

willkommen
bienvenue
welcome
shalom
aloha
dobrodošli
salve
ຍິນດີຕ້ອນຮັບ

merhaba, marhaban, tere tulemast, bine ați venit, accogliere, wellkumma, sveiki atvyke, xush kelibsiz, bon bini, välkommen, toivottaa fáilte, tervetuloa, bonavinuta, e komo mai, albergar kalos orisate, huan ying guang lin, selamat datang, malipayeng pagabot, gościć, recoger, bainvegni, bienvéni, wolkom, bonvenon, welkom, accipere, woezor, mirë se vjen, raxim itegez, irasshaimase, degemer mat, croesawu, hoan nghênh, accueillir, greet hwangyong hamnida, yindii ton rap, sannu dazuwa, maayong pag abot, ahlan wa sahan, bon juntu, maruhabaa, kaabo, laipni lüdzam, acolir, isten hozta ontvanger, weltasualuleg, baruch haba, ghini vinishi, siya namkela nonke, mu amuhezwi, talitali fiefia, mauya, tikilluarit, ennidos, swagatam, benvingut, menerima, välkomna, mabuhay, bienvenius, velkomin, witałcie, namaste, herzlich, welkommen, velkommen

OVERVIEW OF SCIENCE PARKS IN THAILAND

Where Innovation Grows



1 CENTRAL REGION

- Thailand Science Park
- The Eastern Economic Corridor of Innovation
- Software Park



THAILAND SCIENCE PARK (TSP)

Thailand Science Park (TSP) focuses on R&D in biotechnology, electronics, nanotechnology, and advanced materials, providing physical and virtual facilities for collaboration between universities, research institutes, and startups.

THE EASTERN ECONOMIC CORRIDOR OF INNOVATION (EECI)

EECI focus on conducting translational research, transferring advanced technologies to develop Thailand’s 10 targeted industries and high-tech startups, and build strong domestic and international R&D networks through “triple” and “quadruple helix” collaboration, supported by a complete innovation ecosystem of laboratories, living labs,

SOFTWARE PARK

Promotes software and IT development, including digital apps, AI, cybersecurity, and IT outsourcing, supporting startups and the digital ecosystem.

2 NORTHERN REGION

Northern Science park

- Chiang Mai University
- Maejo University
- University of Phayao
- Naresuan University
- Uttaradit Rajabhat University
- Pibulsongkram Rajabhat University



3 NORTHEASTERN REGION

Northeastern Science park

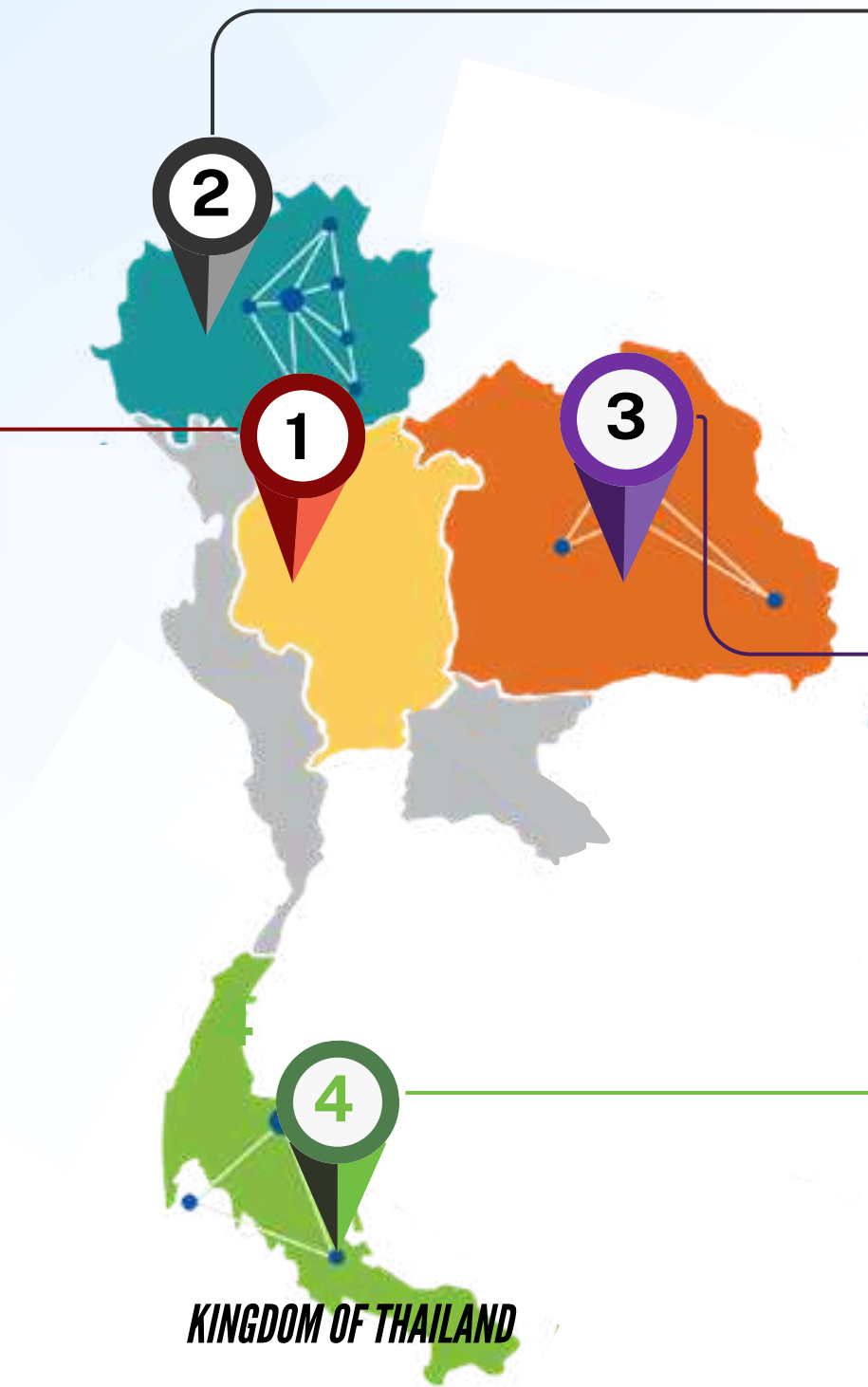
- Khon Kaen University
- Suranaree University of Technology
- Ubon Ratchathani University
- Mahasarakham University



4 SOUTHERN REGION

Southern Thailand Science Parks

- Prince of Songkla University
- Walailak University



LARGEST FULLY-INTEGRATED R&D HUB IN THAILAND



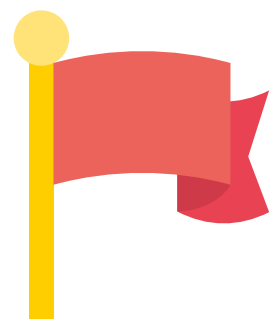
5 KEY OBJECTIVES

1. Build strong **collaboration** and **enable innovation**.
2. Encourage **cooperation** among R&D institutes, **public and private** sectors as well as **regional and international SPs**
3. Facilitate the transfer of **R&D knowledge** from the laboratory to **commercialization** by acting as a connecting provider.
4. Stimulate **industrial development** by conducting private sector R&D projects.
5. Strengthen the **capabilities of talented individuals**.



4 KEY GOALS

- Driving TSP companies to expand into **overseas markets**.
- Engaging regional and international partners to **support potential SP tenants**.
- **Attracting foreign companies** to establish a presence or conduct research within TSP.
- Enhancing the **innovation ecosystem** and creating **business opportunities**.



THAILAND SCIENCE PARK OVERVIEW

Where Innovation Grows



Strategic Location

- Nearby 2 S&T Universities, Hospitals, and 7 Industrial Parks
- 30 minutes' drive to Don Mueang International Airport

Company & Researcher

- 125 companies,
- 1/3 are foreign companies
- >3,000 full-time researchers to support R&D activities of TSP tenants.
- >1,000 researchers from TSP tenants.

Buildings

- A1 = Betagro Science Center
- A2 = SCG Building Materials Co.,Ltd.
- A3-A5 = National Quality Infrastructure, Testing & Standardization
- 5-7 & 16 = PILOT PLANTS



Where Innovation Grows



www.sciencepark.or.th



connex@nstda.or.th



THAILANDSCIENCEPARK

5 NATIONAL RESEARCH CENTERS - BIOTEC

Where Innovation Grows



National Center for Genetic Engineering and Biotechnology (BIOTEC)

Established in 1983, BIOTEC is Thailand's national biotechnology research institute under NSTDA. It drives biotechnology innovation to support industry, agriculture, healthcare, and environmental sustainability while strengthening Thailand's bioeconomy.

Key Research Focus

- Agricultural and crop biotechnology
- Food innovation and functional ingredients
- Medical and molecular biotechnology
- Bioproduct and biorefinery technology

Research Infrastructure Facilities

- 570 researchers and staff including 170 PhD scientists
- Advanced laboratories and pilot plants
- National biopharmaceutical manufacturing facility

Industry Collaboration

- Joint research and contract R&D
- Technology licensing and commercialization
- Technical consulting and specialized analytical services



5 NATIONAL RESEARCH CENTERS- NECTEC

Where Innovation Grows



National Electronics and Computer Technology Center (NECTEC)

NECTEC is Thailand's national research center for electronics, information technology, and digital innovation under NSTDA. It develops **advanced digital technologies** and bridges research and industry to support **Thailand's digital economy** and **smart industry development**.

Key Research Focus

- Artificial intelligence and data analytics
- Internet of Things and smart systems
- Electronics and embedded systems
- Digital platforms for smart city and smart industry

Research Infrastructure Facilities

- Advanced laboratories for electronics, sensors, and embedded systems
- NSTDA Supercomputer Center supporting high performance computing
- National digital technology testing and certification facilities

Industry Collaboration

- Joint R&D and technology transfer with industry partners
- Digital solutions for smart manufacturing and agriculture
- Development of smart city and digital service platforms



5 NATIONAL RESERACH CENTERS- ENTEC

Where Innovation Grows



The National Energy Technology Center (ENTECH)

ENTECH is Thailand's national research center for energy technology under NSTDA, serving as a focal point for developing **innovative energy solutions** that support Thailand's **sustainable energy transition** and **national energy strategy**.

Key Research Focus

- Renewable energy technologies such as solar, bioenergy, and wind
- Energy storage systems for transportation and power grids
- Energy efficiency and low carbon technologies
- Integrated energy systems and smart energy management

Research Infrastructure Facilities

- Advanced laboratories for energy materials and systems
- Pilot scale facilities for renewable energy and bioenergy technologies
- Energy system modelling and digital energy management platforms

Industry Collaboration

- Joint research and technology development with industry partners
- Energy technology deployment for renewable and smart energy systems
- Policy support and collaboration with national and international energy networks



5 NATIONAL RESEARCH CENTERS - MTEC

Where Innovation Grows



National Metal and Materials Technology Center (MTEC)

MTEC is Thailand's national research center for materials science and engineering under NSTDA. It develops advanced materials and manufacturing technologies to enhance industrial competitiveness and support high value industries.

Key Research Focus

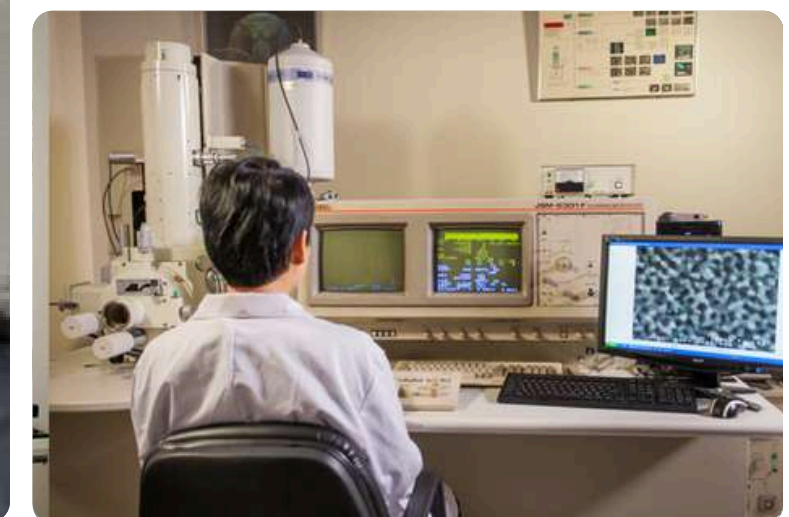
- Advanced materials and metallurgy
- Polymers, composites, and functional materials
- Materials engineering for automotive and manufacturing industries
- Materials testing, reliability, and product development

Research Infrastructure Facilities

- Advanced materials testing and characterization laboratories
- Pilot scale manufacturing and processing facilities
- Engineering design, materials analysis, and industrial prototyping platforms

Industry Collaboration

- Joint research and technology development with industry partners
- Energy technology deployment for renewable and smart energy systems
- Policy support and collaboration with national and international energy networks



5 NATIONAL RESEARCH CENTERS - NANOTEC

Where Innovation Grows



National Nanotechnology Center (NANOTEC)

NANOTEC is Thailand's national research center for nanotechnology under NSTDA. It develops nanoscale materials and technologies to support innovation in healthcare, agriculture, environmental solutions, and advanced industries.

Key Research Focus

- Nanomaterials and advanced functional materials
- Nanosensors and rapid health diagnostic technologies
- Nanotechnology for agriculture and food innovation
- Environmental and water quality technologies

Research Infrastructure Facilities

- Advanced nanomaterial characterization and testing laboratories
- ISO certified analytical and testing facilities
- Nanoparticle pilot production plant and formulation laboratories

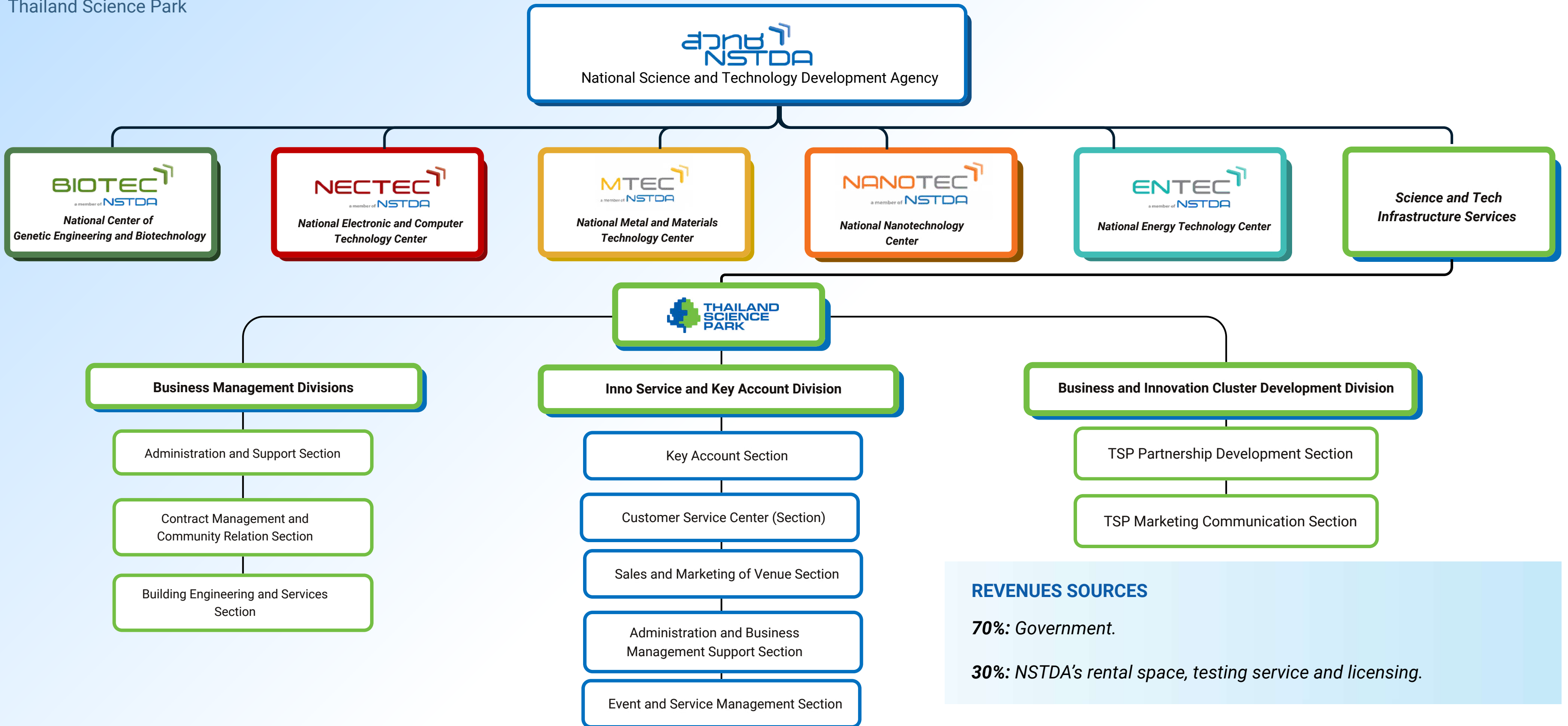
Industry Collaboration

- Contract and collaborative R&D with industry
- Technology transfer and licensing for nano enabled products
- Product testing, certification, and commercialization support=



INTERNAL STRUCTURAL

Thailand Science Park



REVENUES SOURCES

70%: Government.

30%: NSTDA's rental space, testing service and licensing.





NSTDA LABS



TESTING LABS



PILOT PLANTS



PLANT FACTORY



SUPER COMPUTER



CO-WORKING & VIRTUAL SPACE

Electrical and Electronic Products Testing Center - PTEC

Provides testing services for **electrical and electronic** products to ensure compliance with national and international standards, as well as offering equipment calibration, factory quality system certification, and training services.

NSTDA Characterization and Testing Service Center - NCTC

Offers **material characterization** and **quality testing** services to support R&D, innovation, and industrial product quality improvement.
Certified under ISO/IEC 17025.

NSTDA Fabrication Engineering Service Division - NFED

Provides design, prototyping, and fabrication services to support research, product development, and industrial innovation. Specialises in **Low Volume Production** to support industrial-scale customisation.



Toxicology and Bio Evaluation Service Center -TBES

Offers safety and biocompatibility testing services for **medical devices, health-related products**, cosmetics, supplements, and personal care products.

Industrial Ceramic and Houseware Product Testing Center - CTEC

Provides analytical and testing services for **ceramic and houseware products** and raw materials, in line with national and international standards.
Certified under ISO/IEC 17025 and recognized by Lucideon Ltd., UK.

NATIONAL QUALITY INFRASTRUCTURE - NQI

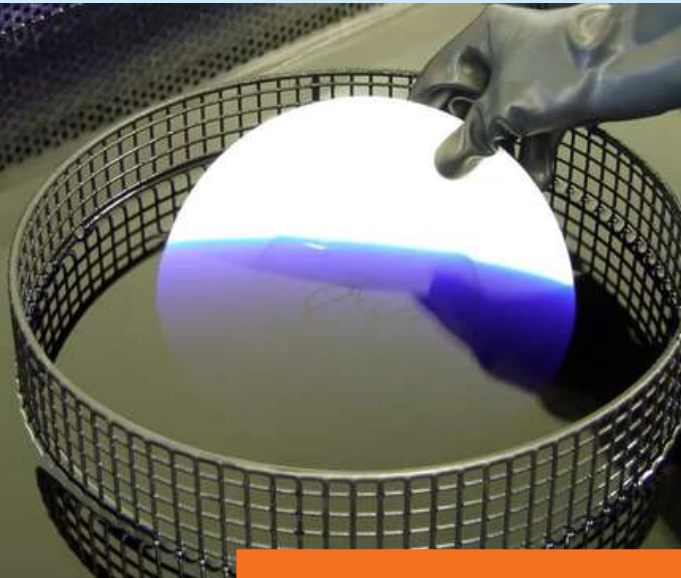
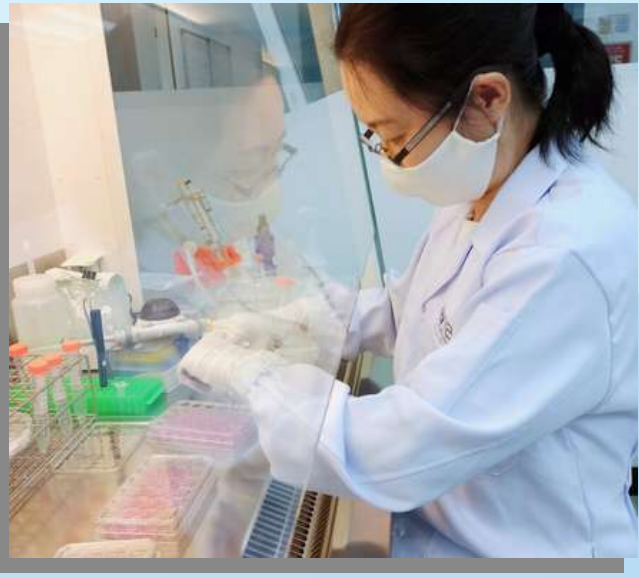
Thailand Science Park



PTEC



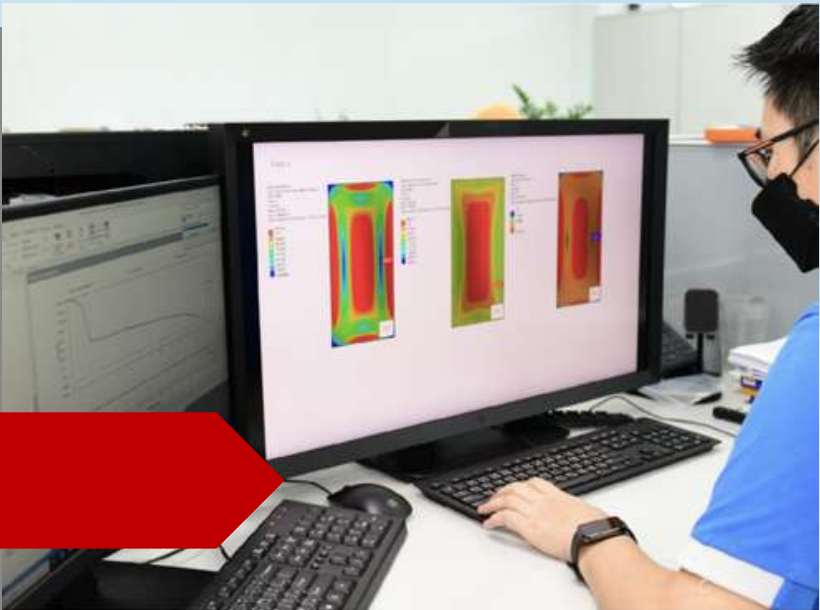
NCTC



CTEC



NFED



TBES



END TO END INNOVATION SUPPORT

Thailand Science Park



CONTRACT/JOINT RESEARCH



LICENSING



TESTING



RENTAL SPACE/ CO-WORKING SPACE

Where Innovation Grows



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THAILANDSCIENCEPARK

ADVANCED R&D FACILITIES

Thailand Science Park



MODULAR DESIGN

Specious with an adjustable layout.



SENSITIVE LAB

Sophisticated research with advance technology.



HEAVY EQUIPMENT AREA

Support the Installation of heavy equipment (2T/sqm).



CLEAN ROOM

Ultra-clean environment including electronic and medical related experiment.



CENTRAL TESTING LAB

High-performance equipment for advanced research and technical testing.





Advisory Clinic

Expert consultation on NSTDA services and innovation support, in collaboration with partner agencies within the Science Park ecosystem.



Open Innovation

Connecting business partners to explore new opportunities or expand to new markets via local and international networks.



Business Matching

Serving as a platform to communicate business needs and welcome collaboration in technology to accelerate innovation development.



Funding Support

Connecting businesses with funding sources.



Connect|Consult|Collaborate

Unlock opportunities through our **CONNEX**, designed to connect you with NSTDA, Thailand Science Park member, and a strong network of strategic partners making **collaboration easier and more impactful.**

"Innovation starts here"

"Innovation starts here"

THAILAND SCIENCE PARK TENANTS

Thailand Science Park



DIGITAL



AGRICULTURE



FOOD



HEALTH



OTHER



AUTOMOTIVE



ENERGY & CHEMICAL



MATERIALS



INSTITUTION



Companies at Thailand Science Park

Where Innovation Grows



www.sciencepark.or.th



connex@nstda.or.th



THAILANDSCIENCEPARK

INTERNATIONAL COMMUNITY IN TSP : AROUND 38%

Thailand Science Park



USA

1. ECOLAB Southeast Asia Technical Center
2. Zoetis (Thailand)
3. MacDermid (Thailand)
4. Specialty Electronic Material (Thailand)
5. Cargill Meats (Thailand) Limited
6. Teradyne Thailand Limited



GERMANY

1. Emsland Asia Food Innovation
2. TUV SUD (Thailand)
3. IKA Works (Thailand)
4. Phytoplanta Asia Co., Ltd.
5. TUV Nord (Thailand)
6. Atotech (Thailand)



FRANCE

BVAQ



CHINA

1. Logflows (Thailand) Co.,Ltd.
2. NEWOCEAN INTERNATIONAL TRADING LIMITED



SPAIN

RPD (Thailand)



NETHERLANDS

DSM Nutritional Products Thailand



SINGAPORE

1. Austrianova (Thailand)
2. CREST Water



MALAYSIA

Taisei Lamick Malaysia SDN. BHD



JAPAN

1. JEOL Asean Technical Center
2. National Univ.Corp.Tokyo Institute of Technology
3. Polyplastics Asean Technical Solution Center
4. Shimadzu Bara Technical Center
5. Sumitomo Rubber Industries
6. Taisei- Kogyo(Thailand)
7. The e-ASIA JRP Secretariat Office*
8. Nakashima Medical Technical Center
9. JASTIP
10. Lion (Thailand)
11. Keyence (Thailand)
12. Yamamori Trading
13. Suntory Beverage and Food (Thailand)
14. Teijin Frontier
15. Amano Enzyme Asia Pacific
16. KEWPIE (Thailand) R&D Center
17. Ajinomoto (Thailand)
18. IHI Asia Pacific (Thailand) Co., Ltd.
19. Thai OLBA Healthcare Co.,Ltd.
20. KANEKA (THAILAND)



TAIWAN

Bio Talk Technology (Thailand)



AUSTRALIA

1. DSP Comm (Thailand)
2. Pharmamark Nutrition (Thailand)



DRIVING COLLABORATION THROUGH TSP'S PUSH & PULL MODEL

Thailand Science Park



PULL MODEL



Activities: Open house at Thailand Science Park

Showcase technologies and services from research centres and tenants and also create space for engagement.

Collaboration Highlights & Impact

Agri-food Community @ TSP

TSP tenants collaborated with **Taisei Lamick Asia** (Malaysia), **TUV NORD** (Germany), and **Siam Modified Starch** (Thailand), showcasing innovations to the wider agri-food community.

7 collaboration projects launched between tenants and TSP research centers

10+ external companies attended; while no projects followed, TSP acted as a gateway for first connections and knowledge exchange.

PUSH MODEL

Activities: Open innovation at Thailand Science Park

Identify technology or product development challenges from tenants, and match them with NSTDA experts, facilities, and partner networks.

Success Story: Teijin Frontier Co., Ltd. (Japan)

Theme: Development of sustainable production methods for natural microfibers, with a focus on pineapple fibers.

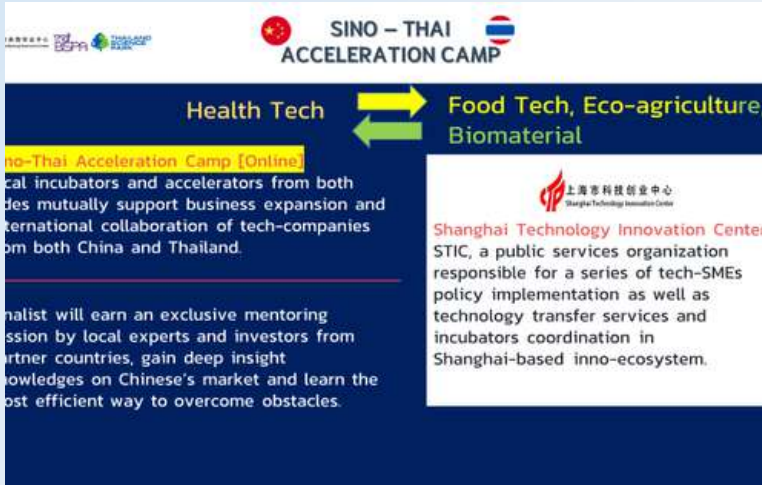
Impact: 14 collaboration projects involving research centers, external companies, and universities.

After over 3 years of material exploration, the Japanese HQ approved the establishment of a new pineapple fiber production plant in Thailand (outside TSP).



BUSINESS MATCHING (2019-2024)

Thai Entrepreneurs to match business



21 Events
510 Companies

2019-2024



INBOUND OPPORTUNITIES

Thailand Science Park



Inbound Activities

Hosting a seminar and partnership collaboration session to enhancing an opportunities for international tenant to expand to TSP.

Close Collaboration (TSP x HKETO)

Matched over **10 Hong Kong companies** with **TSP tenants** and **partners** to expand into Thailand one has since become our tenant in close collaboration with **HKETO** and **Invest HK**.

Webinar (TSP x Cyberport)

"Pathway to Thailand" attracted over **40 startups** from Hong Kong, serving as a business networking platform between the two organizations and fostering investment opportunities for digital startups in Thailand.



OUTBOUND OPPORTUNITIES

Thailand Science Park

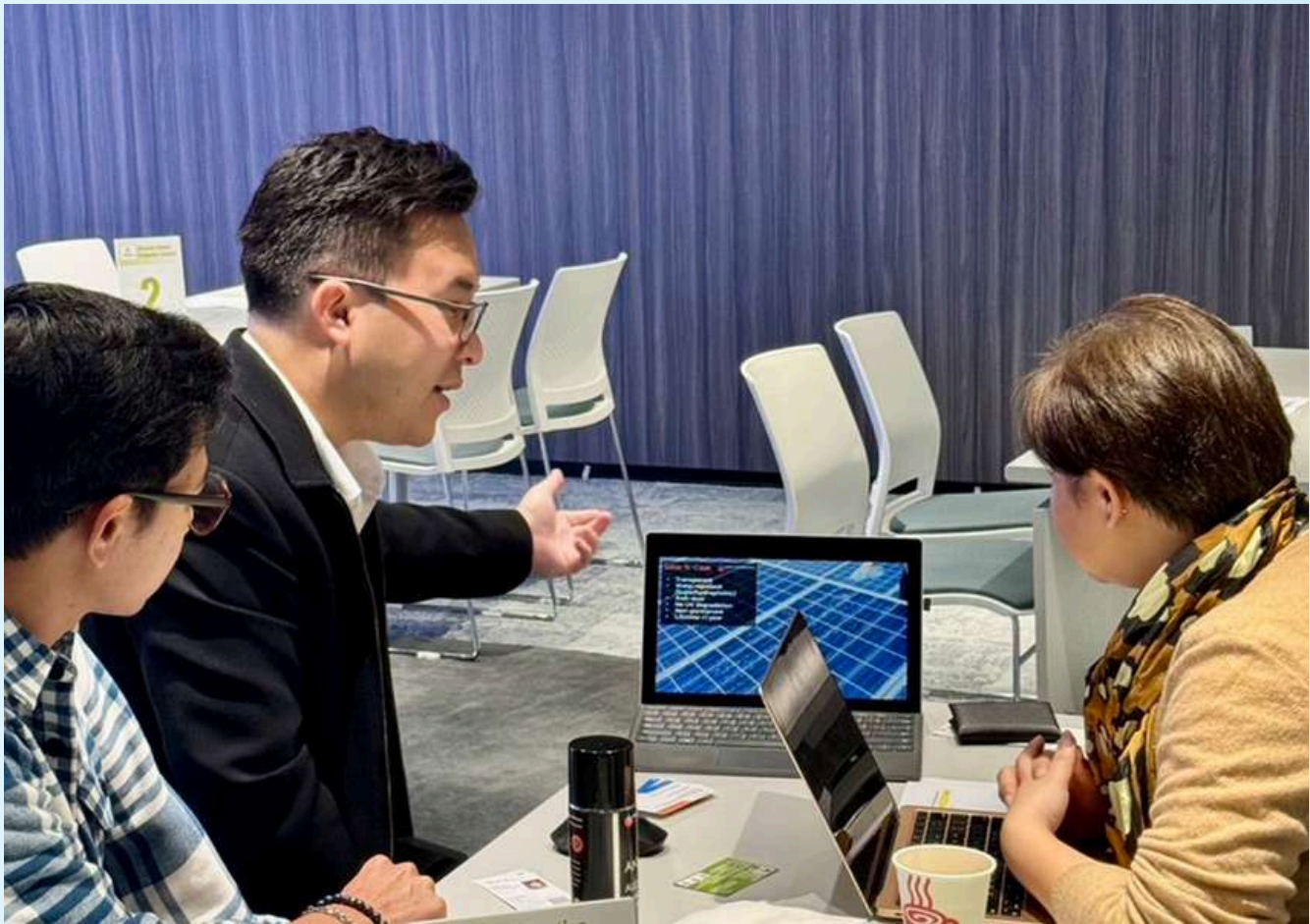


Outbound Activities

Through the collaboration and partnership TSP provide an opportunities for tenant in expanding to international market

Partnership with Hong Kong Science and Technology Park (HKSTP): **Identifying potential tenants** to participate in the **Idea Landing Programs**.

Additional Collaboration Programs: Joint initiatives with HKSTP, Cyberport, and Qianhai E-hub to support tenant growth and international exposure.



STRATEGIC PARTNERSHIPS: EMBASSY OF DENMARK

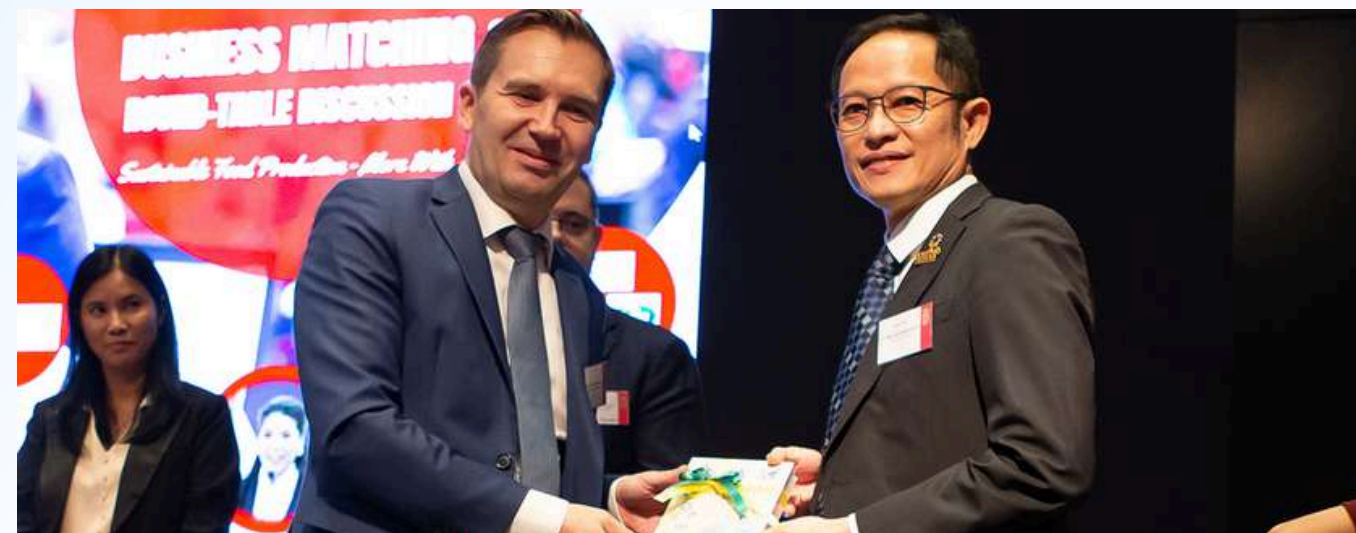
Thailand Science Park



Collaborate on Event

Royal Danish Embassy and TSP Collaborating

- **Business Matching** between **12 Food & Livestock Danish Companies** and TSP members
- **Networking event** among Thai companies, Danish companies, and other government organizations in Denmark



INTERNATIONAL UNIVERSITIES COLLABORATION

Thailand Science Park



Hong Kong University of Science and Technology
(HKUST)

Joint Workshop

Boosting the collaboration with international university in having a potential tenant conducting a workshop with student.

This years (Business case collaboration)

Egg Bites (TSP Member)

Tasted Better (TSP Member)

Previous year (MSCMARK 558)

Nano Coating (TSP Tennent)



HOSTING AN INTERNATIONAL CONFERENCE

Thailand Science Park



The ASPA Annual Conference is Asia’s leading platform for science parks to connect, collaborate, and exchange knowledge through thematic sessions, strategic networking, and high-level engagement. In its 28th edition, Thailand Science Park is honored to host this milestone event, bringing together regional leaders and global experts to explore how science parks can accelerate ESG advancement and drive innovation-led growth across the region.

Outcome:

- **80% positive feedback from participants**, reflecting strong satisfaction with the program design, content relevance, and overall coordination.
- **Strengthened cross-border collaboration** among science parks across Asia and beyond, opening new pathways for joint research, startup support, and knowledge exchange.
- **Effective framework and ideation** sharing through thematic sessions, with practical insights that can be translated into real-world action to accelerate and strengthen the innovation ecosystem.



302 Participants
With at least 30% International



13 Countries
2 Special Economic Zones



With 13 Session
and more than 15 Speakers



HOSTING AN INTERNATIONAL CONFERENCE

Thailand Science Park



28TH ASPA ANNUAL CONFERENCE
03 - 06, NOVEMBER 2025



SCAN TO CHECK
THE CONFERENCE HIGHLIGHTS



INTERNATIONAL DELEGATES

Thailand Science Park



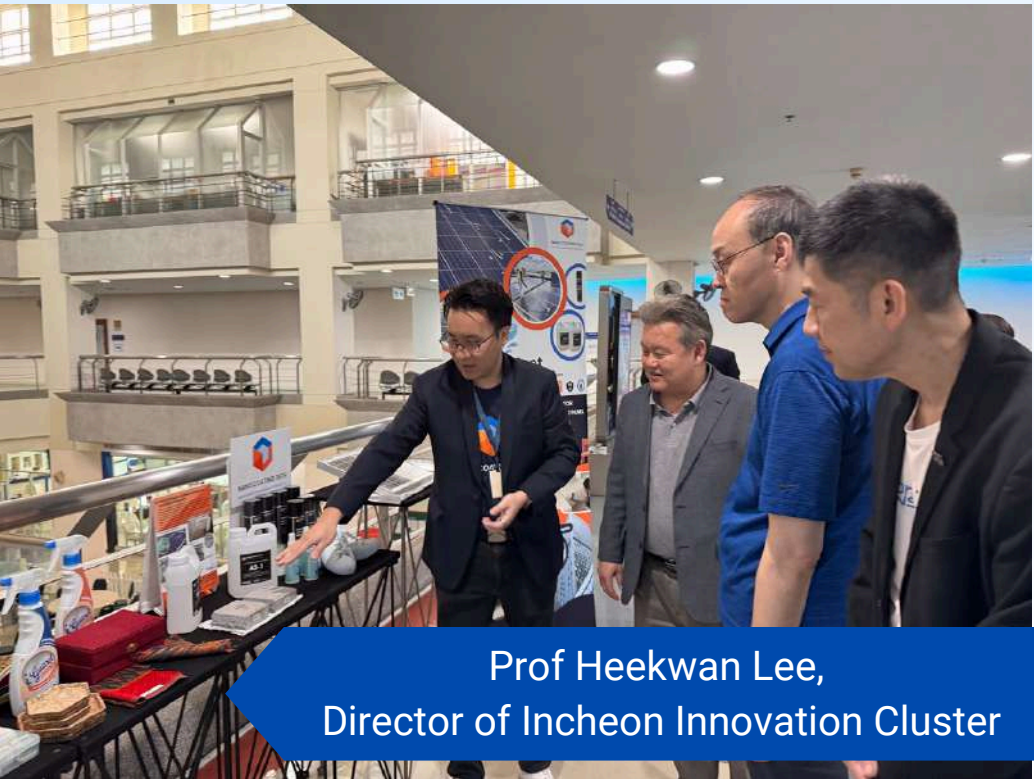
ASPA Delegation



Mr. Phillipe, CEO of Sophia Antipolis



Delegations from Mainland China



Prof Heekwan Lee,
Director of Incheon Innovation Cluster



BOI PRIVILEGES & INCENTIVES

Thailand Science Park



-  **01** Import **Tax Exemption for Machineries**
-  **02** Corporate Income **Tax Exemption for 8 Years**
-  **03** **50% Corporate Income Tax Reduction for 5 more years** after Tax Exemption Period Ends
-  **04** Exemption from corporate income tax **(no limit)** – as determined by BOI.
-  **05** **Work Permit and Visa** Facilitation for Foreign Specialists and Researchers
-  **06** Revenues from **selling R&D** products get same **tax exemption**



WHY THAILAND SCIENCE PARK?

Testimonials



POLYPLASTICS MARKETING CO., LTD.

Even though Polyplastics' factory is in Malaysia, Thailand offers many strengths and advantages, making it the **ideal location for our Asian Technical Solution Center**. We considered several options but concluded that leasing space at Thailand Science Park was the best fit. Over the past 15 years, we have **built state-of-the-art R&D infrastructure**, leveraged Thailand's skilled and service-minded workforce, and strengthened our **network with partners**. This allows us to support clients not only across ASEAN but globally, while maintaining a professional environment and strong relationships with NSTDA and other stakeholders.

INTERNATIONAL ENTERPRISE

Mr. Ratcharoj Charoensak
Head of Technical Affairs, ASEAN Region

C-MED MEDICAL CO., LTD.

"We chose to locate at NSTDA because we needed cooperation from the government, **namely NSTDA and Thammasat University**". Thiraphong says he made the right choice by choosing the company's location in the Thailand Science Park, **a one-stop shop for entrepreneurs**. It offers everything from **research centers, testing centers, laboratories, experts, consulting teams, and easy access to funding**.

START UP

Thiraphong Samut-atthak
CEO

AMANO ENZYME ASIA PACIFIC CO., LTD.

This location boasts **well-equipped infrastructure and R&D facilities**, and is **close to national research centers, universities, and private R&D companies**. This enhances our competitive advantage and provides a strong innovation ecosystem that stimulates our employees to generate new ideas. Thailand also has great market potential, and NSTDA **supports us with seminars, exhibitions**, and an account manager who helps whenever we need assistance. Since we've been here, we've gained valuable connections and opportunities to collaborate and innovate.

INTERNATIONAL ENTERPRISE

Mr. Ramasamy Purusotman
Director of Global Market Development

<https://www.sciencepark.or.th/th>



WHY THAILAND SCIENCE PARK?

Testimonials



BGC'S TECHNOLOGY AND INNOVATION CENTER (TIC)

BGC chose Thailand Science Park for its **strategic location, access to top R&D experts**, and a strong **network** with strategic partners like NSTDA, MTEC, and BIOTEC. The center serves as a **hub of testing labs and standardization**, equipped with state-of-the-art R&D infrastructure to develop sustainable packaging, including lighter, stronger glass bottles and products from recycled materials. Being here strengthens our reputation, **provides potential BOI privileges**, and offers an excellent quality of life with coworking and collaboration spaces that inspire innovation.

LARGE LOCAL ENTERPRISE

Dr. Orathida Saekow
Manager

LION (THAILAND) CO., LTD.

NSTDA is our hub and **knowledge ecosystem**, connecting us with specialized partners like TISTR, KMUTT, SUT, and the Synchrotron Light Research Institute to accelerate R&D. Its **strategic location, surrounded by industrial estates and small-scale manufacturing**, allows us to quickly test, scale, and commercialize products. With state-of-the-art infrastructure and access to multiple agencies in one place, we can move faster and smarter. Services such as the Thai Innovation Register and **200% R&D tax deductions** further strengthen our ability to deliver differentiated products, build trust, and lead in the market.

LARGE LOCAL ENTERPRISE

Mr. Chuchee Apirug
Research & Development Department Manager

AI9 CO., LTD.

“With NSTDA’s **funding and support**, AI9 has expanded its AI transcription system to 10 government agencies, promoted national AI adoption, and **connected with new partners** through NSTDA and NECTEC events. Since moving to Thailand Science Park in 2022, we’ve enjoyed a **vibrant ecosystem, excellent living conditions**, and convenient transport—creating the perfect environment for our growth.”

START UP

Dr. Chuchai Harichaisak
CEO

<https://www.sciencepark.or.th/th>



TSP serves as Thailand’s flagship innovation ecosystem, bridging government research, academia, and industry to turbocharge tech development. It offers global firms and startups a secure, resource-rich environment plus robust incentives to collaborate, grow, and commercialize new technologies.

Enterprises
125+
NEARLY 40% INTERNATIONALS

 **125+**
Tech Companies

 **545+**
Commercialized Projects

 **818+**
R&D Projects

 **1,738+**
RDDE Personnel

In 2025, Thailand Science Park achieved significant milestones, hosting 125+ technology companies, facilitating 545+ commercialized projects, supporting 818+ R&D projects, and employing over 1,738 RDDE personnel.

WHY THAILAND SCIENCE PARK?

- Strategic Location
- Robust Innovation Ecosystem
- Pool of R&D Experts, Testing Labs, and Standardization
- Strong Network with Strategic Partners
- Excellent Quality of Life



TSP

Our mission is to cultivate an innovation ecosystem that bridges government entities with private enterprises, fostering the creation of cutting-edge technology businesses.



MORE THAN
3,000

Full time researchers



800+
PHD LEVEL

NATIONAL RESEARCH CENTERS

