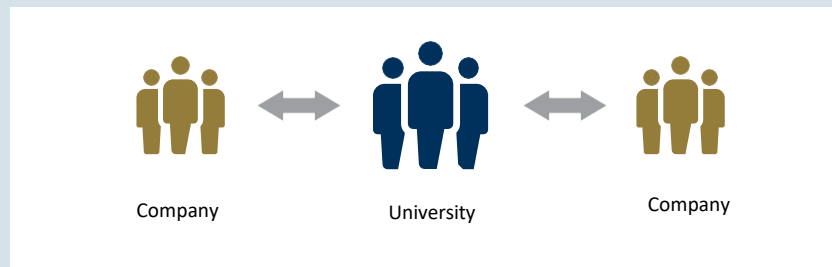


Collaborative Research Cluster Related Projects

■ What are Collaborative Research Cluster related projects?

This is a system offered by the Tokyo Tech Open Innovation Platform, which operates as a large-scale organization-to-organization collaboration in the competitive area, in which part of a company's research base is established within Tokyo Tech to conduct joint research. It is a framework that solves the disadvantages while taking advantage of the merits of conventional individual-level collaboration, and requires a decision to establish as a sustainable research institution for the company.



■ Open innovation type "organization" to "organization" industry-academia collaboration

Issue	Individual-based industry-academia collaboration lacks the impact to generate dynamic innovation
Support	Accelerate innovation in diverse directions by bringing together experts from various fields to exchange ideas
Issue	Individual-based industry-academia collaboration cannot address a wide range of issues that arise
Support	Team members are not limited to researchers, but also include service professionals from outside the company to respond to user requests.

■ Functions and Features of the Collaborative Research Center

In establishing a collaborative research cluster, the Open Innovation Organization 's Creative Manager (CM) will coordinate from the initial stages of planning, including theme setting, specific research topics, and identification of potential faculty members. CMs will also provide their own services (new theme search, IP strategy support, partner search, prototyping support, etc.) and create opportunities for collaboration with various service providers to support social implementation of the collaborative research center's R&D results.

User-friendly concierge

The Creative Manager of the OI Organization of Tokyo Tech will serve as a user-friendly concierge through the 3 P's activities in order to respond to requests from companies.

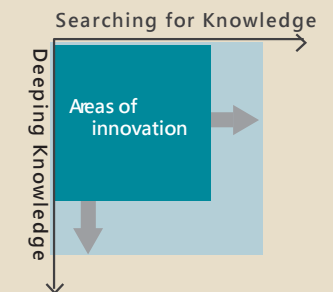
- ✓ Producing the team
- ✓ Promotion ideas to partners
- ✓ Proposing new projects

"Deepening Knowledge"

+

"Searching for Knowledge"

Tokyo Tech's cutting-edge researchers contribute to the "deepening of knowledge" by mastering research and development. OI Platform also supports "search for knowledge" by extending antennas to other areas to find new challenges.



■ Collaborative Research Cluster (CRC)

1. Komatsu CRC for Innovative Technologies
2. aiwell AI Proteomics CRC
3. AGC Material CRC
4. DENSO Mobility CRC
5. Idemitsu Kosan CRC for Advanced Materials
6. TEPCO CRC for Decontamination and Decommissioning (D&D) Frontier Technology Creation
7. LG Material & Life solution CRC
8. ULVAC Advanced Technology CRC
9. Multimodal Cell Analysis CRC
10. artience CRC
11. JFE Engineering CRC for Carbon Neutrality
12. Mitsubishi Materials sustainability innovation CRC
13. Fujitsu Next Generation Computing Infrastructure CRC
14. Sumitomo Chemical Next Generation Environmental Device CRC
15. Mitsubishi Electric Energy & Carbon Management CRC
16. micware Future Navigation CRC
17. Rakuten Mobile Next Generation Edge Computing Network CRC
18. Tokyo Ohka Kogyo Future Creation CRC
19. Ex-fusion liquid metal CRC
20. NSK Tribology CRC
21. TOYOTA Mobility Foundation Advanced Traffic CRC
22. TSUBAME BHB Green Ammonia CRC

22 CRCs established and 21 CRCs active as of August, 2024.

Items	CRC
Joint Research Expense	More than 20MJYen (Including indirect expense. Space charge is not included)
Period	more than 3 years and 10 years or less
Space for research planning	required
Indirect Expense	25% of direct expense + more than 15% of Strategic industry-academia collaboration expenses