

Industry, Science and Technology International Strategy Center

Inspire science-technology innovation and value-up for Taiwan industries



Our Service



01

Acts as a government's think tank serving key industries, ISTI assists in analyzing and forming industrial development policy.

Success Cases

- Formulated development strategy for high value added industries
- Developed commercialization strategies of innovative applications for smart cities

02

Participates in international networks, connecting Taiwan industries to international innovative technology R&D ecosystems.

Success Cases

- Helped in UK-Taiwan Innovative Industry Program
- Assisted foreign companies to establish demo sites in Taiwan

03

Researches advanced technology development trends of the major industries and provide strategic advice.

Success Cases

- ITRI 2030 Technology Strategy & Roadmap
- Value creation for smart long-term care

04

Provides contract consulting services through its professional industry research team, each custom made, for domestic and foreign entities

Success Cases

- Provided resources utilization efficiency and factory investment benefit evaluation
- Drafted industrial association white paper and advisory reports

05

Has developed a professional industrial intelligence platform that provides industry intelligence service to the industry, academia and research institutes

Success Cases

- Offering IEKNet Industry Intelligence Network
- Providing various publications and seminars

Collaborated with IEEE

“2030 Advanced Technology from an Asian Perspective”,
IEEE Computer Society,
2019/03

Introduction

Backed by ITRI's Industrial Innovative R&D capabilities, ISTI was launched in 2018

- Established in 1973, the Industrial Technology Research Institute (ITRI) is a world-class applied technology R&D institute with more than 6,000 employees. It has been commissioned to conduct scientific and technological R&D, drive industrial development, create economic value and enhance social welfare. Since its inception, it has garnered more than 29,000 patents, incubated around 300 companies to accelerate the growth of Taiwan's industry.
- Facing the ever-changing international landscape of emerging technology and innovation, the Industry, Science and Technology International Strategy Center (ISTI) was formed in August in 2018 to cope with such challenges. This newly established entity, backed by ITRI's R&D strength, has assembled a group of experts specialized in diverse industrial sectors to provide a consultation service and promote international collaboration. With its knowledge base accumulated through decades of experience in serving the government and various industries, ISTI is expected to spearhead Taiwan's efforts to reach out to global innovative ecosystems, enabling Taiwan's industry to become players in the foresight technology market.

2025 Vision

Inspire science-technology innovation and value-up for Taiwan industries

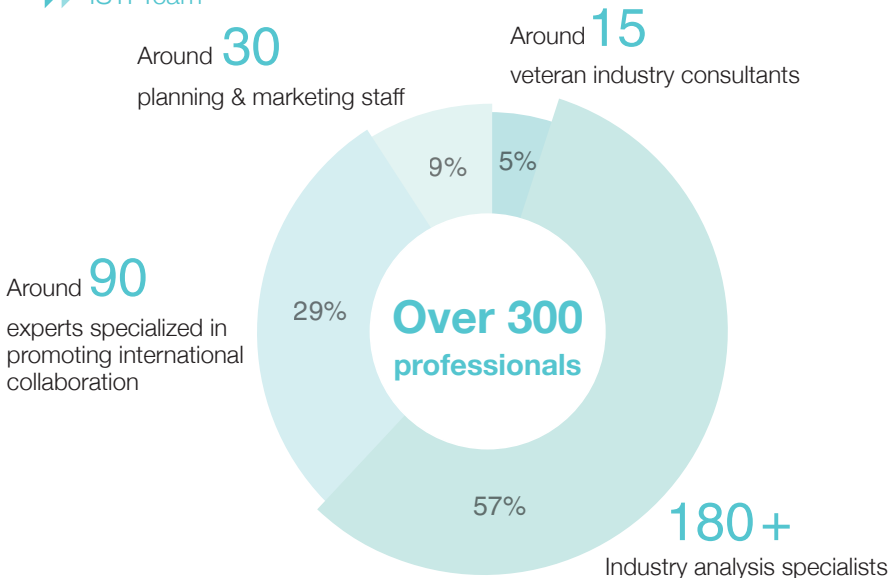
- Under the auspices of such a vision, ISTI has been tasked to get involved in :
 - Technology scouting: scouting foresight technologies and looking out for emerging markets
 - Ecosystem networking: reaching out and connecting with global innovation ecosystems
 - Strategic partnering: forming alliances with strategic R&D partners to create a better future
 - Capability boosting: elevating the overall innovative technology R&D capabilities of industry, academia and research institutes

By strengthening our capabilities, we aim to support the ITRI's "2030 Technology Strategy & Roadmap" with three major application domains: Smart Living, Quality Health, and Sustainable Environment, following by Intelligentization Enabling Technologies for boosting multiple applications. Therefore, we can step forward to value-up for Taiwan industries.

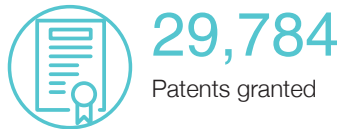
Team Overview

ISTI lineups

ISTI Team



Backed by ITRI's R&D Resources



Statistics as of November. 2020

Scope of Research

Wide-ranging Research Areas

- Provides advices in industrial technologies, products, markets, structures and value chain development
- Successfully developed unique methods for industrial analysis, such as IEK-CQM Trend forecast model, Industry cluster and future scenario analysis



Electronics

- Digital technology applications
- Telecommunication
- Smart IoT
- System LSI & process
- Components



Machinery

- Intelligent machinery
- Manufacturing systems
- Intelligent vehicles



Lifestyle & Biomedical

- Biotech & Medicine
- Medical devices
- Healthcare
- Consumer research



Materials & Chemicals

- Chemical Industry Research
- Materials Industry research



Industrial Policy

- Regional Research
- SME Research
- Industry ecosystem
- Industry competition and innovation



Energy

- Energy conservation technology
- Renewable energy industry



Interdisciplinary Research

- Artificial intelligence
- Smart energy
- Circular economy
- Foresight technology strategy

International Business

Connecting Global Networks to Boost International Collaborations

ISTI endeavors to

- promote international business by matching prospective partners and removing investment roadblocks
- form strategic alliances with global science and technology institutions as well as ecosystems

Operating Cooperation Platform

- Government to Government
- Institution to institution

Commercializing Innovative Technologies

- Leveraging international capability to realize the results of innovative technology research

Driving R&D Collaboration

- Conducting joint research
- Providing contract research
- Helping foreign companies to conduct innovative R&D in Taiwan

Honing R&D Results Overseas

- Conducting joint pilot tests in overseas sites

- Established in 2018, ISTI was formed by consolidating the former Industrial Economics and Knowledge Center (IEK) and the ITRI International Center (IIC). In continuation of a decade's experience in providing industry intelligence, the brand name "IEK Consulting" is retained as the major player in providing industry economic and knowledge consulting service.
- In addition to serving a multitude of customers in Taiwan and overseas with e-reports and presentations, IEK Consulting will further its services with databanks, videos, forums, consulting and contract research. With far reaching, easily accessible and smart services, ISTI will provide more insightful and comprehensive industrial intelligent service models with an international view to guide local industry in their efforts to enhance their value-added and boost global competitiveness.

IEKNet

- An effective tool for keeping up with the industry development in a timely fashion.
- Having been established over 15 years, IEKNet is the most experienced among its peers in Taiwan. As a professional industrial intelligence platform, it provides the most resources and serves most diverse customers.



IEKNet APP

