

Company Introduction

2023 Mondrian AI Company Profile

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01

Making innovation with AI

Mondrian AI leverages its expertise in big data, artificial intelligence, and data analytics to drive data-driven innovation and change in a variety of industries.

Introduction



Company Introduction

Mondrian AI is a company of data engineers, data scientists, and software experts who use AI platform to discover meaning in complex data and maximize the business value of data.

Business Overview

Business Area **Supply of Industrial AI Platform**

Business Address B1020 SW Yoonghap Cluster, 119, Munhwa-ro, Yeonsu-gu, Incheon

Phone 032-459-2238 FAX 032-232-1104

Website <http://mondrian.ai> CEO Hong, Dae Ei

Company History

2023

Korea Artificial Intelligence Society Selected as Top 100 AI Companies in 2023 (four years in a row)
'Dreamline', MOU for AI Cloud Service Development
Ministry of the Interior and Safety 'Yennefer' delivery

2022

Prime Minister's Award for Meritorious Venture Start-up
re-election of Incheon Airlines' Leading Company
'Weflo', MOU for Blockchain/Financial Services Development
Partnership Agreement with NH Cloud Platinum Inc
Investment attraction for Series A, a specialized technology for AI MLOPs platform (KRW 4.5 billion)
Korea Artificial Intelligence Society Selected as Top 100 AI Companies in 2022

2021

Data Intelligence Platform Development Business (Big Data BI Platform of SK's Affiliate)
AI Platform Development Business for the Manufacturing Sector (AI R&D Platform of Samsung's Affiliate)
Development of AI Models and Platform for Health Services (Covid-19 Infectious Disease Response System, Korea Disease Control and Prevention Agency (KDCA), Gil Hospital)
Top 100 AI companies in 2021 by the Artificial Intelligence Industry Association
Vault Korea Overseas Expansion Mutual Cooperation MOU

2020

Innovative Small Business (Inno-Biz) Certification
Prime Minister's Award at the 8th Pan-Governmental Public Data Utilization Start-up Competition
Korea's Top 100 Promising Artificial Intelligence Companies
MOU with Sejong University's Artificial Intelligence Convergence Research Center
MOU with the Cancer Big Data Platform Organization of the National Cancer Center
Establishment of Smart University Integrated Control Center System
Launch of Enterprise AI Platform Yennefer Suite

2019

Korea SMEs and Startups Agency's Presidential Award (2019 Graduate)
MOU with Incheon Smart City
Venture Company Certification, Incheon Airlines Leading Company Certification

2018

Commendation Award by Incheon Regional SMEs and Startups Office
Establishment of Mondrian AI Corporation

Team Structure

Founded by KAIST Masters/Ph.D. major in **SW Engineering**

Dae-Eui Hong CEO

KAIST Computer Science, M.S

Google Developers Group, Organizer

Former SW Engineer of GE Institute of
Technology

Prime Minister's & Incheon Mayor's

Award Winner

Ji-min Hwa CTO

KAIST Computer Science, Ph.d.

Industrial AI, ML SW Expert

Numerous Papers & Patents in the
field of Systems & Platforms

Experienced Head of Industrial AI

Applied R&D

38 R&D-centric team members

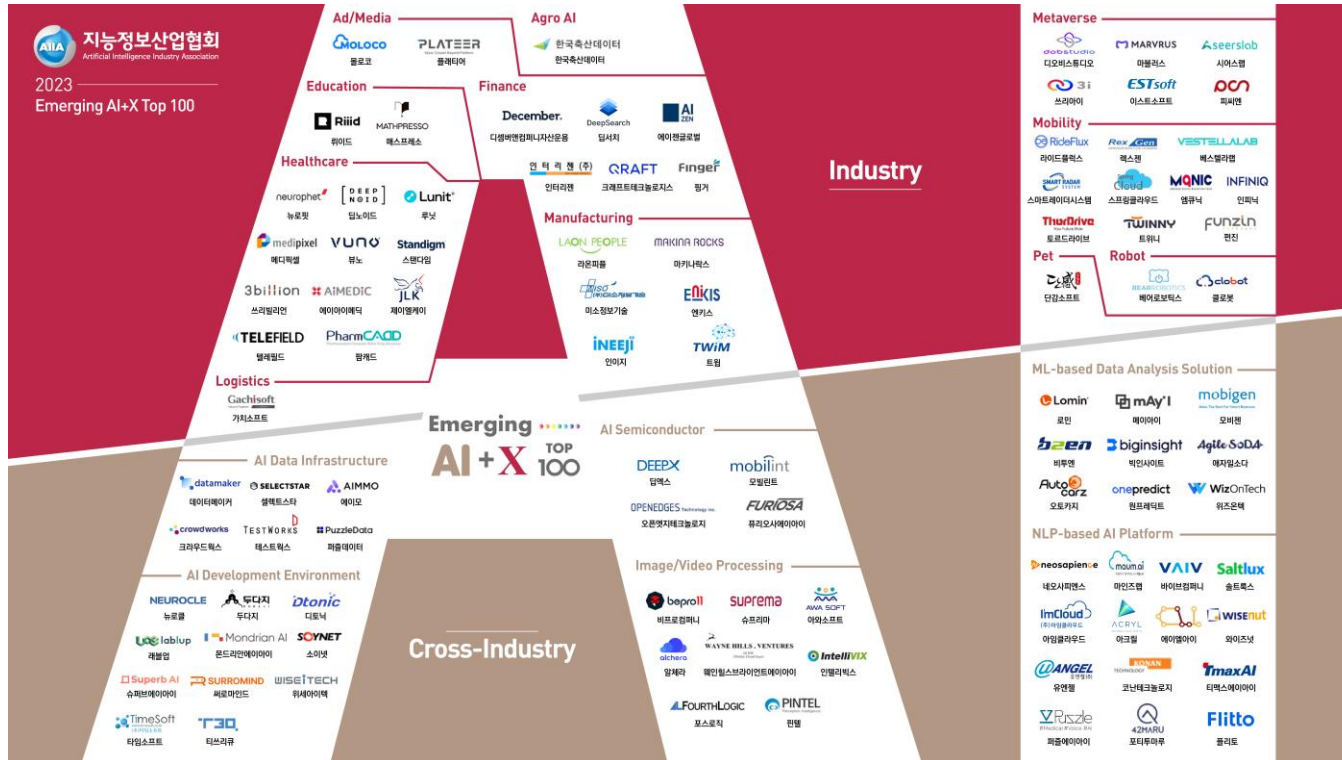
Biz & Admin
10 MembersSW Engineer
19 MembersML Researcher
9 Members

* KAIST, Seoul National University, Korea University, Hankuk
University of Foreign Studies Master's/Ph.D. researchers-
centric team composition

Patent Status

13 Intellectual Property
Rights7 Domestic & International Patent
Applications/Registrations

Top 100 Emerging AI+X Companies 2023 (four years in a row)



 Mondrian AI

Selected Field

AI Development Environment / Platforms
AI Development Environment

Selection Criteria

As an emerging company with more high future value.

Top 100 domestic companies that will lead the future innovation through convergence with various industries based on AI technology.

Certification of Excellent Technology Competency (Best TI-3 Grade)

Certified Venture Company

Certification Status

Good Software
1st Class Certification



NVIDIA
Inception Partner



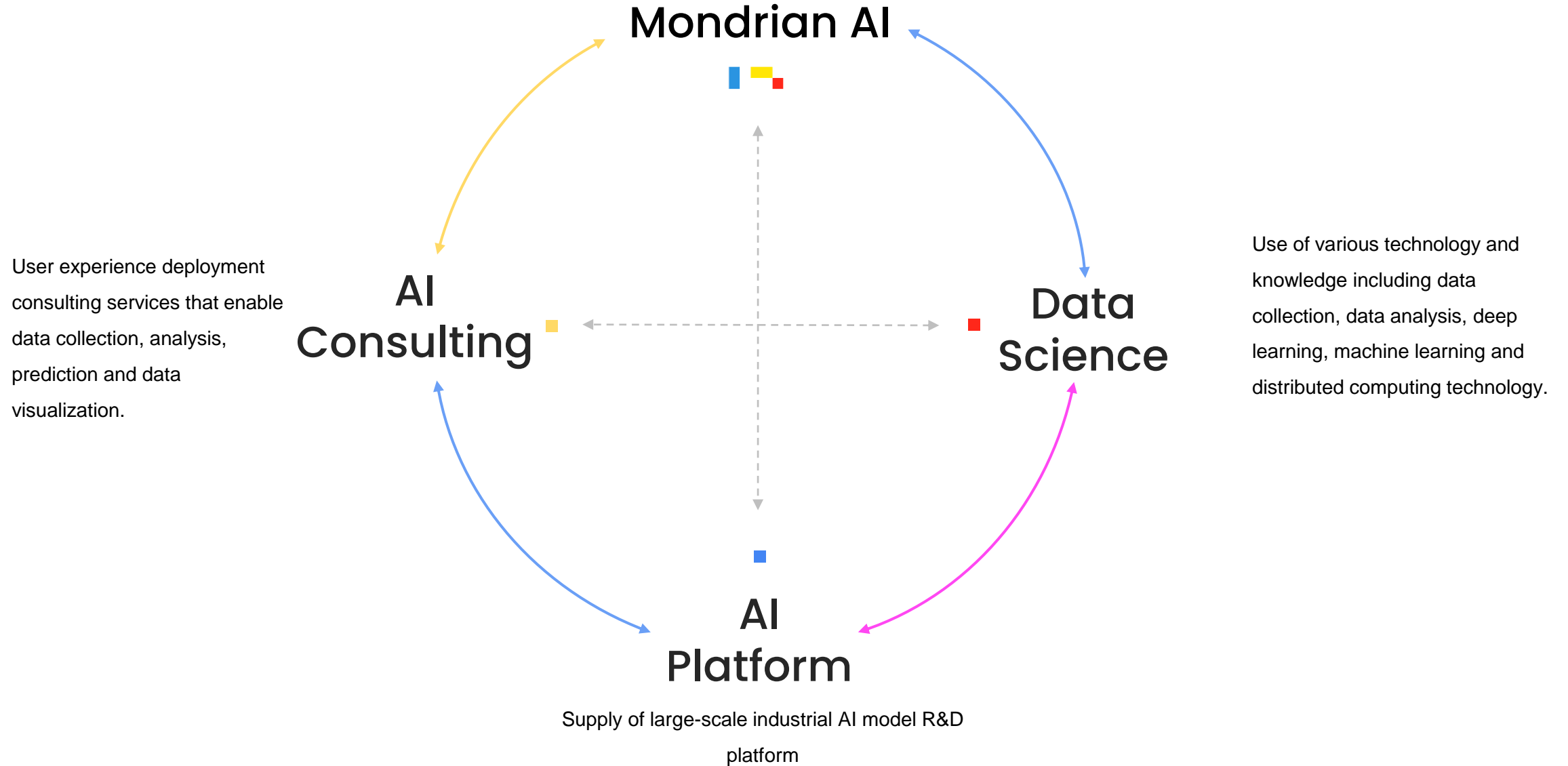
Inno-Biz
Certification

INNObiz
기술혁신형중소기업



조달청 등록업체

Mondrian AI provides data-based artificial intelligence services such as IT/DT consulting, big data infrastructure construction, AI model development, and industrial AI solutions.



02

Realization of the AI Adoption

AI Platform

Mondrian AI helps to develop new business models
in a variety of industries by providing AI solutions
utilizing cloud computing, AI, and big data
technologies.



Yennefer – Easy and Fast AI Model Development & Operation

Yennefer makes AI development and operation expeditious as it provides all optimized deep learning frameworks. A virtual environment for data analysis and AI model development is provided which allows anyone to start right away. Yennefer is the leading platform for building a data analytics environment.

Yennefer

Yennefer provides a comprehensive set of tools and services with the most essential infrastructure for any enterprise or organization to adopt data-driven AI.

Yennefer Labs

Yennefer MLOps

AI Box

Yennefer Cloud

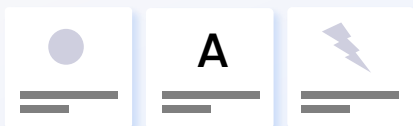
* Under development





Web-based **Data Science Platform** for easy data analysis

Data Management



Data Management

Systematically manage and share data asset management components and valuable corporate data

ML/DL Studio



Professional Development Environment

Able to create professional data analysis and AI algorithm development and prediction reports through the web

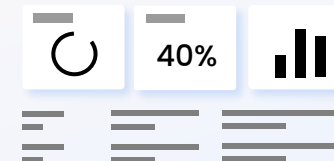
Project Sharing



Sharing and distributing research results

Share AI projects / reports and easily distribute AI services

Admin



User and Resource Management

Efficient management of AI server infrastructure with multiple users



MLOps platform for professionals responsible
for the entire AI operational process

Inference



Inference

Add AI functions to various App/Web services

Pipeline



Pipeline

Organize complex data analysis
processes step by step and run them
repeatedly.

ML Preset



ML Preset

Accelerate projects with a range of default
machine learning presets

Model Optimization



Model Optimization

Automatically derive the optimal value
of the model using hyperparameter
tuning

Model Deployment



Model Deployment

Conveniently deploy and operate AI
models

Resource Monitoring



Resource Monitoring

Efficiently manage the infrastructure
usage of high-performance servers

End-to-End AI Platform responsible for the entire AI development process



Easier Data Analysis Environment

Easily configure a WEB-based data analysis environment in a single click without worrying about complex infrastructure installations at work, labs, and schools.

Efficient Infrastructure Management

Monitor and systematically manage users' infrastructure to ensure efficient utilization of limited resources.

Flexible ML Model Operation

Provides immediate data analysis environment for experts required for development and operates a model by configuring an elastic infrastructure that can be customized accordingly for each project.

Yennefer Labs

Yennefer MLOps

Data Catalogue

Data Catalogue

Resource Allocation

Resource Allocation

Data Analysis

Data Analysis

Model Optimization

Model Optimization

AI Deployment

AI Deployment

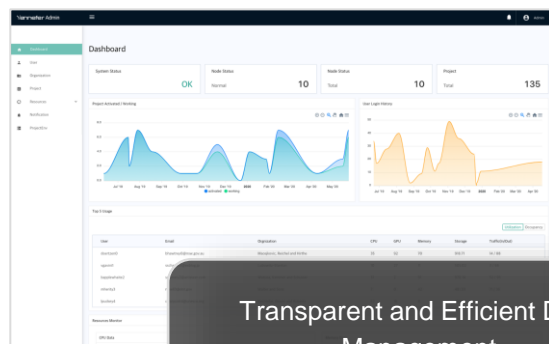
Inference

Inference

Resource Monitoring

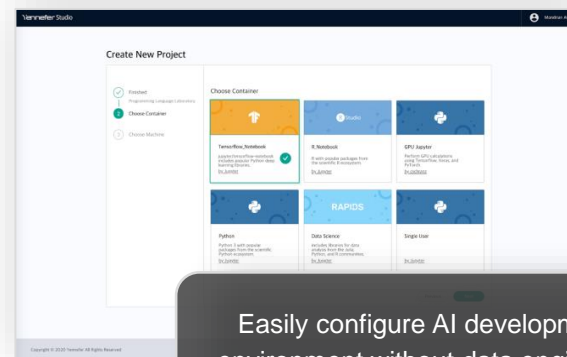
Resource Monitoring

Monitoring Data Collection & Data Searching



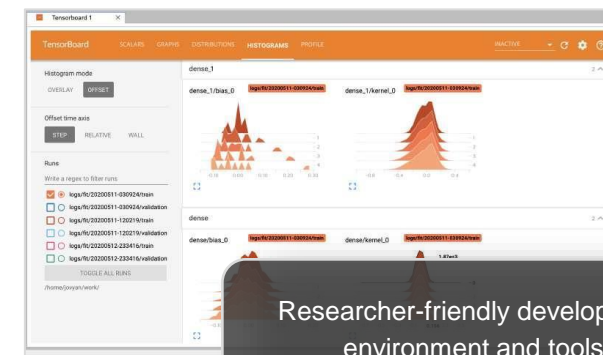
Transparent and Efficient Data Management

Set up Development Environment with just a few clicks



Easily configure AI development environment without data engineers

Development using Browser IDE



Researcher-friendly development environment and tools

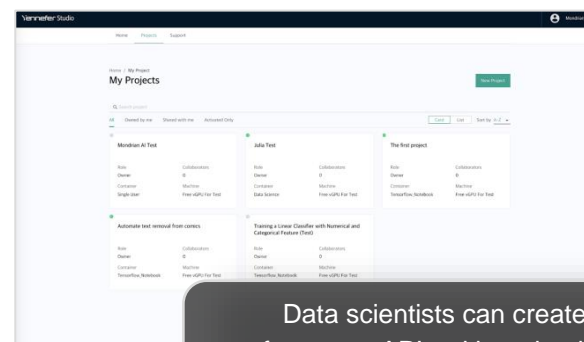
Select Public Computing Resources to Use

The 'User List' interface shows a table with columns for 'User ID', 'User Name', 'Email', 'Created Date', 'Updated Date', 'Status', 'Permissions', and 'Actions'. The table contains 10 rows of user data.

| User ID | User Name | Email | Created Date | Updated Date | Status | Permissions | Actions |
|---------|-----------|--------------------|---------------------|---------------------|--------|--------------|---------|
| 1 | admin | admin@yennifer.com | 2023-01-01 00:00:00 | 2023-01-01 00:00:00 | Active | Full Control | View |
| 2 | user1 | user1@yennifer.com | 2023-01-01 00:00:00 | 2023-01-01 00:00:00 | Active | Read Only | View |
| 3 | user2 | user2@yennifer.com | 2023-01-01 00:00:00 | 2023-01-01 00:00:00 | Active | Read Only | View |
| 4 | user3 | user3@yennifer.com | 2023-01-01 00:00:00 | 2023-01-01 00:00:00 | Active | Read Only | View |
| 5 | user4 | user4@yennifer.com | 2023-01-01 00:00:00 | 2023-01-01 00:00:00 | Active | Read Only | View |
| 6 | user5 | user5@yennifer.com | 2023-01-01 00:00:00 | 2023-01-01 00:00:00 | Active | Read Only | View |
| 7 | user6 | user6@yennifer.com | 2023-01-01 00:00:00 | 2023-01-01 00:00:00 | Active | Read Only | View |
| 8 | user7 | user7@yennifer.com | 2023-01-01 00:00:00 | 2023-01-01 00:00:00 | Active | Read Only | View |
| 9 | user8 | user8@yennifer.com | 2023-01-01 00:00:00 | 2023-01-01 00:00:00 | Active | Read Only | View |
| 10 | user9 | user9@yennifer.com | 2023-01-01 00:00:00 | 2023-01-01 00:00:00 | Active | Read Only | View |

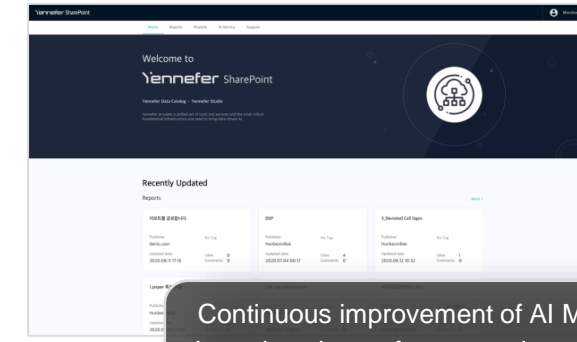
Efficient use of limited and expensive computing resources within the organization

Automatic Generation of AI model APIs



Data scientists can create performance APIs without back-end developers

Continuous AI Management and Improvement

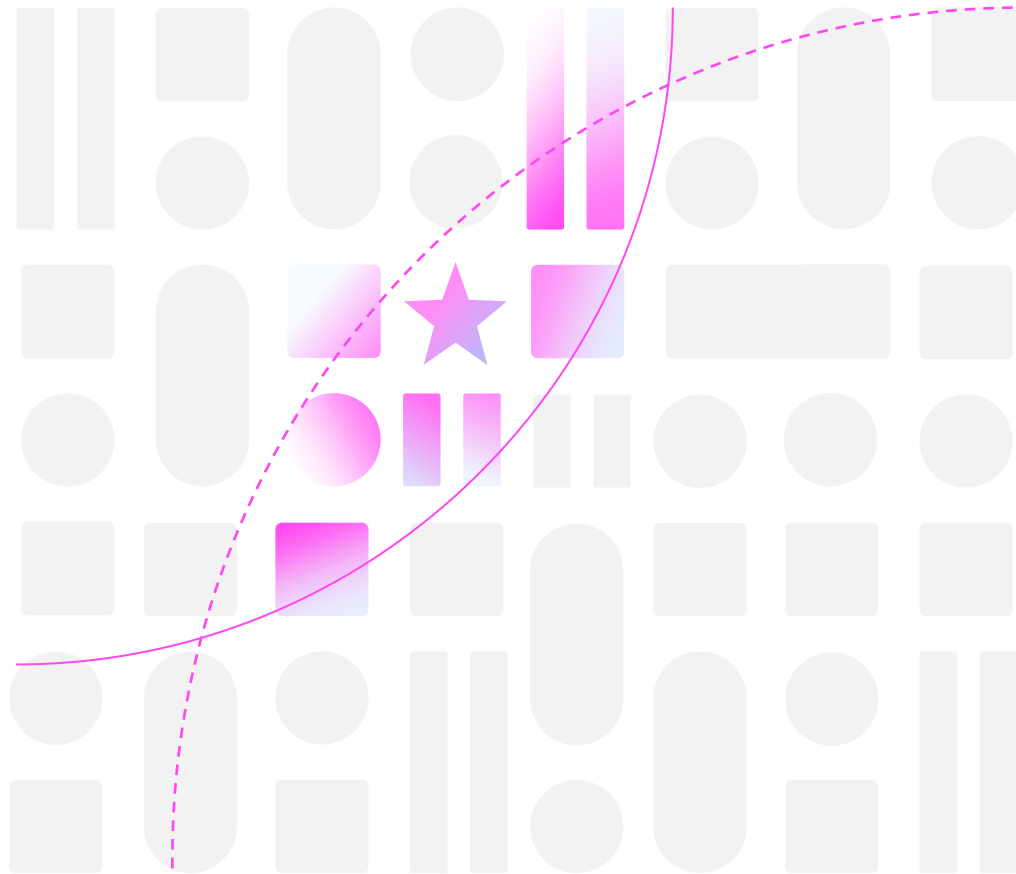


Continuous improvement of AI Model based on the performance data of the AI Model

03

Value Realization by
using AI

Business



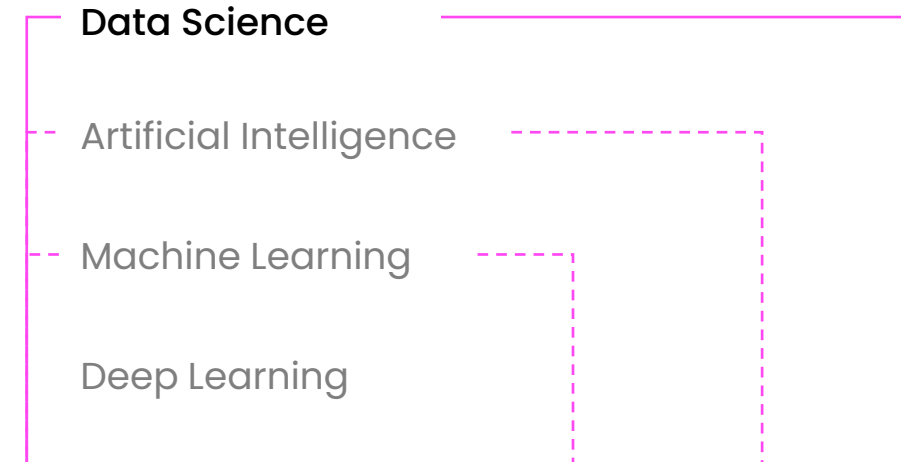
Discovery of new values

Data Science

Refines, analyzes data, and explores what it means and how it can be utilized. Professional researchers study deep learning and machine learning and apply it to the real world. This helps to rediscover the meaning and value of data which also supports faster decision-making.

Data Science

Refines, analyzes data, and explores what it means and how it can be utilized. Professional researchers study deep learning and machine learning and apply it to the real world. This helps to rediscover the meaning and value of data which also supports faster decision-making.



Data Science Process

It is a process of developing and visualizing an appropriate AI model using various technologies and knowledge such as data collection, data analysis, deep learning / machine learning, and distributed computing technology to produce research / business products and services.





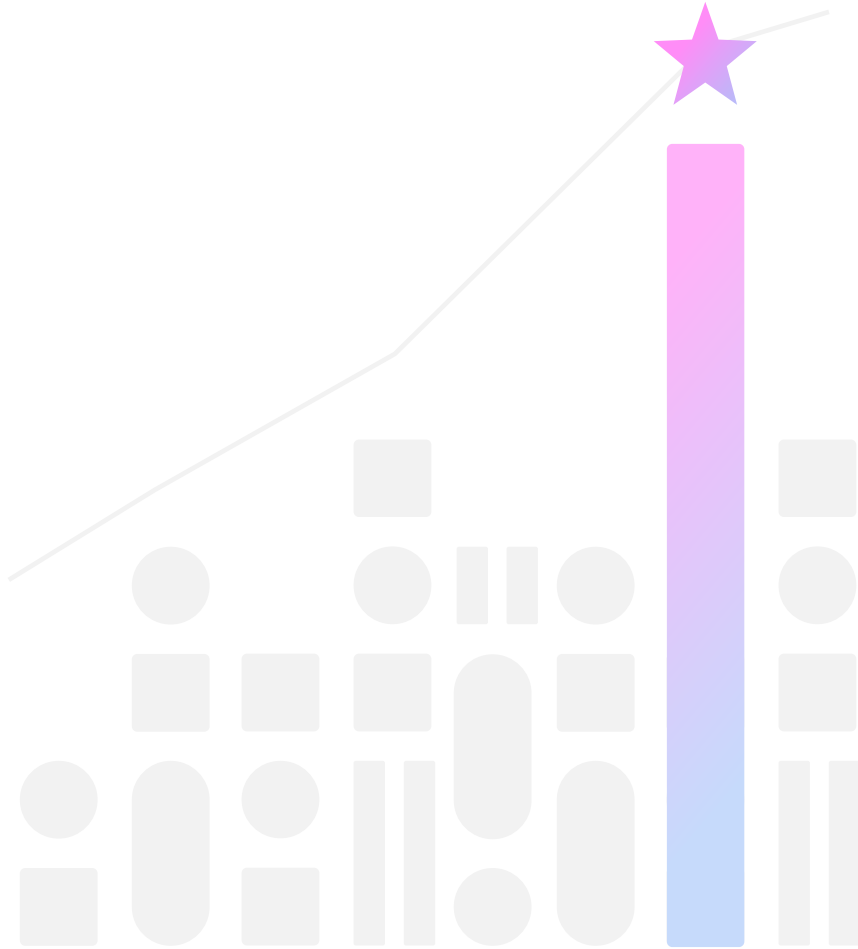
AI Consulting with Experts from Start to Finish

Mondrian AI helps to develop new business models in various industries by providing AI solutions utilizing cloud computing, AI, and big data technologies.

Systematic Consulting Process

Together with data and visualization experts, Mondrian AI strategically consults a series of processes in enterprise AI adoption, from AI workstation configuration to data visualization, and ultimately provides appropriate solutions.

| H/W Environment Development | AI Environment Development | Data Analysis | Data Visualization / Utilization |
|---|---|--|---|
| <div><div>AI Workstation</div><div>Provides a workstation dedicated to deep learning that reduces unnecessary time for the initial environment set up such as big data, artificial intelligence, and IoT in medium-sized enterprises.</div></div> | <div><div>Yennefer</div><div><div>Yennefer MLOps</div><div>An AI development and operation platform for professionals responsible for AI model development and service operation.</div></div><div><div>Yennefer Labs</div><div>Provides a multi-user development environment for data analysis and AI model development</div></div></div> | <div><div>Data Science</div><div>Refines, analyzes data, and explores what it means and how it can be utilized. Professional researchers study deep learning and machine learning and apply it to the real world. This helps to rediscovers the meaning and value of data and supports faster decision-making.</div></div> | <div><div>Data Intelligence</div><div><div>Bring your data to life with data visualization.</div><div>Analyze data from different industries to design powerful intelligent dashboards.</div></div><div><div>Monitor the company's key performance indicators and status quo and view the critical metrics briefly.</div></div></div> |



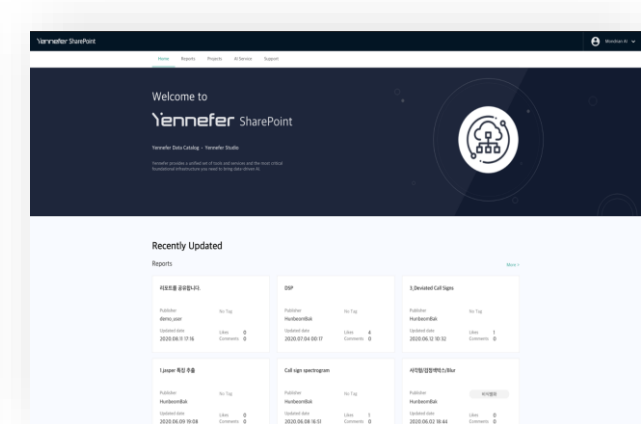
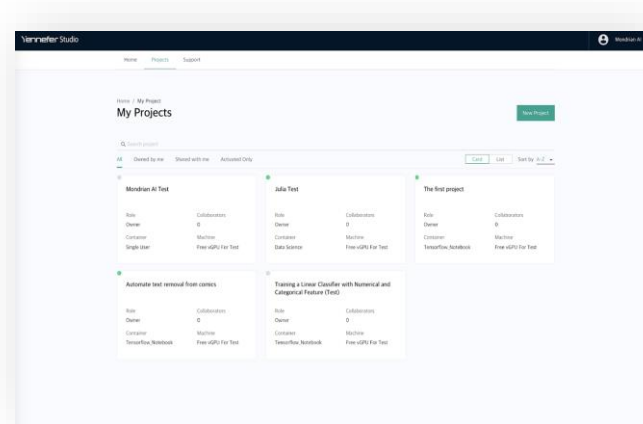
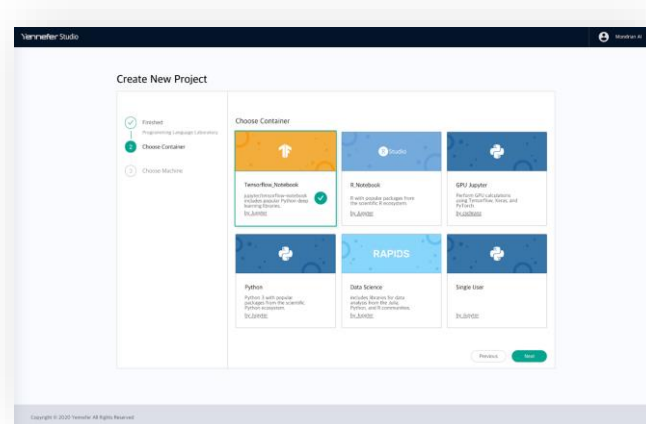
AI Platform Maximizing Value Efficiency

Helps develop new business models in various industries by providing AI solutions utilizing cloud computing, AI, and big data technologies.

Boost Productivity with our AI platform.

AI Platform

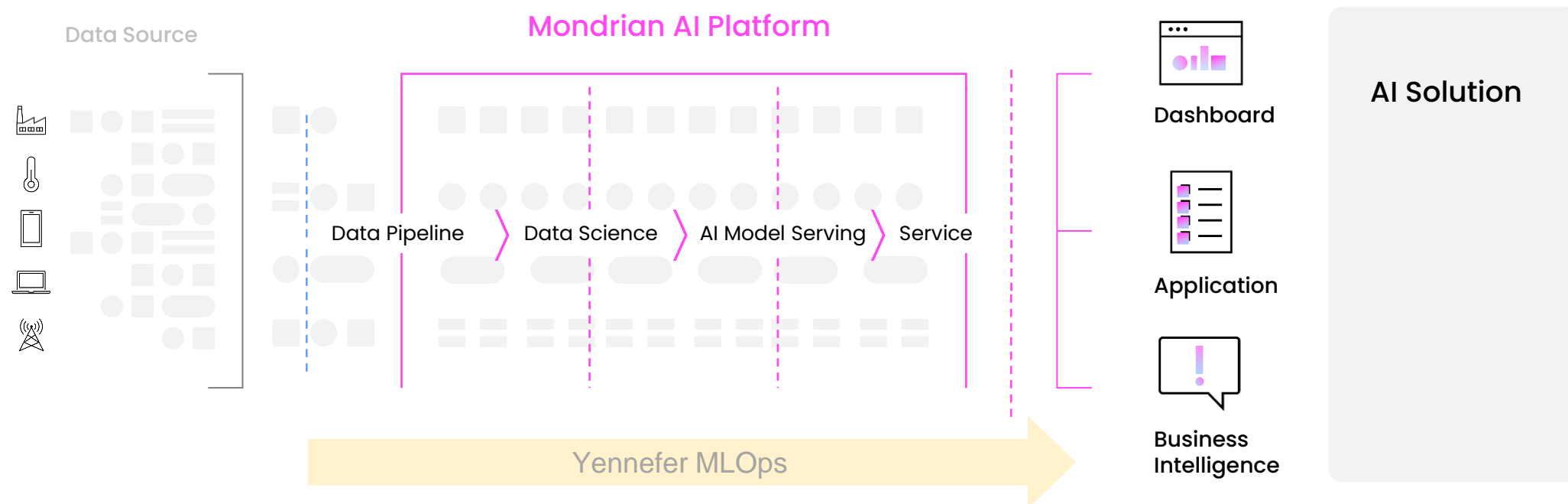
It is a process of developing and visualizing an appropriate AI model using various technologies and knowledge such as data collection, data analysis, deep learning / machine learning, and distributed computing technology to produce research / business products and services.



04

Satisfying
Customer
with AI

Solution



The fastest way to configure customized AI solutions

No need to start from the beginning to develop a valuable solution using large-scale data from various industries. Easily configure AI solutions using the Yennefer platform by Mondrian AI.

AI Adoption in various industries

Mondrian AI creates new business models in various industries by using cloud computing, AI and big data technologies.



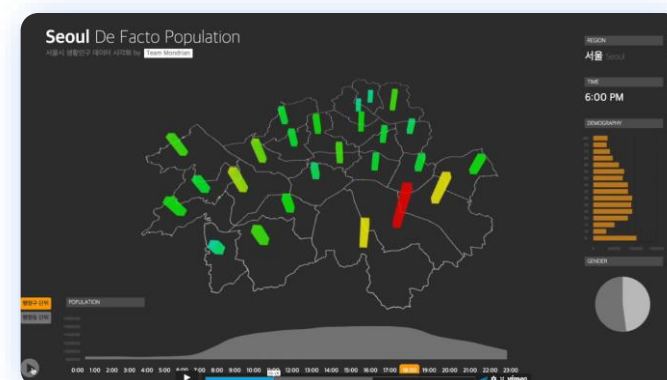
Business Intelligence

Configuration of web-based real-time dashboard for professional analysis and results required by organizations where data is widely used.



Network

Provides bandwidth management, load balancing, root cause analysis, and failure prediction services in the telecommunication industry by using high-speed big data processing technology.

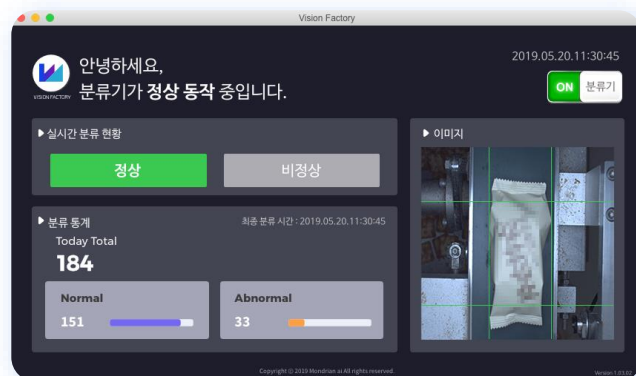


Smart City

Can be used as an integrated analysis platform for various data generated in the city. Create an intelligent world where citizens and organizations are organically connected through AI.

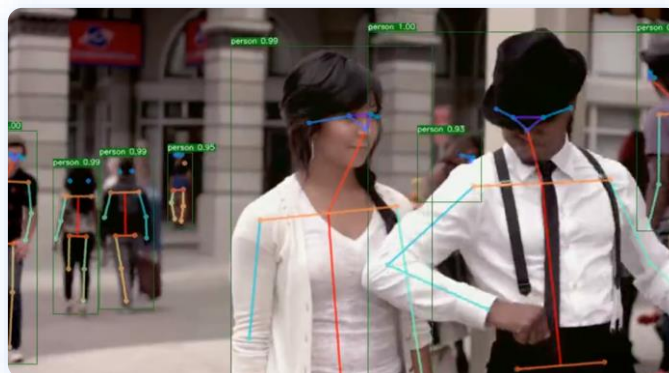
Boost productivity with customized AI solutions.

Mondrian AI's platform enables you to directly implement your own AI algorithms and utilize them in enterprise-specific solutions.



Smart Factory

Mondrian AI intelligentizes the entire manufacturing process based on big data and AI, helping to produce products with minimal cost and time.



Object Detection

Provides key algorithms necessary for the latest image classification, object detection technology, and conducts various studies to improve performance and accuracy.



Healthcare

Based on the AI and big data technology, Mondrian AI provides the optimal solution for healthcare business that faces the difficulties of the ICT technology adoption.

We will take the lead in helping your business go beyond modern digital standards with **AI transformation**.



삼성디스플레이



Thank you.

2023 Mondrian AI

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