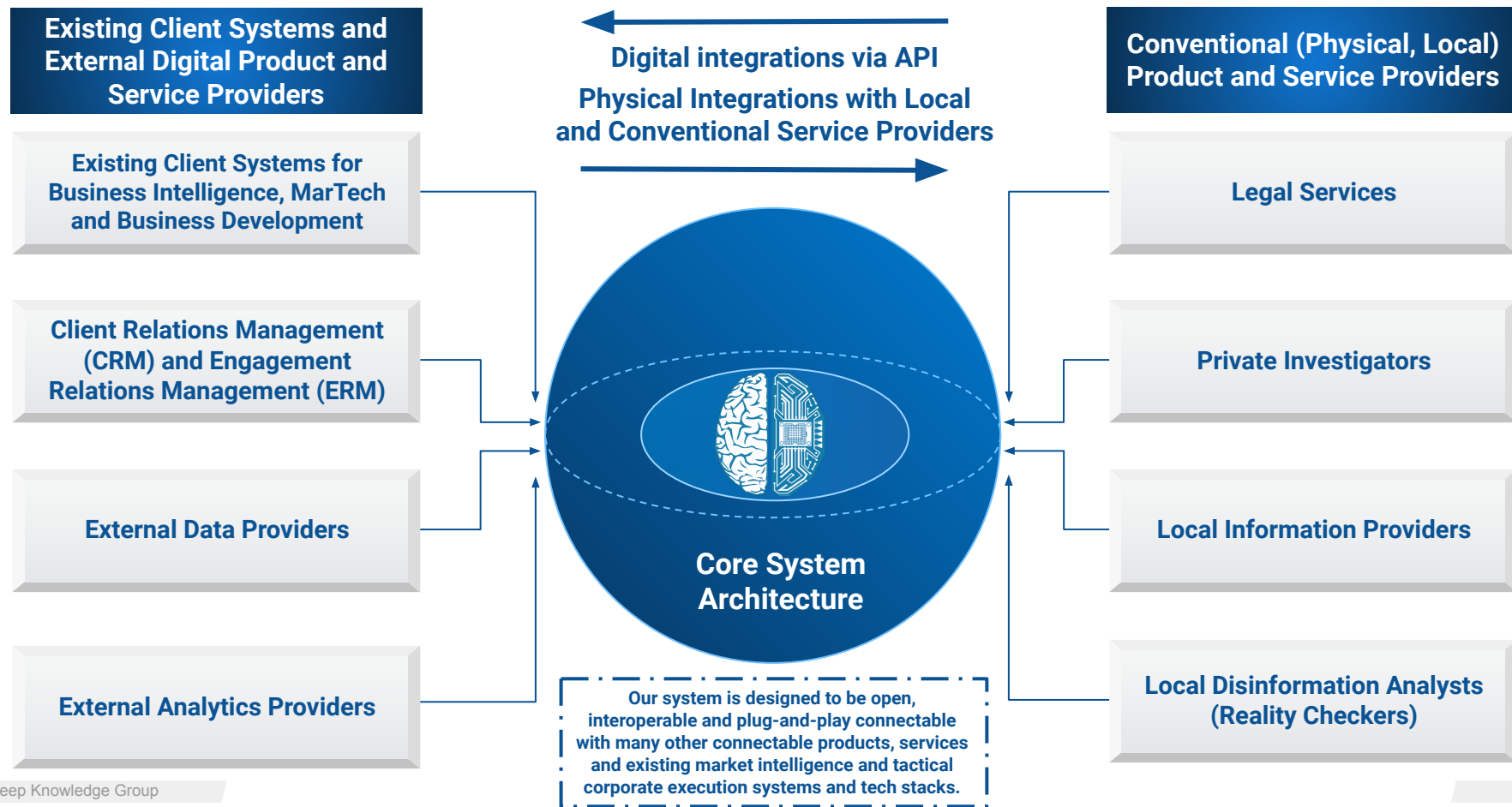
Plug and Play Integrability with Tactically Required Local Resources (Physical and Digital Services)

Product Available End-to-End and in Numerous Thematic Editions (BI, IR, BizDev, Headhunting)

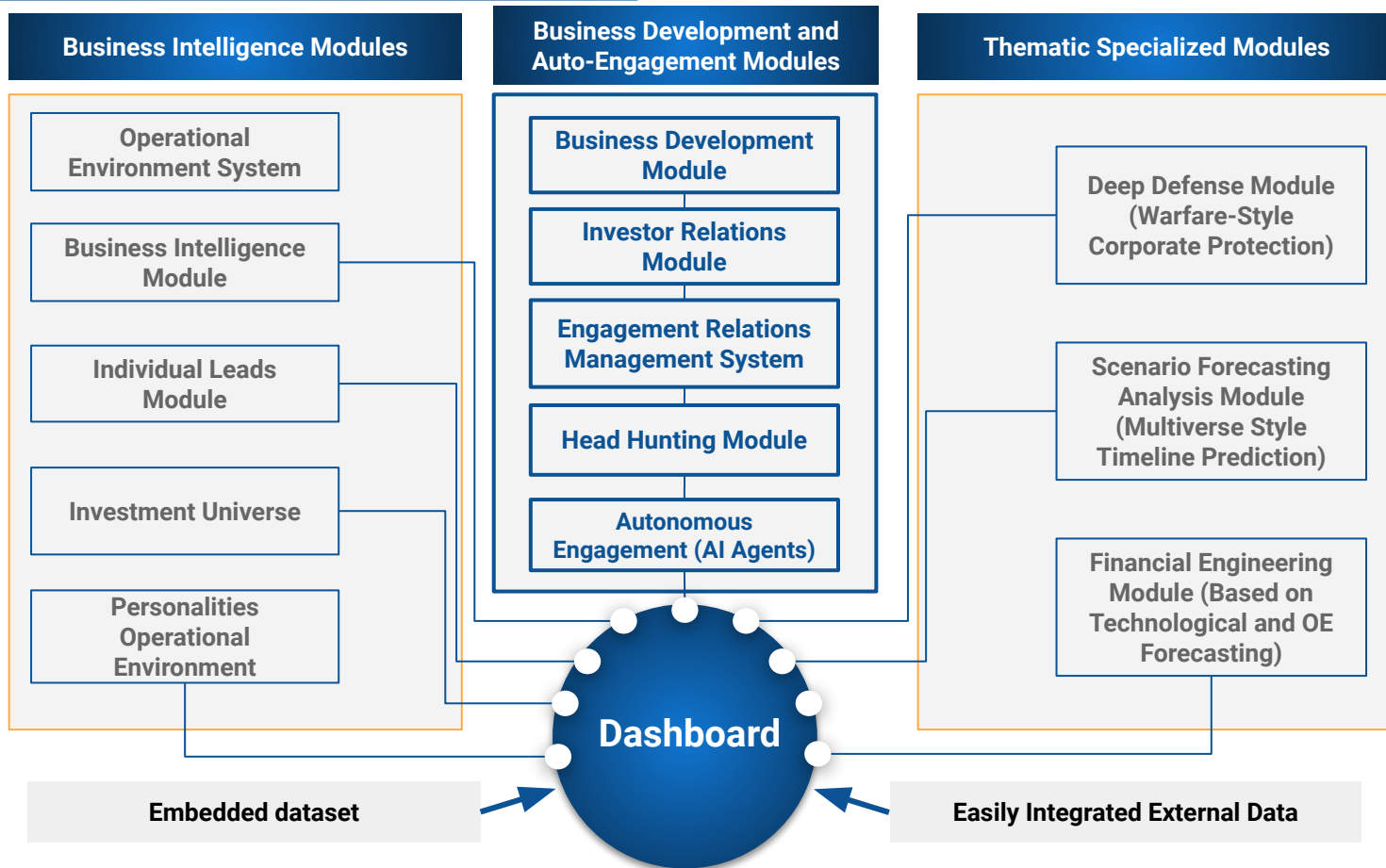
Giving users an unfair, guaranteed asymmetric advantage over peers via total operational awareness



# Plug-and-Play Interoperability with External Systems

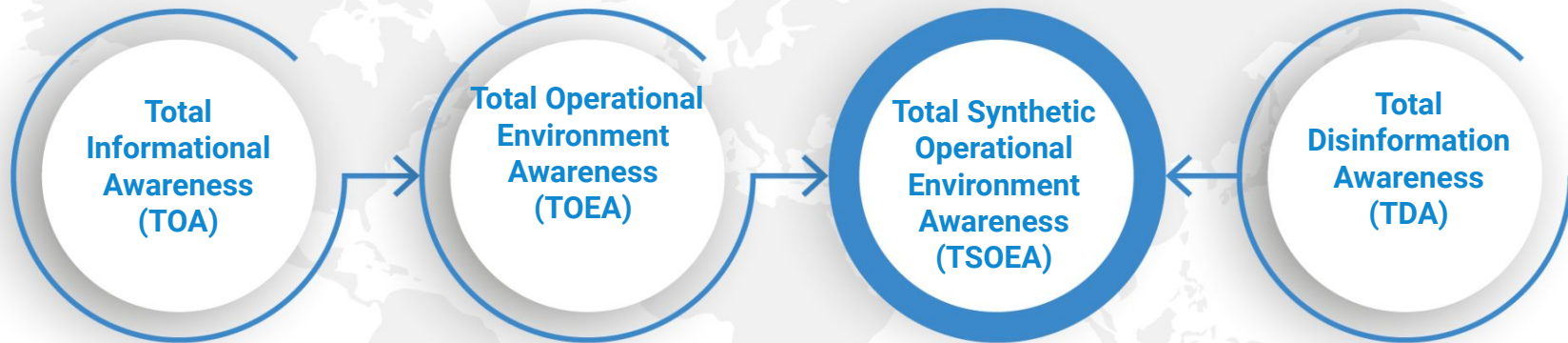


# End-to-End White Label Solution Architecture



# Guaranteed Supremacy via Satellite View of Your Operational Environment

**Design Philosophy of "A New Kind of NeuroTech" - Virtual Exoskeleton to Extend Client's Tactical Reach and Scale, Hybrid Intelligence to Magnify Total Informational and Disinformational Awareness of User's Operational Environment and Competitive Universe, and a Dedicated Digital Army to Augment Corporate Decision Maker's Mental and Mechanical Tactical Power**



**$TSOAE$  (Total Synthetic Operational Environment Awareness) =  $TOA$  (Total Informational Awareness) +  $TOAE$  (Total Operational Environment Awareness) +  $TDA$  (Total Disinformation Awareness)**

Through increasingly realistic levels of emulation (increasing data depth and number of modelled parameters), we provide total awareness of the client's operational environment, and distinguishes between different types of awareness including informational, disinformational operational environment, synthetic operational environment awareness.

# Multi-Layered Construction of End-to-End Operational Environment Emulation



Hybrid Solution  
(Humans +  
AI Co-Pilots)

Digital Twin: Total  
Informational Awareness

Multidirectional Time Machines

3D MDVS Visualization + Emulation

MDVS Establishment + Expansion

Human Augmented Intelligence

Big Data Visualization

Big Data Analytical System

Database Creation

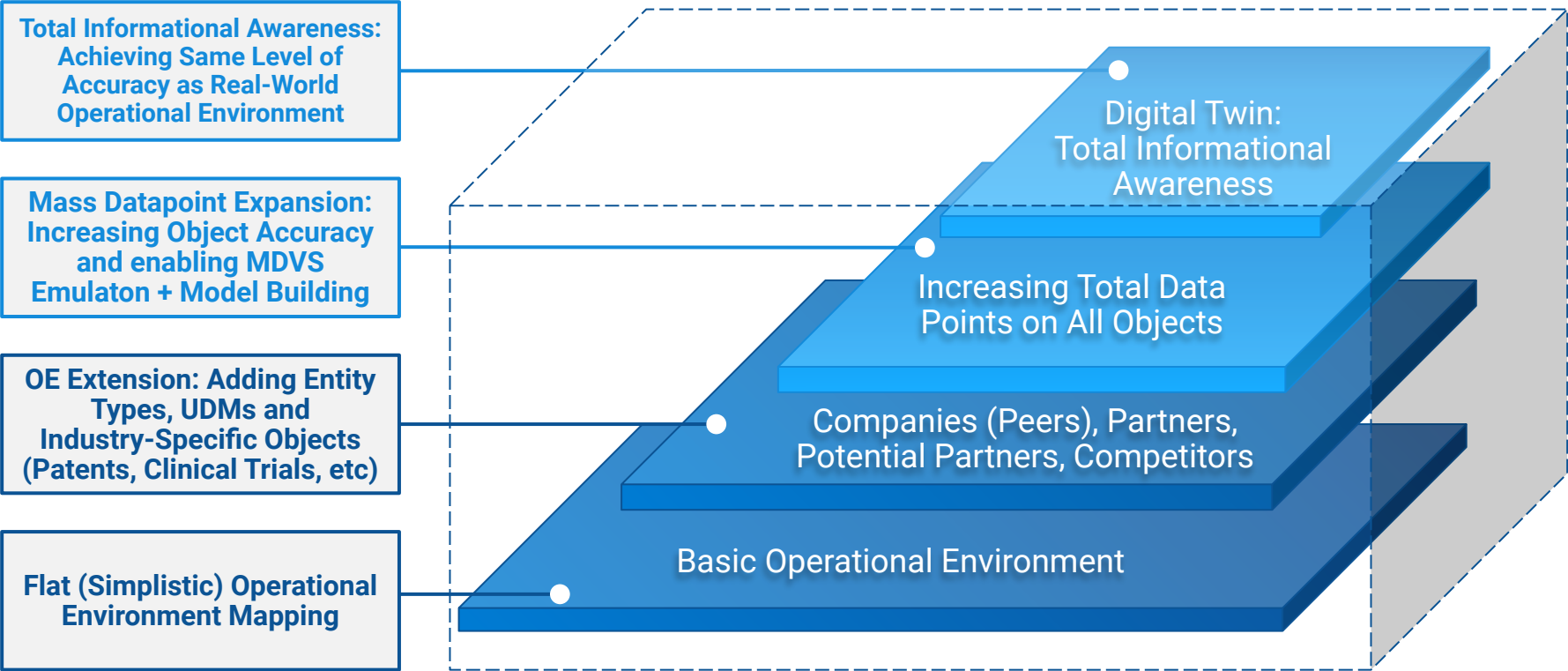
Pattern  
Identification (ML)  
and Scenario  
Analysis (GenAI)

Full-Accuracy Multi  
Vectoral Mathematical  
Emulation of  
Operational Universe

*in silico* Model  
Building and  
Forward-Backward  
Propagation

Layered construction and systemic expansion towards 1:1 emulation accuracy (OE Digital Twin and Total Informational Awareness)

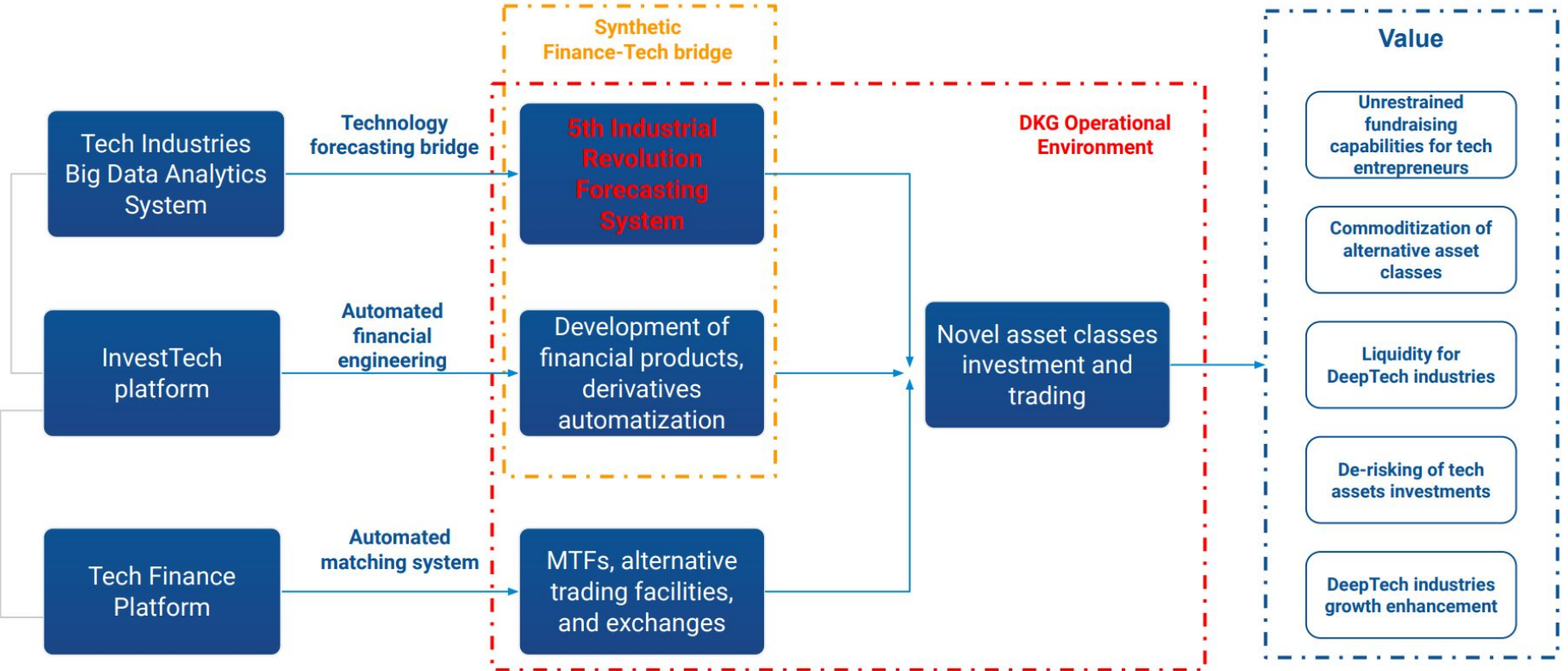
# AI-driven Big Data Analytics System IT Architecture



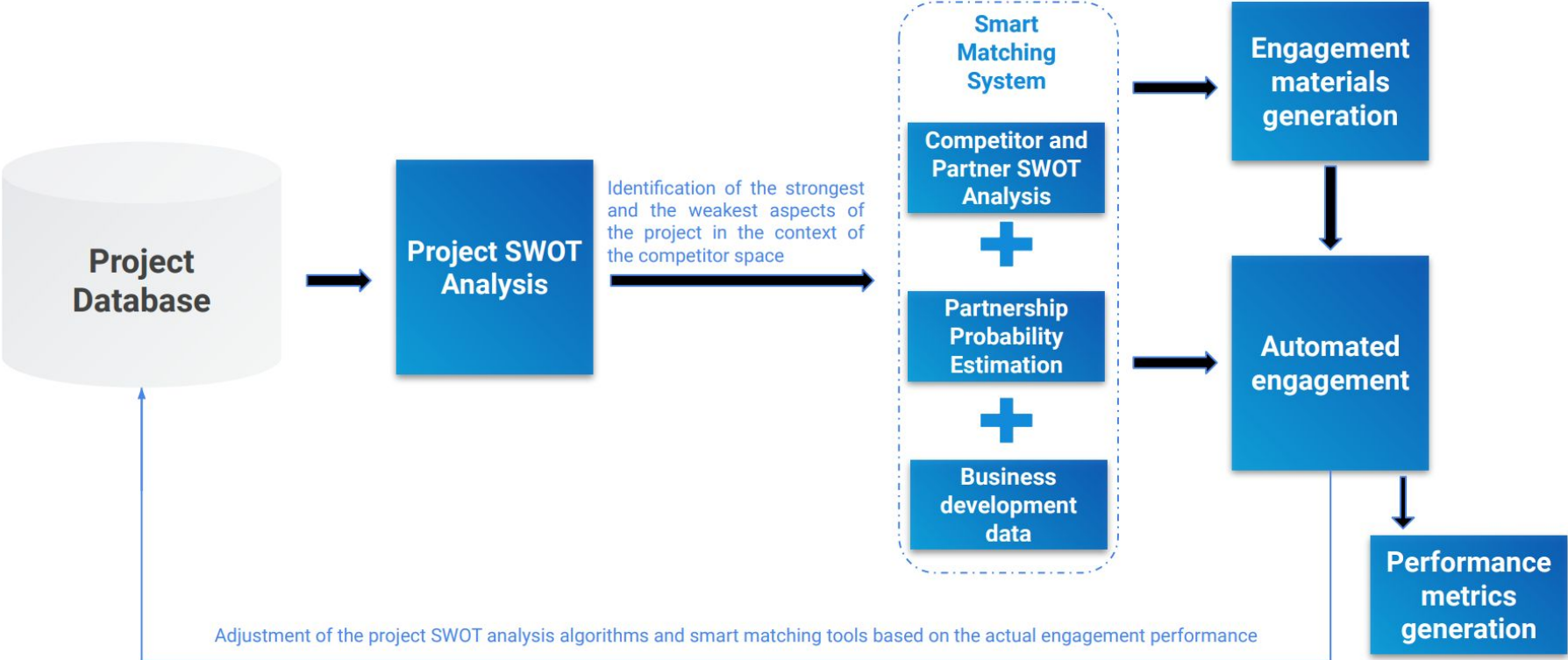


# AI-driven Synthetic Meta Analytical System with Strong Forecasting Engine

Resulting AI-driven Synthetic MetaSystem will be a combination of Big Data Analytics System (including 4th and 5th industrial revolutions), InvestTech Platform, Tech Finance Platform, and DKG Operational Environment.



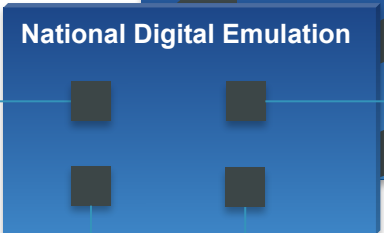
# Operational Environment and Smart Matching System Pipeline



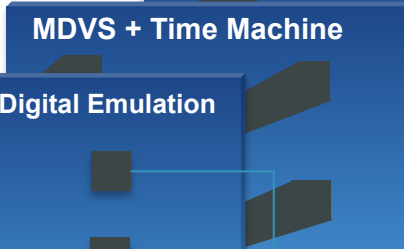
# Evolution of DKG Analytics and Forecasting Assets into Digital Twin Emulation Tech

Hybrid Solution  
(Humans +  
AI Co-Pilots)

National Digital Emulation



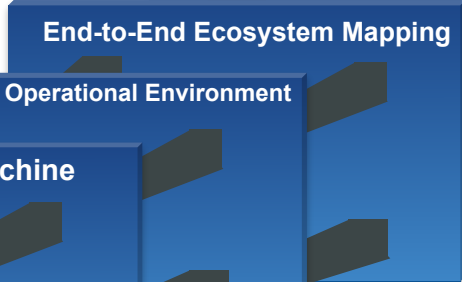
MDVS + Time Machine



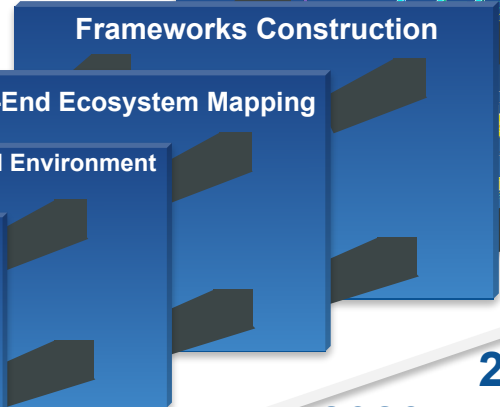
Synthetic Operational Environment



End-to-End Ecosystem Mapping



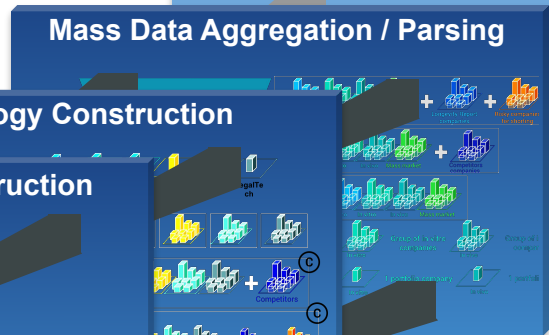
Frameworks Construction



Ontology Construction



Mass Data Aggregation / Parsing



Preliminary Analytical Research



Pattern Identification (ML) and Scenario Analysis (GenAI)

Structured Negative Recommendations (Preemptive Deep Defense)

Structured Positive Recommendations (SMS)

Multilayer systems - using the same approaches for different industries provides rapid development

2014

2023

2023

2023

2023

2024

2025



# Deep Defense Intelligence (D<sup>2</sup>I)

Most Advanced Investment Analytics and Business Intelligence System Tailored to Needs of Client

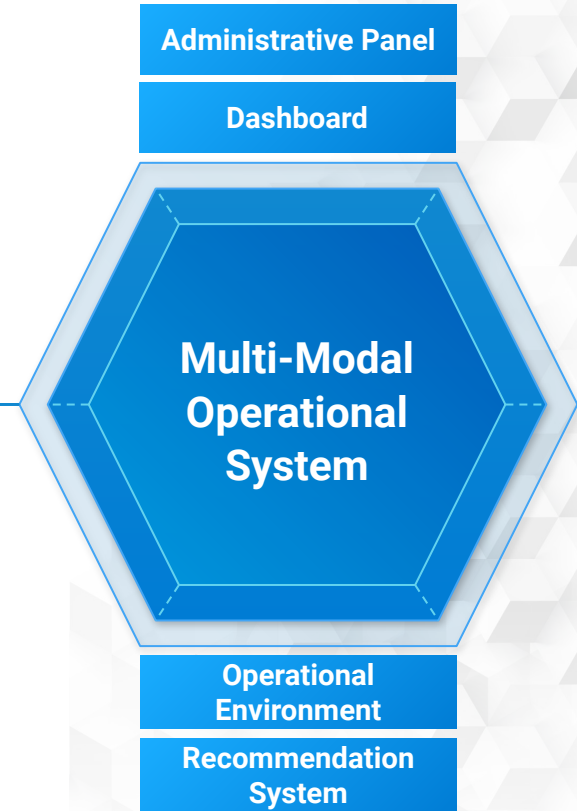
End-to-End Corporate Warfare and Defense Tech Stack: Black and White PR, Risk Profile SWOT, Continual Threats Monitoring

Applying Military and National Intelligence Tactics, Protocols and Psychology to Corporate Risk Assessment and Mitigation

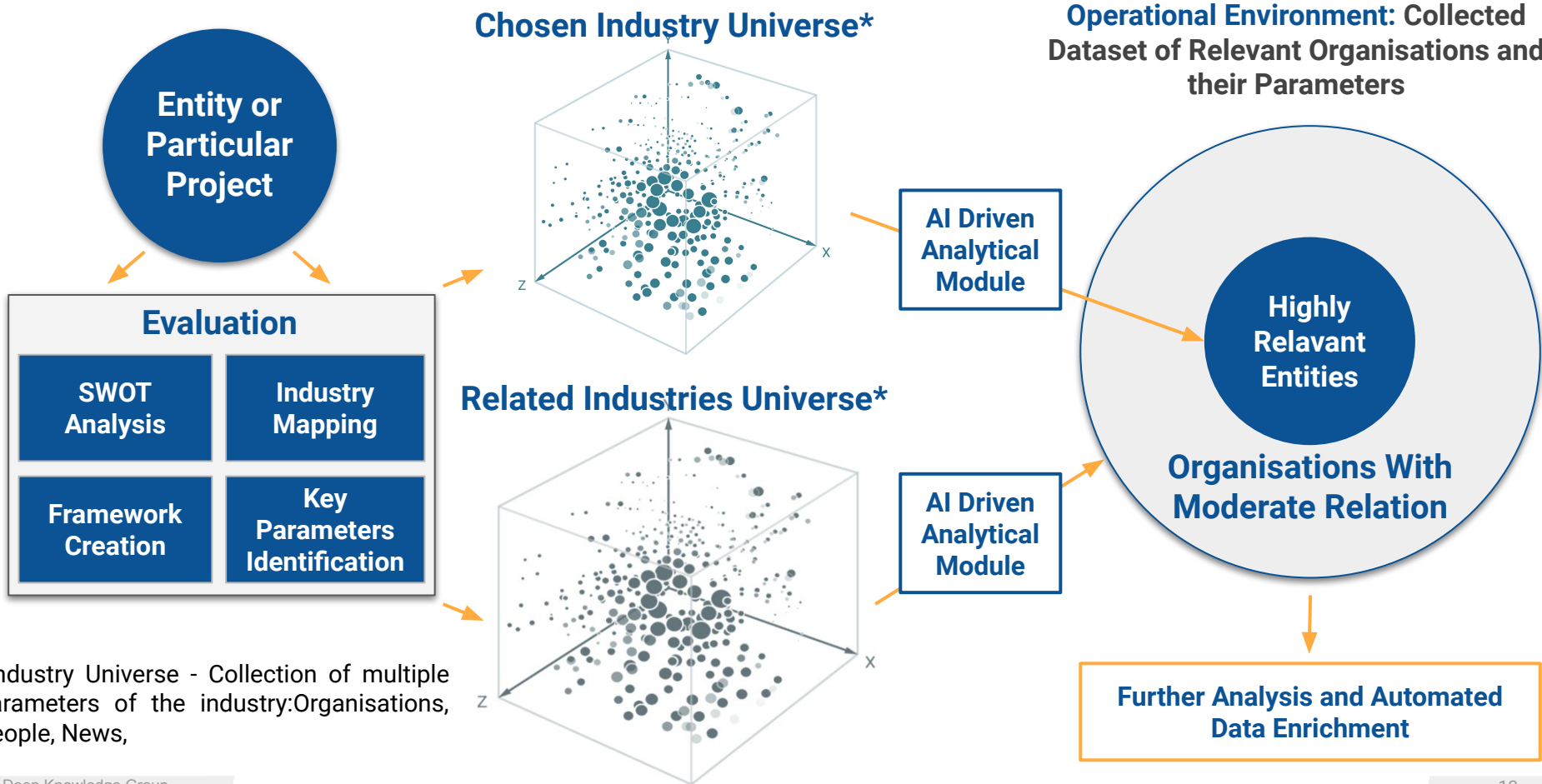
Deep SWOT, Analysis, Profiling and Smart-Matching for Business and Investment Transactions and Partnerships

Operational Environment and Investment Universe Visualization, OSINT, Scenario Analysis, Risk Analysis Matrix

Analysis and Identification of Underperforming and Overvalued Companies (targets for short and long financial derivatives)



# Operational Environment Establishment



\*Industry Universe - Collection of multiple parameters of the industry: Organisations, People, News,

# Operational Environment Driven Dashboard



## Core Dashboard Components

<b>Analytical Module</b>	Enhanced vector analysis for correlations and industry Insights
<b>Mapping Module</b>	Toolset for connections and relations assessment between entities
<b>IP Tracking Module</b>	Tracking of IP updates such as Patents, clinical trials, trademarks
<b>Data Room</b>	Related data storage filled with basic datasets and reports
<b>Visualisation Block</b>	Array of visualisation tools for adaptive industry overview

Individual Emails Sending and Receiving

Message Templates Insertion Into Emails and Management

Arrangement of Google Meet Invites

Light Theme

Import/Export of Contact Lists

Real-Time Notifications

Lead Management

List Management

Cloud Base

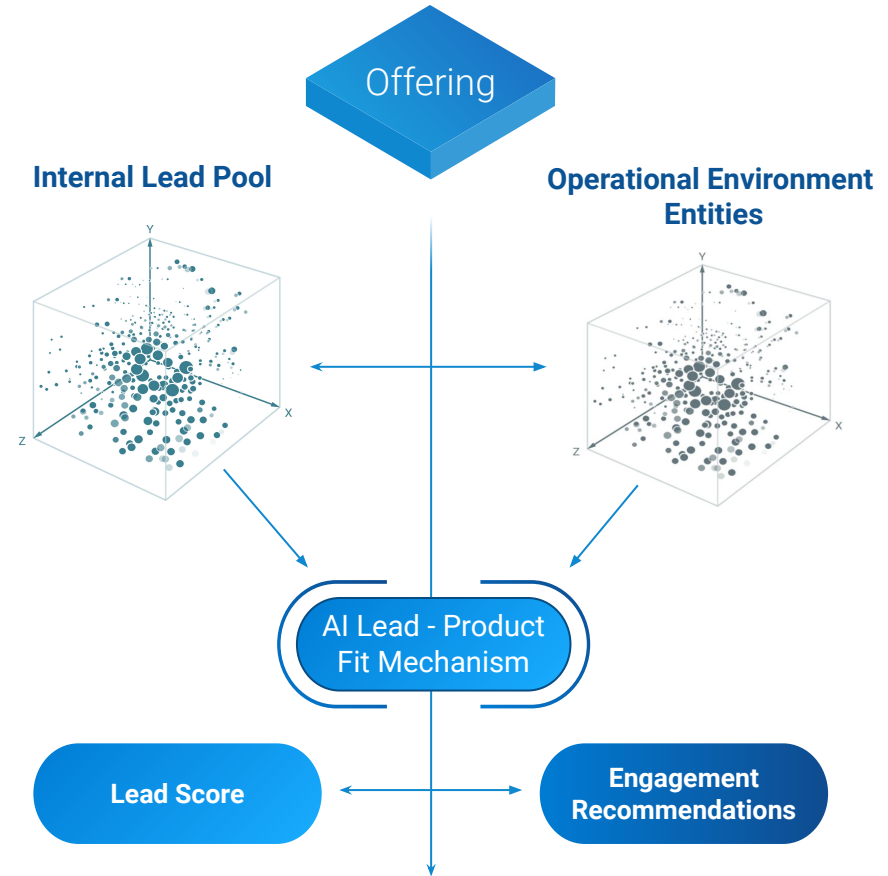
Email Templates

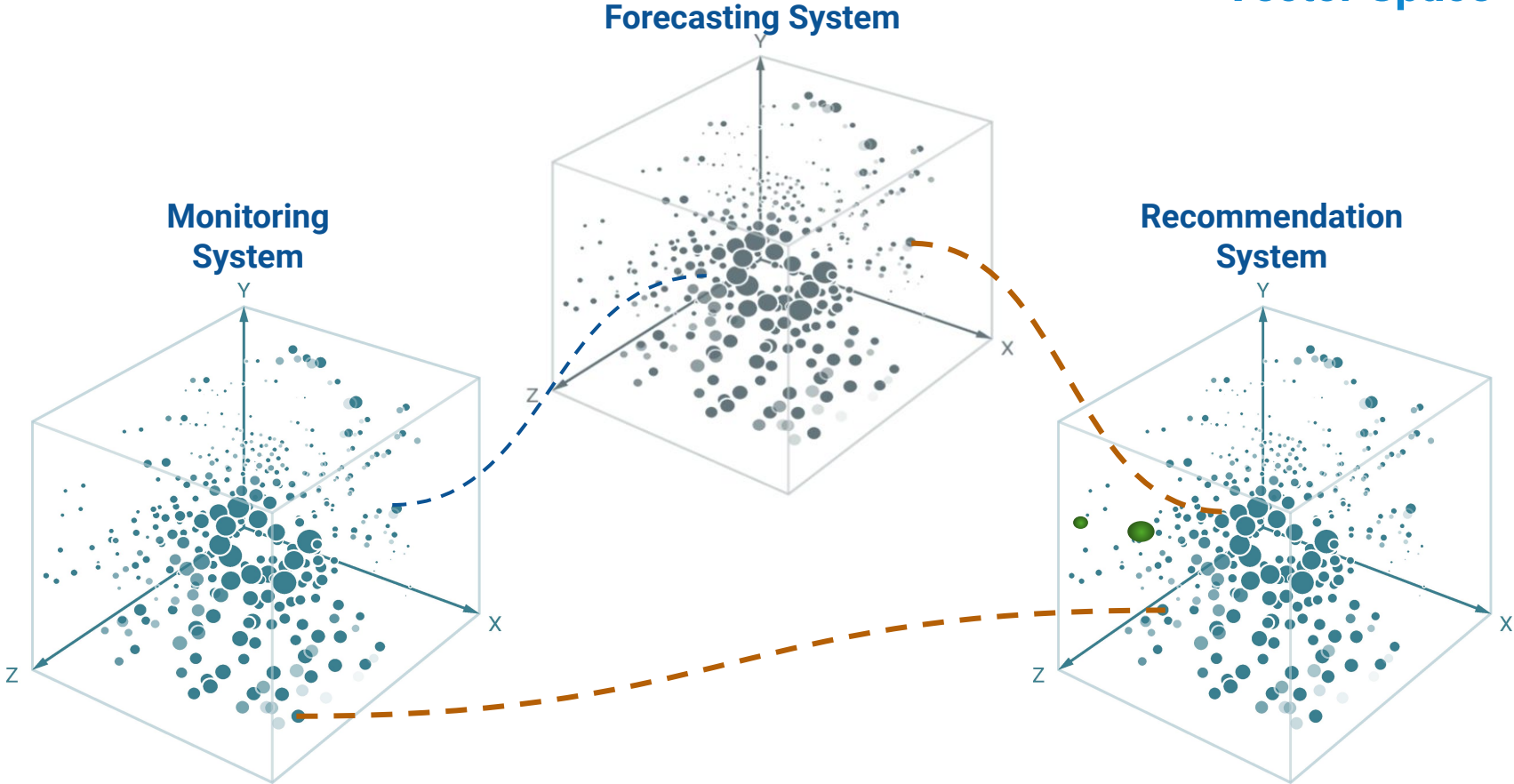
# Automated Business Development Dashboard



## Automated BizDev Dashboard Components

<b>Analytical Module</b>	Enhanced vector analysis to identify potential partners, clients, investors
<b>Smart Matching System</b>	AI-driven matching of company project with targeted leads for engagement
<b>Autonomous Engagement via AI Agents and Avatars</b>	Automated engagement via autonomous AI agents using digital avatars of company decision makers
<b>Recursive Feedback for Continual Development</b>	System operates continuously to drive business development in real-time

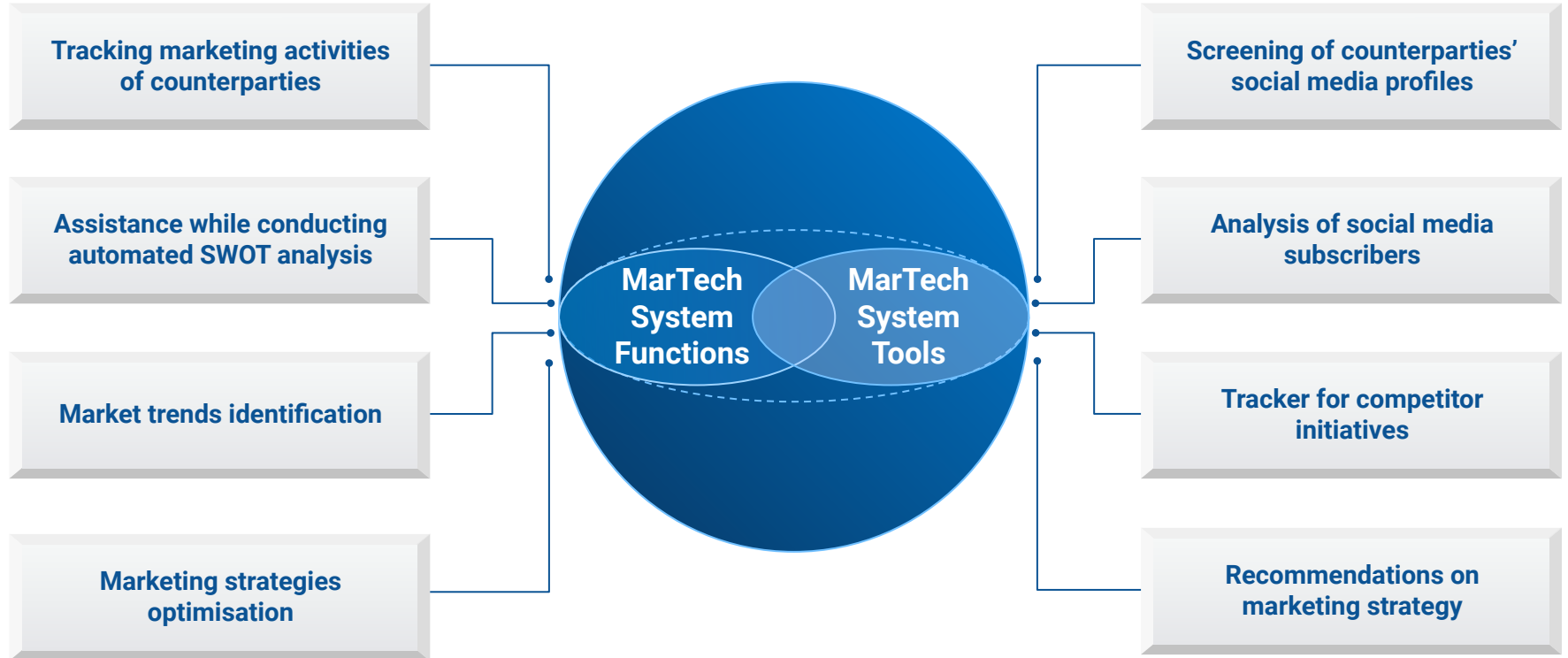




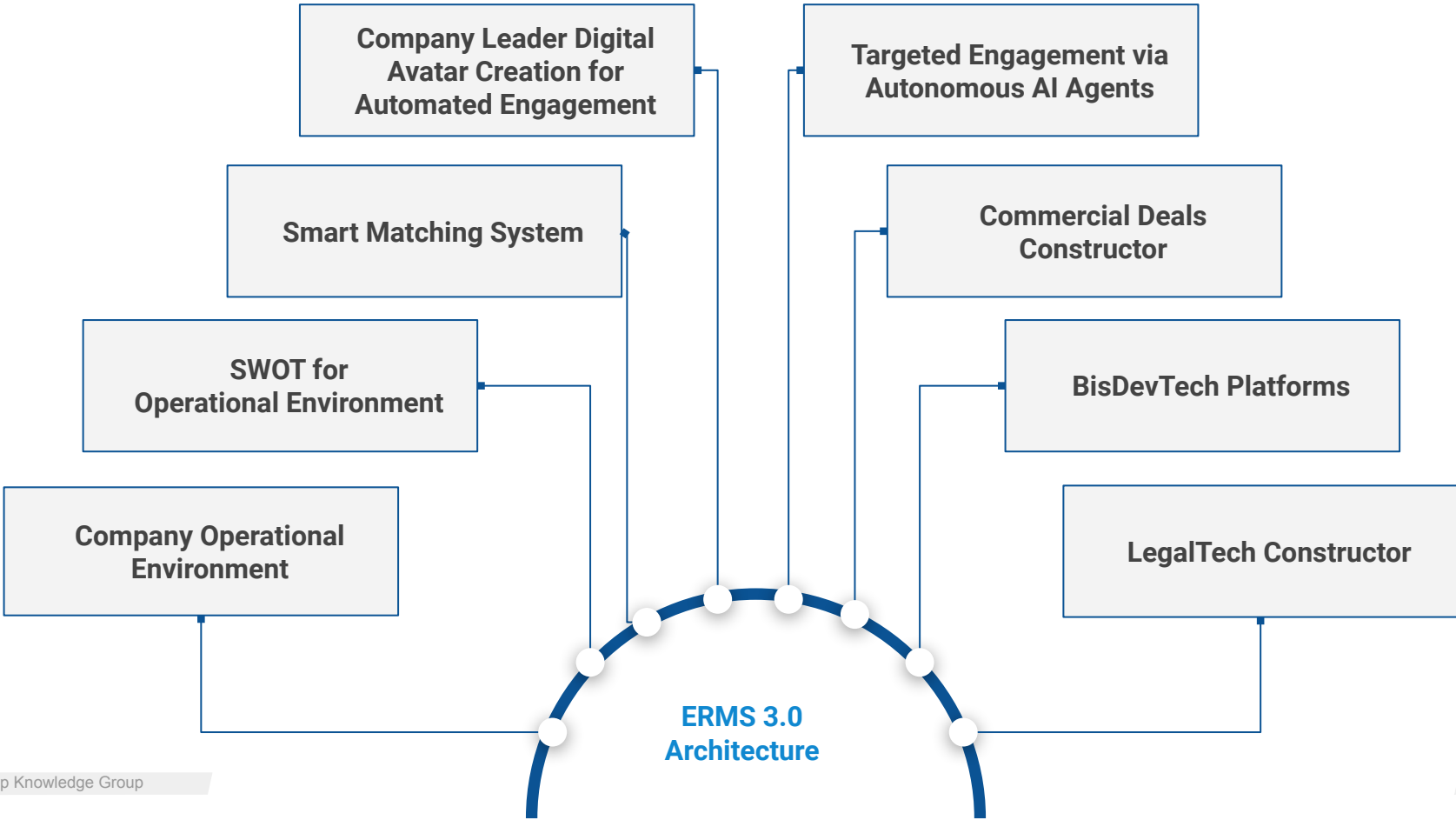


# Integration with the MarTech System

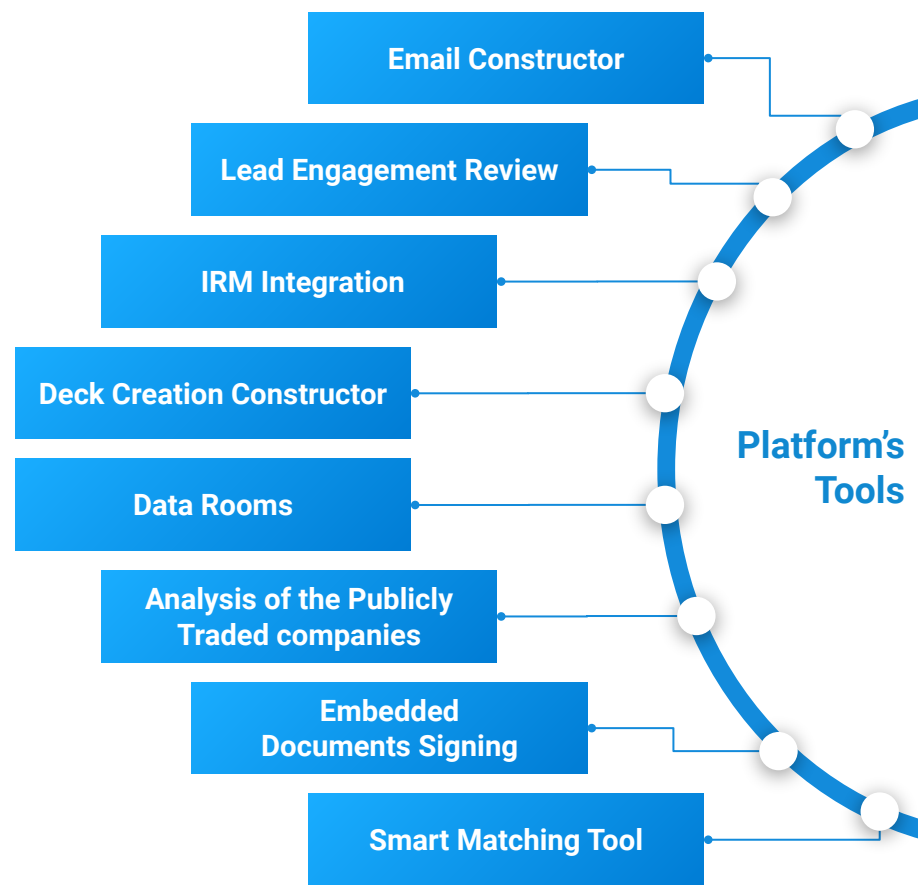
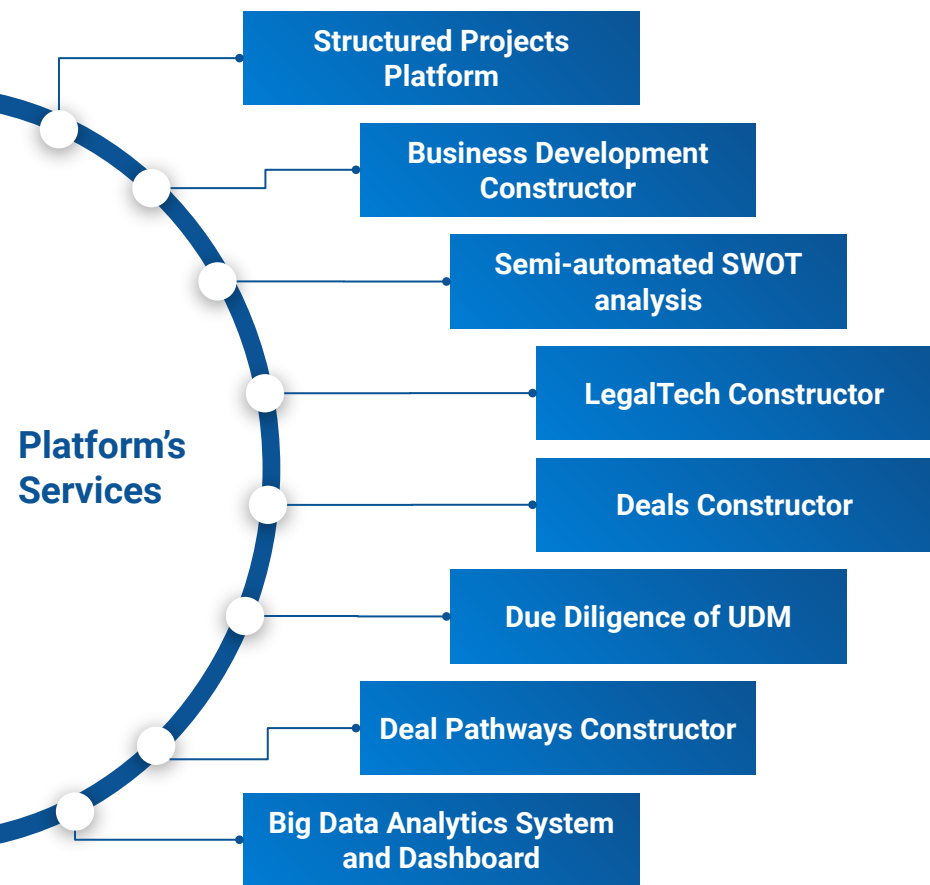
Access to the **MarTech System**, a set of IT solutions that combine the technological tools for marketing analysis. This solution should also benefit start-ups and investors who will use the IRM System to grow their client base.



# Engagement Relations Management System (ERMS) Admin Panel



# Automized BizDev Platform Services and Tools



# ERMS 3.0 Key Features

## End-to-end Engagement Relations Management

Clear and Transparent  
Business Development  
Process

Visual representation of  
commercial interaction

Data driven decision  
making

Smart Matching System

In-Depth Performance  
Analysis

Data driven  
SWOT analysis

Tailored to the  
Needs of Enterprises

Suitable for  
Startups and SMEs

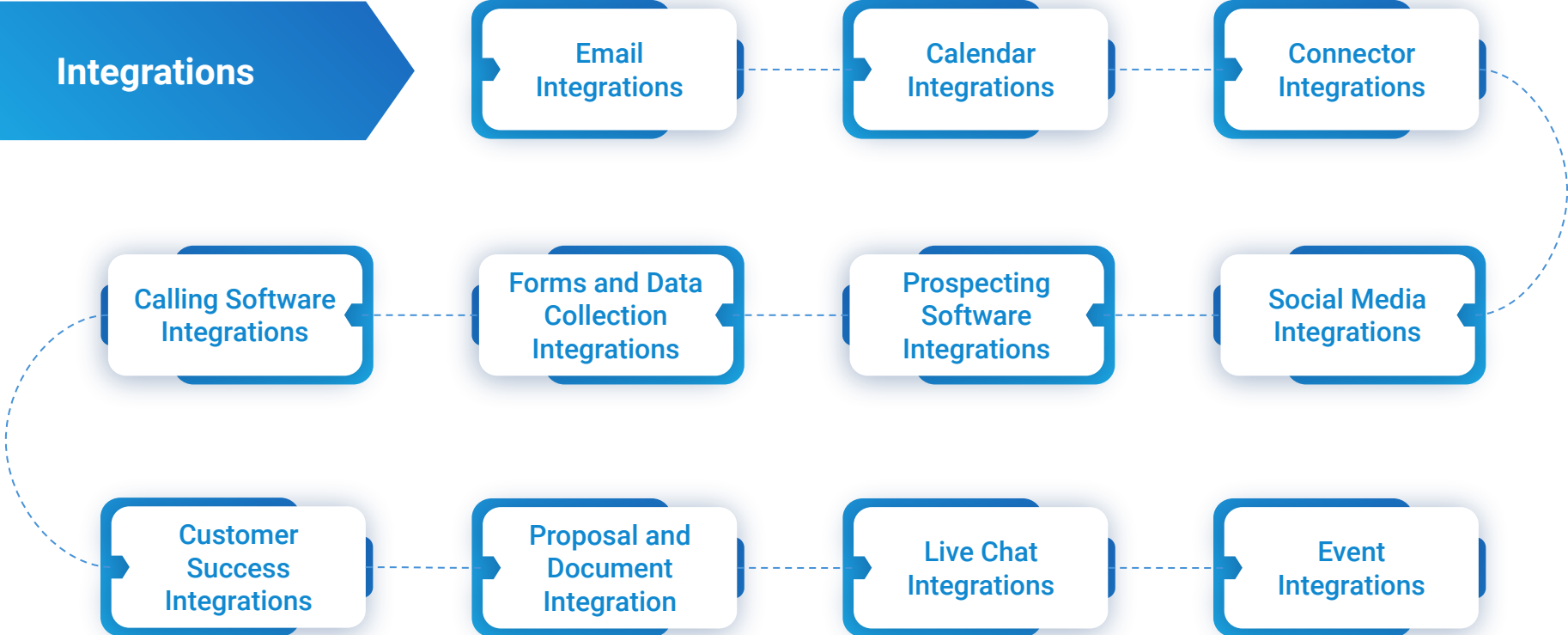
## Comprehensive BisDevTech Infrastructure

- State-of-the-Art Business Development Platform
- Automated Processes
- AI-driven recommendation system



# CRM Integration for Dealflow Structuring

CRM integration is the seamless connectivity between customer relationship management (CRM) and investor relationship management (IRM) software, as well as third-party applications. Integrations result in automated actions that expand software functionality, eliminating the need to toggle back and forth between systems.



# AI-driven Matching Tool

## For Companies

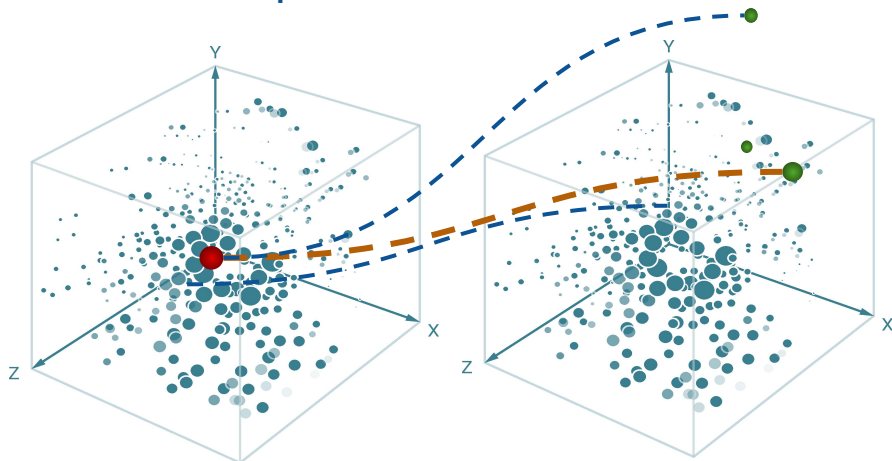
Based on algorithmic multiparametric analysis of the client and investor profiles, the AI-driven Matching Tool can within seconds match start-ups seeking to raise money with several hundreds of the most relevant potential clients and investors from a pool of several tens of thousands.

## For Investors

Based on investors' preferences, the AI-driven Matching Tool can recommend the most relevant companies that can serve as potential investment targets for them, and immediately provide automated SWOT and comparative analysis.

Universe of Companies

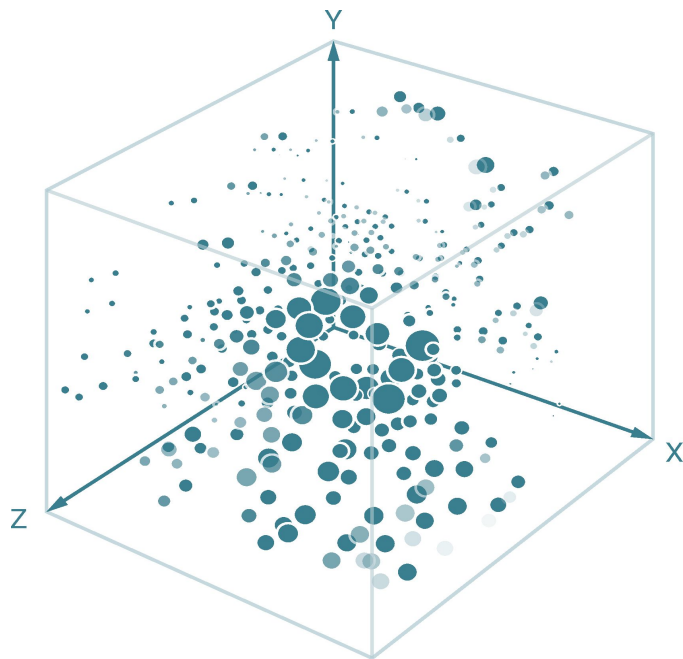
Universe of Investors



**Indirect matching approaches** based on deep learning and reinforcement learning to identify hidden patterns and connections are combined with **direct matching approaches** based on algorithmic and machine learning analysis of the known sectors of activity of companies, investment track-record, and preferences of investors. The matching tool is able to identify the matches between investors and start-ups out from the large set of entities based on input data parameters.

# Individual Leads Analytics Dashboard

## Chosen Entity Investors Universe



50 High Score Investors

250 Mid Score Investors

## Associated Leads Search

High Score Investors

Mid Score Investors

## Decision Maker Extraction

High Number Extraction

Minimum 3 Decision Makers

## Data Enrichment

Contact Details Collection

Employment History

Open Source Intelligence

Additional Details

## Enriched Personal Profiles

AI Generated Personal Engagement Recommendations

Short Profile Summaries for Overview

300

Leads Associated with Investment Organisations with High Score

700

Leads Associated with Investment Organisations with Medium Score

# Scenario Forecasting Analysis Module



## Automated BizDev Dashboard Components

### Scenario Modelling and Multivector Forecasting

Multiverse-style Company Scenario Modelling via Long-Term Technological Forecasting System Technology

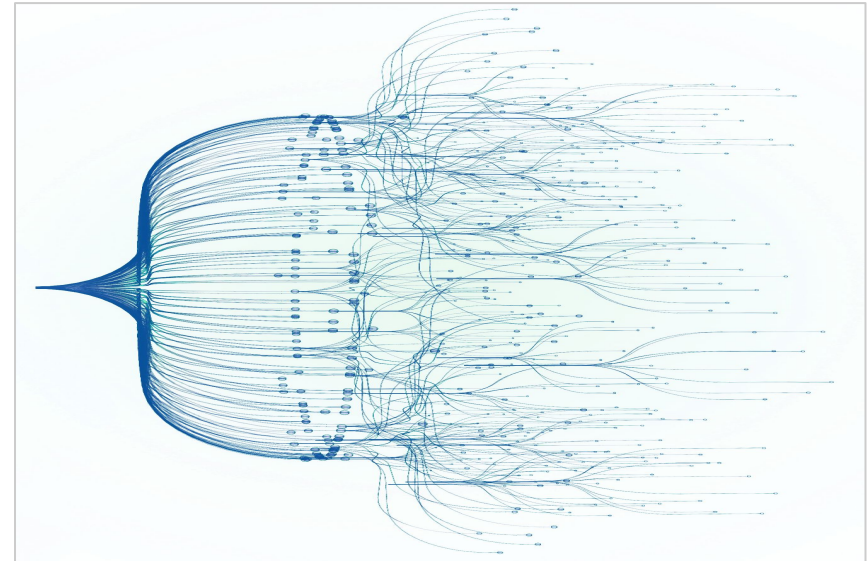
### Automated Recommendations

AI-driven automated recommendations based on scenario modeling analysis

### Multi-Dashboard Integration

Recursive feedback and integration of outputs with other Dashboard components (Business Development and Investment Relations Dashboards)

## Technologies Development Timeline



2000



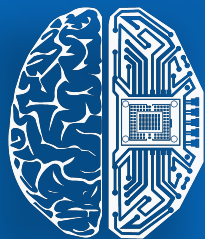
2030

**Time Machine**



To make impact on the positive  
trajectory of humankind development

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