

### Management philosophy

As a TLO (Technology Transfer Organization) accredited and approved by the Ministry of Education, Culture, Sports, Science and Technology and the Ministry of Economy, Trade and Industry, Campus Create conducts technology transfer management projects to match the needs of universities and companies.

At the same time, as a solution business, we will respond promptly and in the best manner to customer inquiries and provide you with a service to decide.

### Quality target

A Technology Transfer Organization (TLO) that provides services that earn the trust and satisfaction of customers.

### Corporate profile

Company name	<b>CAMPUS CREATE Co., Ltd.</b>		
Capital	81,600,000 yen	(increased in November 2007)	
Established	September 1999		
Approved	February 2003 * Approved TLO (METI / MEXT) * Approved TLO (MEXT)		
Shareholders	A total of 129 shareholders, including the University of Electro-Communications teachers and graduates		
Employees	45 employees		
Officer	Director and Chairman <b>Makoto Kajitani</b> (part-time)	Corporate Auditor <b>Tetsuya Miki</b> (part-time)	
	President and Representative Director <b>Megumi Takahashi</b> (full-time)	Corporate Auditor <b>Nobuo Yamamori</b> (part-time)	
	Managing Director <b>Li YingYu</b> (full-time)		
	Managing Director <b>Makoto Sudo</b> (full-time)		

### Activity base

Chofu Office	The Center for Industry-Academia-Government Collaboration, the University of Electro-Communications, 1-5-1 Chofugaoka, Chofu City, Tokyo Metropolitan, 182-8585 TEL : 042-490-5734 FAX : 042-490-5727
Shenzhen, China	<b>CAMPUSCREATE (SHENZHEN) CO., LTD.</b> Room A305, Shenzhen Virtual University Park, R4 Building, No.239, GaoXin NanSiDao, Hi-tech Industrial Park, Nanshan District, Shenzhen, TEL:0755-26990484/13145907816

Realization of Open Innovation 2.0 (TLOI 2.0), a technology transfer version, in which a consortium works on technology transfer and social implementation of seeds



Technology Licensing Open Innovation 2.0

### 【TLOI2.0】

As a TLO located in Japan, TLO will transfer the advanced technology seeds of universities to companies. TLOI2.0 (Technology Licensing Open Innovation 2.0), which is a consortium for the above activities, is a unique model. We are working closely with a variety of producers and organizations both inside and outside the Company to carry out such activities as patent examination, licensing, R & D management, and social implementation of patents invented by researchers at universities and other institutions.

# Global Open Innovation Hub

## Centered on International Collaboration with Japanese Universities

If you (Overseas companies) are interested in industry-academia-government collaboration, business-to-business collaboration, or technology introduction with Japanese universities or companies, please consult us.

Global Alliance Spiral Produced by TLO in Japan



**CAMPUS CREATE Co., Ltd.**

**As a University of Electro-Communications TLO and wide-area TLO, we have the following strengths**

- Extensive experience in industry-academia-government collaboration both in Japan and overseas
- Located in the Tokyo metropolitan area
- Industry-academia-government collaboration / open innovation personnel
- Technology transfer / R & D management know-how
- Independent management (neutral position and free activities)

**Technology Transfer Promotion Consortium in the Tokyo Metropolitan Area (Technology Transfer Open Innovation 2.0)**

—Capabilities that are our strengths and that are fundamentally strengthened by forming a consortium of technology transfer activities (Significant enhancement of 3 functions required for technology transfer)—

- Global power
- Intellectual property strategy platform
- Practical application promotion talent pool (inside and outside)

**University research institute**  
(Alliance \* Including local universities)

**Cooperation**  
(Provision of promising seeds)

**Strategic alliances partners to realize this concept**  
(Initiative and Cooperation for Implementation)

**Institute OSTI**

Experts on the formation of an industry-academia-government financial ecosystem  
(Based on the track record and know-how of the Regional Innovation Cluster Program in the Kyushu region and the semiconductor field)

Key collaborative networks based on trust

Japan Europe and America India China ASEAN

Diverse group of producers

**Cooperation**  
(Technology transfer / social implementation)

Activities as an innovation engine for social implementation of university intellectual property

**Major Target Group for Expanding Cooperation**

- Innovator in various industries
- Financial institutions and VC
- Trade associations and trading companies (domestic and overseas)
- Regional support organization

**Cooperation with public support projects**

- Support for research and development
- Support for the creation of university ventures

**Proposals to Companies**

Patent licensing and joint research / practical application management / dissemination support

**Exits**

- Increased licensing of university patents
- Promotion of joint research
- Launch university ventures based on "truly excellent research seeds"

CAMPUS CREATE Co., Ltd. (The University of Electro-Communications TLO and wide-area TLO) coordinates advanced global open innovation based on the trust relationship between foreign companies and Japanese universities.



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# We will support globally for technology development strategies and alliances in Japan

We will coordinate global open innovation as National University Corporation the University of Electro-Communications (TLO) and regional TLO.

## Global open innovation support service menu (example)

### International joint research efforts

•We will support coordination of joint research and development with Japanese universities. We will respond consistently from the formulation of R & D themes to the proposal of partners and the management of progress management.

### Research and utilization of advanced technologies

•We will collect information on the technological seeds of R & D at Japanese universities, and investigate trends in advanced technologies and markets. In addition, collaboration support will be provided for the search and utilization of patents for advanced technologies for which international applications have been filed.

### Utilization of technical personnel

•We will provide proposals and support for the utilization of human resources, such as the recruitment of excellent technical personnel and technical guidance. For example, a person who has knowledge of technology standardization strategy, factory quality control, and R & D planning.

### Business alliance

•We can provide consultation on alliances with Japanese companies and start-ups (development cooperation, market development, M & A, etc.). We will support the creation of co-creation relationships that are smooth and mutually reliable even in different cultures and values.

### Opening a base in Japan

•We will help to establish a research and development base / activity base in Japan, and support efforts to strengthen strategic cooperation and technology development with Japanese universities, research institutes, large enterprises, start-ups, etc., from the establishment of the corporation.

**Example** For example, if you want to engage in "international joint research and development" with a Japanese university, the following approaches can be considered. (Matching with Japanese start-ups and university ventures is also possible.)

<b>Representative Needs Example</b>	<b>R &amp; D staff at overseas companies</b> "In order to strengthen our technology development strategy, we would like to launch a project that utilizes the advanced research results of Japanese universities."			
<b>Phase</b>	<b>Investigation and examination</b>	<b>Study of research themes</b>	<b>Establishment of a matching / cooperation system</b>	<b>Project Start</b>
<b>Example of a person in charge</b>	<ul style="list-style-type: none"> <li>•I hope that Japanese universities are conducting advanced research.</li> <li>•It is not known specifically what kind of research is being conducted.</li> <li>•I don't know which organization to consult.</li> </ul>	<ul style="list-style-type: none"> <li>•I am having a hard time making a project proposal using technology seeds.</li> <li>•Since I don't know who the researcher of the technology seeds is, it is hard to imagine carrying out a joint research project.</li> </ul>	<ul style="list-style-type: none"> <li>•Since I have never done joint research with a Japanese university, I don't know how to work out the details of the schedule, deliverables, rights, and roles with the researchers.</li> </ul>	<ul style="list-style-type: none"> <li>•Due to the location, it is difficult to check the progress of research.</li> <li>•Worry about technical / business planning issues during the project.</li> </ul>
<b>Examples of our support services</b>	<ul style="list-style-type: none"> <li>•Research researchers who can solve specific technical needs.</li> <li>•Comprehensive research on technological seeds in specific technical fields when considering new projects.</li> </ul>	<ul style="list-style-type: none"> <li>•We propose a project concept based on our experience in managing joint research, as well as our knowledge of technical details.</li> <li>•Prior consultation with researchers as needed to verify project feasibility.</li> </ul>	<ul style="list-style-type: none"> <li>•Conduct interviews with companies, university researchers, and our 3 companies.</li> <li>•Our industry-academia-government collaboration coordinator coordinates the planning of research and development projects.</li> <li>•Support the coordination and conclusion of joint research agreements with universities.</li> </ul>	<ul style="list-style-type: none"> <li>•We plan and hold regular progress meetings.</li> <li>•We regularly follow up on smooth communication so that we can tell researchers about things that are difficult for companies to say.</li> <li>•When technical problems arise, we propose solutions including enhancement of the cooperation system.</li> </ul>

**Example** "Research and utilization of advanced technologies" includes, for example, the following themes as achievements in collecting and analyzing information on Japanese research seeds and surveying technology and market trends.

- Survey of IoT sensor technology
- Survey of healthcare IT technology
- Survey of platinum-free catalyst technology
- Trend Survey on Liquid Cooling Technology
- Market Trend Survey in Data Science
- Market trend survey on automotive sensors

## Coordinated efforts by industry, academia, and government collaboration

We support industry-academia-government collaboration with various universities in Japan in order to match the appropriate seeds to the needs of companies. To date, more than 650 joint research projects have been conducted with more than 45 universities.

### Past contract experience (partial excerpt)

- The University of Tokyo
- The University of Electro-Communications
- Hiroshima Institute of Technology
- Osaka Prefecture University
- Ritssho University
- Kanto Gakuin University
- Kumamoto University
- Waseda University
- Keio University
- Sophia University
- Kobe University
- Aoyama Gakuin University
- Saitama University
- Chuo University
- Shizuoka University
- Kagoshima University
- Shibaura Institute of Technology
- Tokyo Institute of Technology
- Shinshu University
- University of Tsukuba
- Chiba Institute of Technology
- Toyohashi University of Technology
- Utsunomiya University
- University of Hyogo
- Ritsumeikan University
- Chiba University
- Hokkaido University
- St. Luke's College of Nursing
- Tokyo City University
- Kyoto Institute of Technology
- Toyama Prefectural University
- Osaka City University
- Nippon Medical School
- Hakodate Mirai University
- Hiroshima University
- Nagasaki University
- Tokyo Denki University
- University of Yamanashi
- Tokyo University of Agriculture and Technology
- Okayama University
- Tottori University
- Jie University
- Toho University
- Jichi Medical University
- Takasaki University of Health and Welfare



データ駆動型産学官連携®

We register "Data-driven Industry-Academia-Government Collaboration" as a trademark and use our own AI Knowledge Management System to collect and match technology seeds from universities and public research institutes throughout Japan. At the same time, we are promoting the sharing economy in order to return the resources that are buried in universities to society.

## Achievements in International Industry-Academia-Government Collaboration

In 2007, we established a local subsidiary in Shenzhen, China, and are promoting international cooperation between Japan and China together with various cooperation organizations (examples of cooperation organizations below). In the future, we will further strengthen cooperation between Japan and China and build global alliances with companies and universities around the world.

### Coordinating Body 1

#### Shenzhen Science and Technology Association



### Coordinating Body 2

#### ShenZhen-HongKong Institution



### Coordinating Body 3

#### Shenzhen Virtual University Park

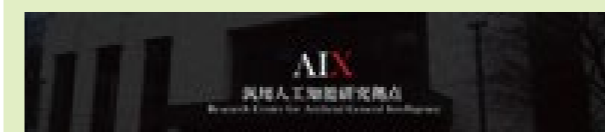


## Examples of international joint research efforts

The National University Corporation has a business alliance with the University of Electro-Communications to promote industry-academic-government cooperation. We also conducted international joint research on artificial intelligence with companies in China.

### University of Electro-Communications

AIX is the first artificial intelligence research center at the National Corporation University in Japan & Aiming at realizing Artificial General Intelligence (AGI) living with humankind. "We eXplore and eXchange AI, and develop society eXplosively." is the main principle for AIX center. Thus, the top-lever researches from UEC set up the following 3 basic polices "AI for Science", "AI for Design" and "AI for Service". "Artificial General Intelligence (AGI)", in order to realize the AGI.



### Example of International Industry-Academia-Government Collaboration

Suzhou Pangolin Robot Corp., Ltd.(Pangolin Robot Japan) and Professor Takayuki Nagai from UEC AIX research center, have successfully carried out the joint research on AI for catering service robot. Besides the joint research with UEC, Suzhou Pangolin Robot Corp., Ltd also set up the Japan branch in UEC alliance center, to explore Japan market.

