



PLAN P5

PRODUCT CATALOG

PROGRAM MANAGEMENT UNIT FOR COMPETITIVENESS





PRODUCT CATALOG

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"

Major limitations of promoting Science, Research and Innovation in the past

are the lack of system unity, fragmentation and redundancy, including the lack of linkage in policy and operational direction of research and innovation agencies of the country located in many government agencies at the ministry, department and office levels including the lack of linkage of policy and support for research and innovation with the sectors of producers, trade and services or users of research and innovation, resulting in a significant number of research and innovation products being further developed in terms of value both economically and socially.





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AGRICULTURAL INDUSTRY



SeaThru CURRENT: Precision Shrimp Farming at Your Fingertips

Revolutionize your shrimp farming with real-time monitoring and precision feeding powered by AI technology.



Compatible with your existing feeders, our system maximizes yield, reduces losses, and allows you to make informed decisions 24/7all without disrupting your operations.









Contacts

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PRICE

Machine cost About 50,000 baht/set And monthly membership fee About 6,000 baht/month



Dronebox

Dronebox is designed for everyone, from amateur to professional drone pilots. It's simple to use through a web browser in just three steps:







UPLOAD

PROCESS RECEIVE YOUR RESULTS



These results can include orthophotos or elevation models, which help you maximize the value of your drone images. Dronebox offers powerful features, including 2D/3D map visualization, distance measurement, area and volume calculation, contour lines, and map drawing tools, enabling you to elevate your aerial image analysis beyond

Dronebox -



" Map drawing tools, enabling you

to elevate your aerial image analysis beyond traditional methods "



Contacts

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PRICE

Pay-as-you-go: 900-3,750 Baht/project Monthly or yearly subscriptions, and licensing options are also available.



Damage to dried longan sorting machines



With a 800-1,200 k labor costs

With a production capacity of 800-1,200 kg/hr, this innovation reduces labor costs by approximately 30%

improves product quality, and adds value to dried longans, enhancing the global competitiveness of the Thai dried longan industry.



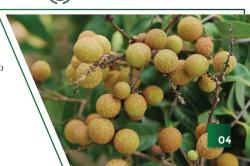
Contacts

AI INDUSTRIES CO., LTD.

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Advanced Sensors and Platforms will elevate your dairy farm operations with our artificial intelligence solutions, designed specifically for tropical regions. Our technology offers:



Precision Tracking: Highly accurate sensors monitor cow behavior to detect estrus for timely artificial insemination and identify potential health issues.

Health and Productivity Optimization: Reduce losses from health-related factors

Reduce losses from health-related factors and maximize artificial insemination opportunities.

Cost Efficiency: Lower expenses on animal feed, insemination, and treatments, while enhancing overall farm management.

Enhanced Efficiency: Leverage technology to streamline farm operations, boosting both productivity and efficiency.





Contacts

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MEDICAL INDUSTRY



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H3 3D Face Scanner

H3 3D Face Scanner

The H3 3D Face Scanner is a high-quality three-dimensional (3D) face scanner developed by Lumio 3D Co., Ltd. It utilizes 16 18-megapixel cameras and over 13,500 LED lights,





along with the intelligent software Lumio 3D: Beauty Designer. This technology is designed for use in cosmetic surgery clinics, allowing users to design their faces before surgery and improving communication between patients and doctors, making it more efficient, clear, and easy.



PRICE

Designer software. Designed specifically for cosmetic surgery clinics, the H3 3D Face Scanner enables precise facial design before surgery, enhancing communicationbetween patients and doctors. Experience a new level of clarity, efficiency, and ease in your cosmetic procedures.

Entrance Fee	Monthly Payment
***No Entrance Fee Contract for 3-6 month (2-3 Clinics)	69,000
190,000	45,000
290,000	39.000

Buy Option

Lumio 3D Scanner 1,531,000 Design face App for iPad



Free

- Scanner + LCD 24" touch screen + CPC
- Guarantee + Service + Maintenance + Version update

Contacts

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ROSS: Motion-assist Exosuit (Back support)

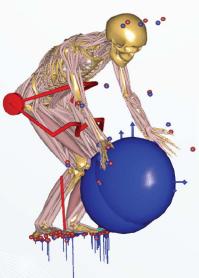
Product information



The Motion-Assist Exosuit (Back Support) is designed specifically for nursing personnel, including nurses, stretcher staff, and elderly caregivers.



This innovative device significantly reduces strain on your back muscles while you carry, lift, and turn patients.





The Motion-Assist Exosuit (Back Support) features a system that measures the wearer's movement data and utilizes artificial intelligence to monitor and predict abnormal movements.

ROSS



It is easy and quick to put on or take off and is primarily made from domestic materials.



Contacts

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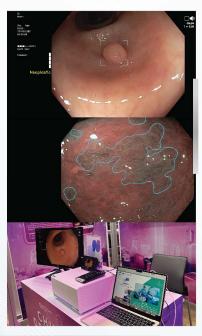


DeepGI:

Al-Assisted Solution for Real-Time **Gastrointestinal Abnormality Detection**

DeepGI: Al-Assisted Solution for Real-Time Gastrointestinal **Abnormality Detection**

The software is designed to detect abnormalities in the digestive tract, assisting medical personnel in diagnosing digestive system issues. It operates in real-time to identify abnormalities in real-time in two key organs:







Colon: Detects and characterizes polyps, classifying them into types, including neoplastic polyps with potential to develop into cancer and hyperplastic polyps with no such risk.



Gaster: Identifies areas with abnormalities that may become cancerous, called Gastric Intestinal Metaplasia (GIM).



Contacts

E.S.M. Solution Co., Ltd.





Peerapon Vateekul











OPA (93) PAIN

DIGITAL INDUSTRY







Meeting Transcription and Summarization Platform

Meeting transcription and summary services utilizing efficient and highly accurate Speech-to -Text and Natural Language Processing (NLP) technologies powered by Al.

System features

- Create Meeting Agenda and Assign Attendees: Define meeting topics, createagendas, and include other relevant information.
- ✓ Automatic Transcription and Summarization: Powered by AI, meeting minutes will be automatically generated using Speech-to-Text and NLP technology.
- Customizable Speaker Identification and Summarization: Create speaker identification models and text summarizations tailored to your organization's needs.



PANANA



Example of use

- Team meetings, both formal and informal
- HR & Recruitment
- ✓ Interview type Focused group
- Sales & Marketing
- Law Offices, Judges and Courts

Contacts

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Metal Valley

A fantasy adventure game that lets you play as a robot hunter, customize your robot. and complete missions to earn rewards.

The game uses Al and blockohain technology to create unique NFTs.











Supporting both PC and mobile platforms. It offers a challenging and unique experience in the digital world.





Contact

Extend Interactive Co., Ltd.



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Solar Panel Cleaning Robot



Product information

The Automatic Solar Panel Cleaning Robot is lightweight, durable, and compatible with various panel lengths.



Additionally, the robot features adjustable pressing distance, panel–skipping capability, edge detection sensors, and compatibility with various environmental sensors.





Interested companies are welcome to customize the robot designs for other cleaning applications.



Autonomous Robobot for PV Solar Cleaning Process and Its Translation into Marketing





Contact

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PRICE

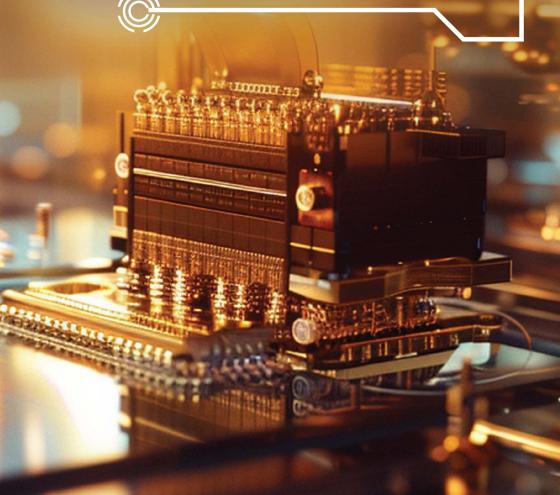
100,000 Baht for 2-meter module / 200,000 Baht for 4-meter module / 1.5 baht per square meter.







HIGH VALUE ELECTRONICS INDUSTRIES





Touch sensor embedded in laminated glass



Touch sensor embedded in laminated glass

Touch sensors embedded between two sheets of laminated glass can function as switches to control lights or other electronic devices



These sensors can detect touches from fingers, palms, or finger swipes on the glass. They can be seamlessly integrated into glass doors or decorative glass panels to enhance the functionality of smart glass.







Contacts

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PRICE

The price depends on the custom design.





Terahertz Technology Platform Features

The Terahertz Technology Platform develops Terahertz receivers and transmitters, including PCA optical conductive antennas (TeraAnt) for Terahertz spectroscopy, which is used to study and analyze material properties in the food and pharmaceutical industries.







TeraAnt-3-THz



TeraAnt-4-time domain spectroscopy

Additionally, the Metasurface signal booster plate (TeraBoost) has been developed to enhance 5G network applications by distributing signals to weak areas and can be designed to support 6G applications.

Highlights/Benefits Terahertz Technology Platform Features

1. Terahertz Transceiver PCA Optical Conductive Antenna (TeraAnt)

- Operates with a 780 nm pulsed laser.
- Has an operating frequency range of 0.1 to 3 terahertz and can transmit an average power of more than 50 microwatts

2. Metasurface Signal Booster Plate (TeraBoost)

- A communication signal receiver, modulator. and distributor that supports 5G communication.
- Capable of increasing signal power by up to 15 dB at 26 GHz.

Key Features/Benefits of the Terahertz **Technology Platform**

1. Terahertz PCA Transceiver Antenna (TeraAnt)

- Simple manufacturing process allows for mass production, resulting in low production costs.
- Performance is comparable to commercial devices.

2. Metasurface Signal Booster Plate (TeraBoost)

- ✓ Lower cost, lighter, and power-free.
- Reduces carbon emissions by lowering the overall power consumption of service providers' mobile network equipment.



Contacts

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PRICE

Dependent on the quantity of the workpiece or the cooperation agreement.

Contacts





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