



TSD AI Engineering

AI and Deep Learning Catalog, Products and Service

**50th Years of Hardware and Software Design
20th Year of Artificial Systems Design**

<https://tsd.co.jp/>

TSD Co., Ltd.

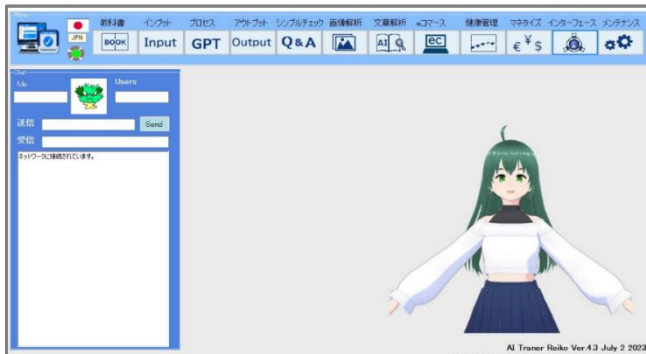


Application 1 Generative AI + Deep Learning

AI Trainer Reiko AI Learning and Code Creation

How the AI software "AI Trainer Reiko" works

1. Automatic implementation of coaching and counseling Q&A functions.
2. Highly accurate control of generated AI to create sentences, music, etc.
3. Gather members and implement specialized AI business.
4. Membership management and marketing research execution on PC.
5. Learn AI implementation on the AI story site.



AI Story Commercialization Site

1. Textbooks are substantial.
2. Qualifications can be obtained through AI education.
3. AI Implement and do business.
4. AI software is available.
5. Use of IoT devices.



Generative AI + Deep Learning + Conceptual Dictionary Feedback

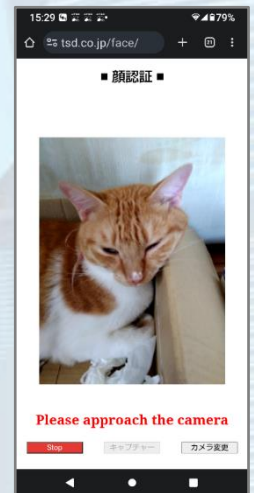
Control generative AI such as ChatGPT. Generative AI alone is 50% ready. Increase accuracy to 100% to differentiate from other people's generated AI content and increase product appeal. The wisdom and experience of the 10% human is also important.

Generative AI	Fine Tuning	Dictionary Deep Learning	Doneness	Human Experience
50%	10%	10%	20%	10%

AI Chatbot Business Model

AI business for members

Let AI learn your expertise and turn that expertise into smart phone content to provide it.



Document and Content Creation System



We propose three
types of
applications to
your company!



Application 2 AI applied in home medicine

Telemedicine system with touch panel and sensor

Watching system in Joetsu City, Niigata Prefecture

Optical fibers were laid all over the country, and regional network (CATV) lines in rural areas were used to provide monitoring and nursing care as one of the lines.

On behalf of the Ministry of Internal Affairs and Communications, we participated in a demonstration experiment of watchful nursing care in Joetsu City, Niigata Prefecture. Over the past three years, more than 100 households have been equipped with videophones and monitoring sensors to monitor them.

Touch panel and sensor



Emergency indication light



Emergency switch



Webmate Shinichiro

Sensing of emergency switches and gas alarms, and revolving lights in case of emergency.



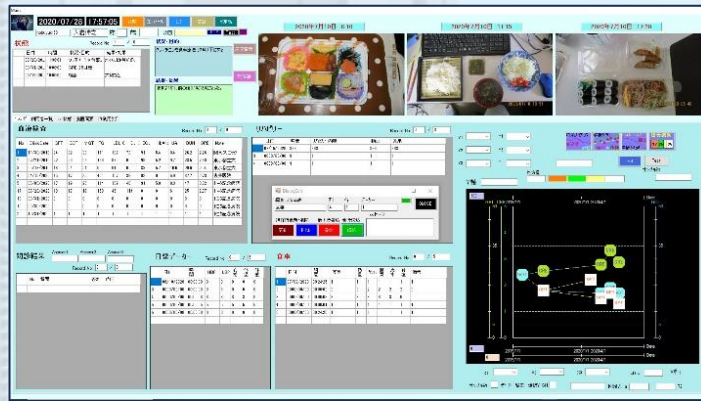
Using AI and IoT technologies, we provide systems that perform the following purposes. Webmate Shinichiro operates as a telework IoT device.

1. Watchful care: Remote monitoring, meal management, counseling, interfamily care,
2. Telemedicine: Corona and other infectious disease countermeasures, curative medicine, regenerative medicine, dementia, etc.
3. Crime Prevention, Disaster Prevention, and Environment Information processing of the natural environment such as crime prevention and disaster detection systems, etc.
4. Welfare Management of employee health at the company's workplace, prevention of occupational accidents, etc.
5. Agriculture, Fisheries, Forestry Measurement and analysis in agriculture, forestry, fisheries, treatment systems, etc.

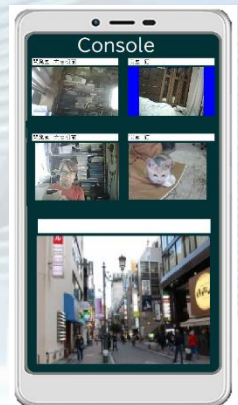
AI Home Medicine Telemedicine 'Eris'

AI Family Medicine

It is a telemedicine system for corona. We provide remote medical care for home health management, diabetes medication, smoking cessation guidance, and regenerative medicine screening.



AI Monitoring System 'Anshin'



Sleep sensor

Now that we are in a long-lived society, we need a system like this even more.

Application 3 AI/IoT hardware

FPGA Control Webmate Shinichiro FA

Orders for hardware development and mass production

Originally, the company started with electronic circuit design.

1. The printed circuit boards were received from Ihara Electronic Industries, and the three of us designed about 300 designs in three years.
2. The home video game console was developed two years before the NES, and the MIDI board for the PC98 was developed two years before Roland's Mujiro, so it may have always been a little too early.
3. OEM [Product "Hakaras" sold by Gakushukensha is designed by our company and manufactured by Tokai Rika Corporation.
4. We are currently developing a monitoring device using a talking robot and millimeter-wave radar.

Webmate 真一郎 FA

THE INTERNAL BOARD CONTAINS AN FPGA.
THIS ENABLES HIGH-SPEED IMAGE
PROCESSING. IT WAS DEVELOPED AS
A SAFE OPERATION MONITORING SYSTEM
FOR FORKLIFTS.



Home video game consoles

It was developed two years before
the Nintendo machine was released
and sold by Japan Mail Service.



Talking Robot Tona

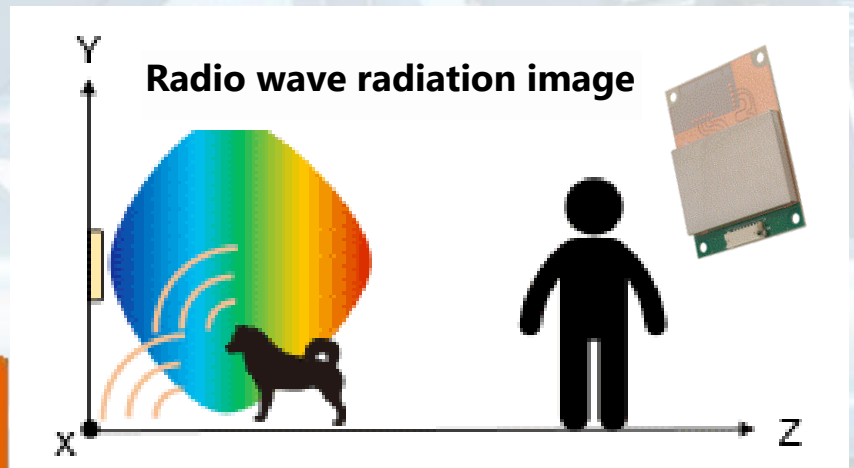
Good morning,
Tona-chan!
I'm fine today!

Grandpa,
Grandma,
how are you?

Prototype completed



Millimeter-wave radar monitoring equipment



In development

Using AI, millimeter-
wave radar detects
the breathing and
heartbeat of multiple
people in the same
room.

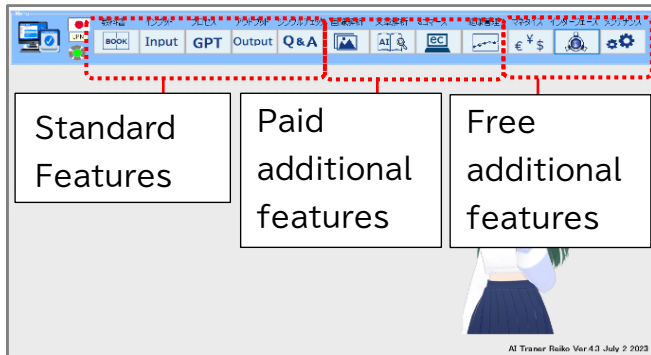


Product 1. AI Software

AI Trainer Reiko

Retail price From \$5,000~

Subscription price(1 year) \$50~



Standard Features

Textbooks, simple check Q&A

Input, GPT Controller, Output

Free additional features

Monetization, Interface, etc

Paid additional features

Image analysis, text & waveform analysis IoT control, etc.

Document and Content Creation System

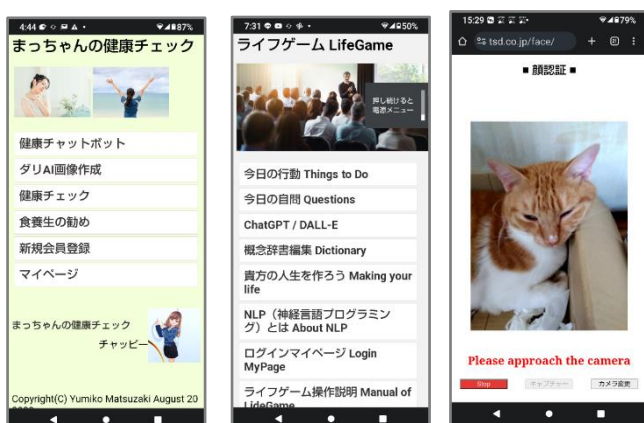


Selling price \$55,000~

Subscription price (1year) \$5,500~

1. Creation of text and images, etc.
2. Improving accuracy by conceptual dictionaries and deep learning
3. Create and edit templates
4. Easy operation on the input screen
5. Word control from output screen

AI Chatbot Business Model



Member prices ex, \$330 (1month)

- 1.Simple Check Questions and Answers
- 2.Daily Action with Things To Do
- 3.Achievement chart display
4. ChatGPT texting, Dall-E image creation
5. Browse and edit templates
6. Save created data and transfer via FTP

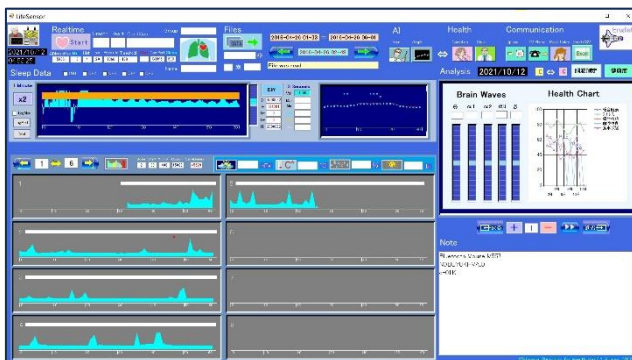
Product 2: Medical and Health Software

Telemedicine system "Eris"



It is a telemedicine system. It is used for remote medical care, beauty, health, anti-aging and regenerative medicine. For example, metabolic syndrome, high blood pressure, diabetes guidance, etc. Data such as the user's blood pressure, blood test, and sleep status are stored and analyzed for examination by a doctor.

AI sleep analysis



AI analyzes data such as breathing and heartbeat to discover the source of illness. For example, sleep apnea syndrome or a tendency to have asthma. Measurement can be used not only for humans but also for pets such as dogs and cats. The sensor uses millimeter-wave radar, sold separately.

Watching console "Anshin"



Set the sensor in the home or nursing home, and list its status on the console. Depending on your settings, email or emergency calls to care centers and family members. It can be used not only for humans but also for watching over pets and monitoring natural disasters.

3. Hardware

Webmate' Shinichiro'



General Use
Image analysis with FPGA



Industrial
Image analysis with
FPGA
Many contact inputs
and outputs

Built-in sensors

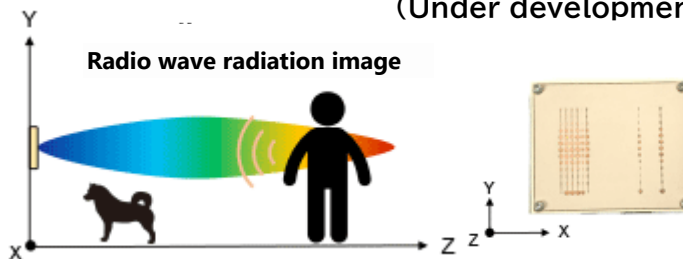
Human Sensing (Infrared)
Sensing people and animals
Temperature: -20°C ~ 80°C
Humidity: 0% ~ 100%
Pressure : $800\sim 1100\text{hPa}$
Illuminance: $0\sim 2,000\text{lx}$
Digital input and output
USB Camera FPGA Processing
Relay output No voltage A

Millimeter-wave



New Webmate「真一郎」
(Prototype development ended)

Millimeter-wave radar
(Under development)



Millimeter-wave radar is
visualized by AI processing.



Camera specifications 5 million
pixel night vision support

Talking robot "Tona"



In
develo
pment



Built-in sensor and camera

Speechrecognition

Voice vocalization

Appearance (stuffed animal)

You can change the stuffed
animal.



Since it is a stuffed animal, it transforms into various characters.

Product 4. Website

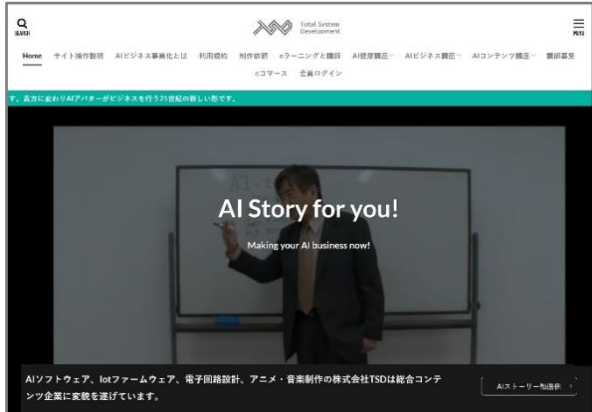
<https://ai-story.club/>



AI Story Commercialization Site DAO

<https://ai-story.club/aistory/>

<http://xs383865.xsrv.jp/aistor>



AI Certification Education Course \$49 a month

AI Business Practice Course \$88 a month

1. AI e-learning, qualification exams
2. AI trainer Reiko AI implementation
3. Sell learned data, templates

DAO General Member Admission fee \$500 month
AI Trainer Reiko Specification Free AI Training Free

Automatically join the AI story commercialization site (free). 40% of the profits must be returned to the DAO.

Telemedicine site

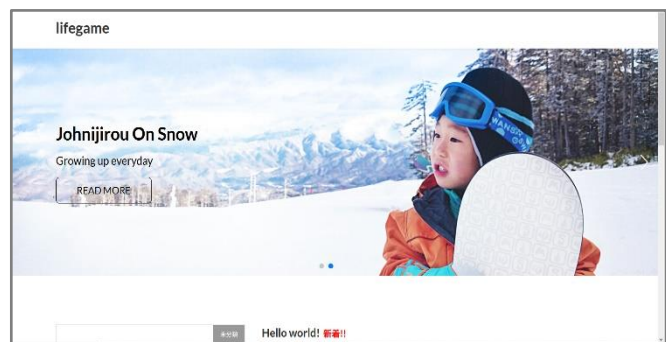
<https://telemedicine2020.com>



In the future, it will also be used for beauty, health, and anti-aging as a screening for regenerative medicine.

Game of Life

<http://lifegame.jp/>



We will role-play the way of life with AI. I will leave my biography and live forever.

<Other sites>

Tonaton.net <https://tonaton.net/> writes AI novels based on light novels.

AI avatar site <https://ai-avatar.net/> This is a metaverse visualized.

AI Port <https://aiport.site/> This introduces members' AI businesses.

Product 5. Textbooks and Books

AI Electronic Textbook Series



Sold Price \$385

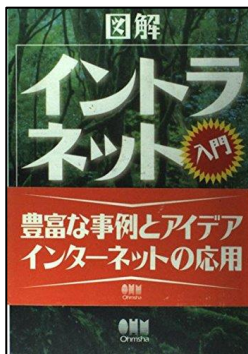
Part 1 ChatGPT, etc.

Part 2: AI Family Medicine

Part 3: AI Programming

* As of October 1, 2023, only Part 1 is sold.

Nobuyuki Oiwa Writings Series



Introduction to
Intranets
Handmade virtual
company
Friends novel
Picture books

AI Curriculum Content

- (1) E-learning: Self-learning with electronic textbooks and videos. It will be upgraded from time to time.
- (2) Web face-to-face training: Face-to-face training will be conducted using an electronic conference system such as Zoom.
- (3) AI qualification problem: Solve the 5 levels of qualification questions for Level 4~1 and instructor.
- (4) Posting of AI implementation business: Portal site (aiport.site).
- (5) Sales of AI products: Sell AI software and hardware. With e-commerce.

Future Developments

Sequential functions such as anime, health management, robots, text analysis, and autonomous driving

It will increase.

AI School FC deployment

Customization of AI education and implementation sites

AI Story Commercialization Site <https://ai-story.club/aistory/>

This is a site that qualifies and implements AI and commercializes it. We plan to customize and OEM to each country around the world. Please order. Contribute to the development of the world. In particular, AI education is very effective in the development of developing countries.

Types of members and membership fees (ex our company)

The unit is dollar

Site	Membership type	Fee	Note
AI Story Commercialization Site ※1	Trial	free	We help you learn AI.
	AI qualification	\$49	Get an AI qualification.
	AI Business	\$88	Conduct AI business.
	Expert Training	\$88	Conducted by web training.
AI Story DAO Site ※2	Volunteers	free	programming, etc.
	Startup members	end	Get a basic income.
	General members	\$500	\$5 monthly fee

Examples of membership fees This varies depending on the OEM.

Please decide for yourself.

AI Story Commercialization Site※1

The AI qualification education course does not use the web, so there is no monthly fee.
AI Business Practice Course Web usage fee included.

AI Monogatari DAO Site※2

Using AI software is free. A monthly fee will be charged from 550 yen from the time of use of the web depending on the usage capacity. Both sides will still be entitled to a basic income, paying 40% of their profits (about 20% of their sales) to the DAO.

**We will customize it according to
the circumstances of each country.**



Product OEM

It's your chance for a new product!

AI-related software

Starting with AI trainer Reiko, we provide all AI-related software.

AI Home Medical Software

AI home medicine "Eris", provides all AI sleep analysis related software.

AI hardware provided

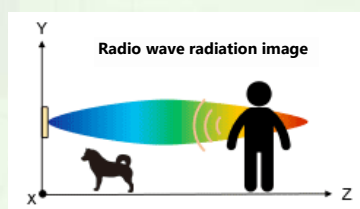
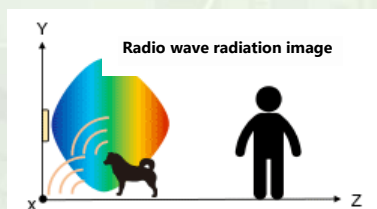
The hardware is currently being prototyped and revised. We can mass produce, but we do not have a sales route. We are developing the next product, but if there is a sales company that you want to handle, we will offer it under your brand. In previous examples, as in the example of our development, sales of Gakken, and a product called "Mighty Acid" manufactured by Tokai Rika Corporation, we can mass-produce from major companies in Japan to slightly cheaper mass production overseas, including legal approvals such as PL (Manufacturer's Responsibility).

Products in development

Monitoring device using millimeter-wave radar

Recognize the status of multiple humans and pets with a single device. Calculate your respiratory rate, heart rate, and check your Alive status. AI predicts the next stage of disease. We are planning to register one type of medical certification and nursing care products.

device



Position of the person



Talking Robot

It is a robot that watches over and manages the health of not only the elderly and the vulnerable, but also ordinary people. The appearance is made up of stuffed animals, so you can change them to different characters. You can also create an appearance to match your company's mascot character. In addition, since the robot functions as a server, it has the ability to check the health of family members on home TV or smartphone, and to telemedicine with a contracted doctor.



AI Family Medicine



Meetings and contracts

The talking robot not only speaks, but also manages the health of the family, watches over them with millimeter-wave radar, and prevents crime. On tax days, please order it as your new product.

General Distributor

You can have a distributor, you are a general distributor. Contract by classification by region and product type.

Distributors

You will be registered as a distributor after paying the distributor membership fee. It has the lowest partition and can have a distributor under your company. Please refer to the distributor agreement.

Distributors

A dealer purchases a specific product and is registered as a dealer. The dividers are clearly indicated in the product price list. Please refer to the dealer agreement.

OEM Contract

It is an OEM (original equipment manufacturer) contract for hardware and software products. It will be an exclusive sale, non-exclusive sale, a breakdown of rights, etc. We will make a contract for each product. Sites such as AI story commercialization sites can be translated as they are and exhibited overseas. Please inspect these as well.

Meeting

Initially, we will have a meeting by web conference, and at the contract stage, we will visit your company and have a meeting.

**Let's meet at a web
conference!**



Company Profile



■ Company name : Anshin Limited Company (founded in Showa 55 / Established in Showa 58: parent company) TSD Corporation (Affiliate: Established in Heisei 3)

■ Capital: Anshin (18 million yen), TSD (10 million yen)

■ CEO : Nobuyuki Oiwa E-mail oiwa@tsd.co.jp

■ Banks: Bank of -Mitsubishi UFJ, Aratamabashi Branch, Mizuho Bank Akasaka Branch

■ Address: 〒471-0803 Aichi-ken, Toyota-shi, Izumi-cho 1-6-3 / TEL 0565-89-3135

■ Major IT system suppliers (titles omitted, in no particular order)

Toyota Chubu Electric Power Research Institute Toyota Auto Body
Shinmei Industry Denso Daido Special Steel Fuji Xerox
Learning Research Company Nissan Motor (Zama Plant), etc.

■ Business history

May, Showa 55 PCB design: Design about 1,000 types of boards (3 people for 3 years)

September, Showa 55 Greenhouse measurement system **The first plant factory in ←**

February, Showa 56 Home video game console **← two years before the Nintendo**

December, Showa 57 NC control machine tool (coiling: Okuno Machine) developed.

August, Showa 58 Toyota System Development Co., Ltd. established

December Showa 58 Original injection molding machine measurement system developed
(Toyota Motor Tahara Plant: Toyotsu)

:

April 6 Mighty Science (Gakushukensha) **← OEM (Tokai Rika Manufacturing)**

September 6 VC/WINDOWS Map System (DUPLO Sales Sales)

:

August 10 New EC company established in Roppongi **← a little after Rakuten**

June 11 Participated in the establishment of Internet eBANK Bank (currently Rakuten Bank) (ITOCHU / Lehman) **← Oiwa idea**

:

April Reiwa 2 Medical telemedicine system "Eris" corona response operation started

Three years of Corona Leaving the office of Akasaka Mitsuke and moving mainly in Toyota City.

:

April Reiwa 5: AI story commercialization site and DAO AI story web started operation

販売代理店

Planning & Design Anshin Co., Ltd. TSD

Company Homepage <http://tsd.co.jp/>

Each AI story <https://ai-story.club/>

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