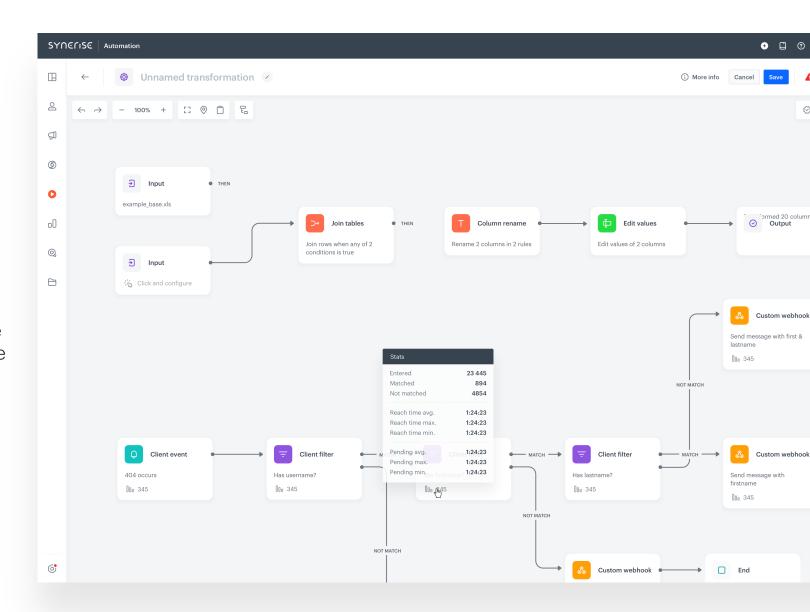
Behavioral Data Infrastructure driven by AT

Foundation models like ChatGPT, GPT-3, Dall-E 2, StableDiffusion have revolutionized Text and Image processing. A single large model trained on massive datasets can replace thousands of specialized models.

For the first time thanks to Synerise models you can apply the same principle to behavioral data.



Synerise

Leader in Behavioral Modelling Science

We improve customer experience in over 150 countries



"Dailymotion has applied Synerise EMDE to personalize video recommendations in native applications, leading to improved relevance and catalog coverage."









What we do?

From data to human needs

"Synerise platform is able to track every event, across every channel: whether it's mobile, it's web, physical presence. All of that is signal that's being continuously collected, processed, and then in turn Al is being applied, workflows are being applied to drive the experience"

Satya Nadella

CEO of Microsoft



Video

See Satya Nadella talking about Synerise (<00:30)



Video

See Synerise Explainer (<02:00)



Video

See Synerise Al Vision (42:00)



Developer & business centric experience in one place

Trusted by amazing companies

"Synerise platform is able to track every event, across every channel: whether it's mobile, it's web, physical presence. All of that is signal that's being continuously collected, processed, and then in turn AI is being applied, workflows are being applied to drive the experience"

Satya Nadella

CFO of Microsoft



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See Synerise Al Vision (42:00)



digital wallet & loyalty



offline & online CDP



unifying all behavioral data



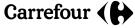
segmentation / insights



product / UX analytics



360 customer degree



Al promotion engine



Al recommendations

DAILYMOTION

Al scoring & predictions



marketing automation



lead nurturing



NPS tracking



content personalization



1-1 communication



ads network data sync

Offering

3 core products



Experience Platform

All in one self-service platform for building exceptional experiences

Read more

base_model

BaseModel.ai

Revolutionary private foundation model for behavioral data

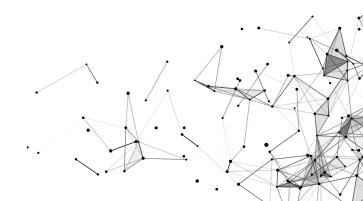
Read more

Cleora

Cleora.ai

Open source general-purpose model for efficient, scalable learning of stable and inductive entity embeddings

Read more



Personalization

dynamic **p**yield

(Insider

braze

We built an industry agnostic & multi-feature platform

Controlling data processing, AI pragmatic tools and execution scenarios in one place give the best results

Synerise covers all features of multiple technologies and delivers better results by connecting features already weakly associated and available in hundreds of separated tools

The client's potential tech stack to be partially or fully replaced by Synerise

Data Collection Database	Customer Data Platform	Product Analytics	Recommendations	Recommendations Marketing Automation	
memSQL (%)	Segment	mixpanel •••	monetate	mailchimp	
SAP HANA	mparticle	Amplitude	B⊛XEVER	salesforce	
ClickHouse	Lytics	pendo	coveo	elqua.	
BI & Analytics	Loyalty	Search	Customer Experience	Attribution Modeling	
qualtrics. ^{XM}	Talon.One	ි algolia	/ {\Adobe	w O opra	
Google Analytics	AlAdobe	SearchNode ■ SearchNode ■	salesforce	Adobe Analytics	
Sas	SAP	bloom reach.	IBM	TUNNEL	

and hundreds more...



Synerise is among world's top AI powerhouses

International AI competitions prove that Synerise developed a world-class technology

Organizer	Competition name	Description of the challenge	1 st Prize	2 nd Prize	3 rd Prize
KDD2021	ACM KDD Cup Stanford OGB-LSC 2021	Predict the subject of scientific publications on the basis of edges contained in the heterogeneous graph of papers, citations, authors and scientific institutions.	Baide	Google DeepMind	SYNErise
Booking.com	ACM WSDM Booking.com Data Challenge 2021	Provide the best suggestion for the next trip most likely to be bought by a booking.com customer based on millions of real, anonymized bookings of existing clients	OVIDIA.	SYNErise	Team Dasou
y	ACM RecSys Twitter Challenge 2021	Based on 1 billion historical tweets predict 4 possible actions (likes, retweet, comment, retweet with comment) of the next tweet provided in a random language	OVIDIA.	SYNErise	layer6
Rakuten	SIGIR eCom Rakuten Challenge 2020	Identify the images of a huge data base of products without being given pairing of descriptions and images	SYNGNSG	Undisclosed	PURDUE UNIVERSITY. Rakuten Institute of Technology

And defeated inter alia: OPPO















We are solving AI scientific problems worldwide

Our tech & science achievements are shaping the platform we created



"Winners of the OGB-LSC graph machine learning challenge have just been announced [...] Congratulations to the winning teams from @BaiduResearch, @DeepMind, @Synerise..."

Jure Leskovec 9 @jure

Professor of #computerscience @Stanford, Chief Scientist @Pinterest







"One of the hottest AI research fields"

OGB-LSC challenge mentioned as an AI benchmark in prominent State of the AI report:

https://www.stateof.ai

Our science achievements are shaping the platform we created

We believe in brave vision of computer science, which is always based on meritocracy



Synerise at RecSys 2021: Twitter user engagement prediction with a fast neural model

30 Sep 2021

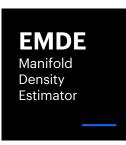
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Multi-modal Embedding Fusion-based Recommender

5 May 2020

• read more



An efficient manifold density estimator for all recommendation systems

5 Jun 2020

• read more



Synerise at SIGIR Rakuten Data Challenge 2020: Efficient Manifold Density Estimator for Cross-Modal Retrieval

29 Jul 2020

• read more



"I know why you like this movie" Interpretable Efficient Mulitmodal Recommender

9 Jun 2020

read more



Cleora: A Simple, Strong and Scalable Graph Embedding Scheme

5 Jan 2021

read more

We built a mission-critical platform based on three pillars

Delivering excellent ROI with less than 3 months payback thanks to scientifically proven solutions

Ability To Absorb & Process Heterogeneous Information

How fast and at what scale are you doing it?



Terrarium Proprietary Database Engine

Column & row-oriented real-time behavioural database engine built from scratch for heterogeneous multimodal data Ingestion

Terrarium_

Ability to Analyse, Understand, Infer & Make Decisions

How deeply, precisely and effectively can you analyze information to get insights and make decisions?



Automatic Behavioral Modeling & Analytics

Generalized behavioral modeling suite with feature store

Ability to Act, Experiment & Learn in Real Time

How do you use information to act, learn and optimize your behaviour?



Self-Service Workflow
Automation & ML Execution

Self-service, low code & automation platform with reusable components for developers, clients & partners

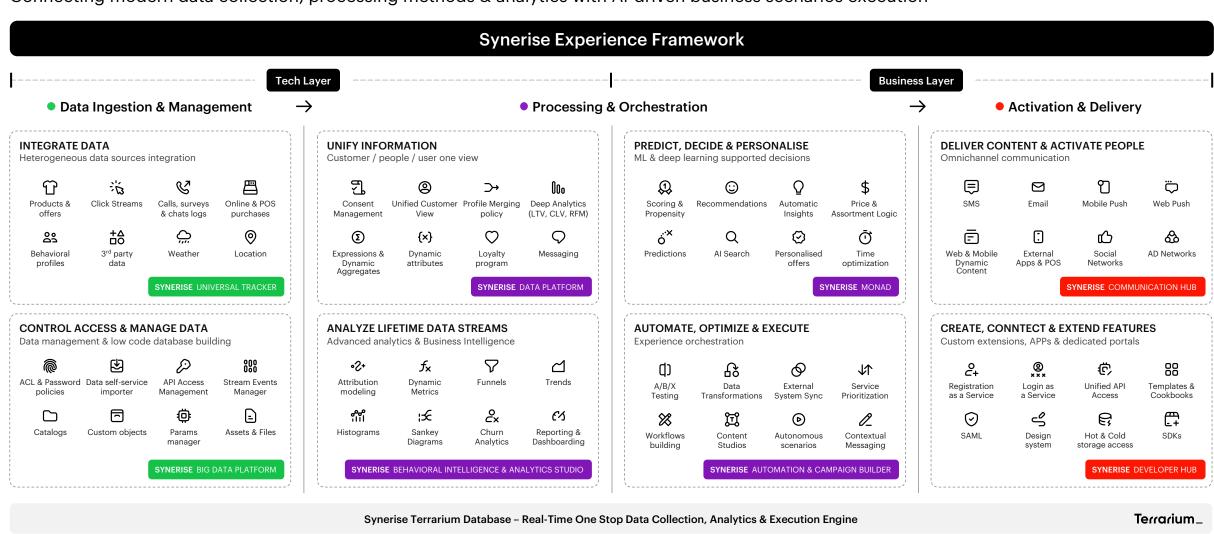
API-first platform open for extensions with Design UI System

ON-PREMISE

SAAS

We created an end-to-end experience & continuous intelligence framework

Connecting modern data collection, processing methods & analytics with AI-driven business scenarios execution



PRIVATE CLOUD

Concept used by leaders

AI/Big Data frameworks

"We are currently using [Synerise] EMDE¹ for generating candidates to facilitate downstream recommendation systems. It generates recommendations using density-based rich customer representation. It allows us to trace customer lookalikes ('People Like You') to find similar users with similar cuisine/taste preferences as well as price affinity. We used [Synerise] Cleora for customer-restaurants graph data [...] And to our delight, the embedding generation was superfast (i.e <5 minutes). For context, do remember that GraphSAGE took ~20hours for the same data in the NCR region. Cleora + EMDE gives us a generalised framework for recommendations [...] We are exploring ways to use it in other applications such as search ranking, dish recommendations, etc. "

zomato

Read more

Data Science Team



Zomato is an multinational restaurant aggregator and food delivery company founded 2008 owned inter alia by Uber and AliPay. Zomato provides information, menus and user-reviews of restaurants as well as food delivery options from partner restaurants in select cities. The service is available in 24 countries and in more than 10,000 cities. In financial year 2021, the average monthly active users for Zomato were 32.1 million users.

[1] EMDE & Cleora are unique algorithms created from scratch by the Monad team and forming part of Monad project.

Zabka - Case Study

CEE largest convenience store chain - 12 million consumers (2x the population of Arizona) live no more than 300 m from the nearest Zabka store

>8.5K connected offline stores in real time

>4B
API requests per month

>3.8B
automated decisions
made per month

>2.5M daily customers

\$3B revenue tracked

>1B
behavioral events
tracked monhtly

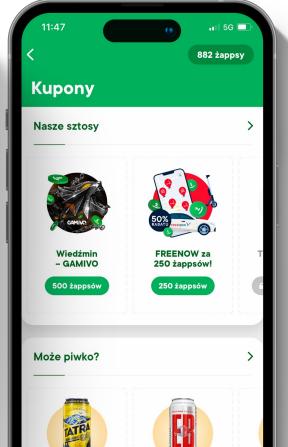
>22.5M
behavioral profiles
in CDP

Key Synerise Experience Tools Implemented:

- · Digital wallet with flexible loyalty program
- Headless Experience API for mobile APP
- Authorization as a service (Auth)
- Marketing Automation & Customer Intelligence
- Al Predictions & Recommendations
- Al Personalisation
- Al Scoring
- Al **Promotion** Engine
- Real-Time Online & Offline Events Tracking
- Real-Time Decision Management
- · Retail media analytics with real time reporting









We offer fast & transparent pricing & implementation model

Promoting individual approach for each customer and different deployment models

A Competitive Pricing Model

1	Pay-As-You-Go for real consumption of the platform only
2	No CAPEX required (no charges for subscriptions, entry-fees, etc.)
3	Transparent value-for-money based pricing mechanism (more revenue & usage – more engagement)

A Modern Implementation Model

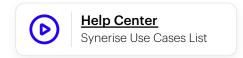
1	Fast deployment in 1-2 weeks without IT dependency
2	Integrates on top of existing legacy software or replacing it
3	Data privacy & security compliant (full GDPR compliance)

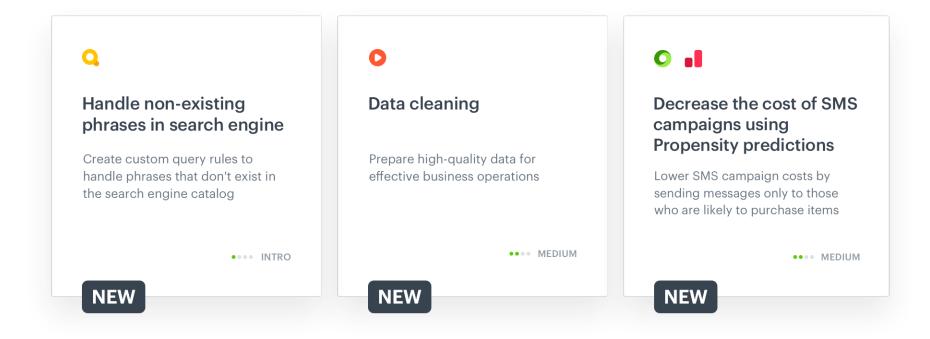
15

One platform = thousands of use cases

All in one self-service platform for building exceptional experiences

See additional selected use cases on **Synerise Help Center**





Thank you!









