

Infrastructure Maintenance Educational Center

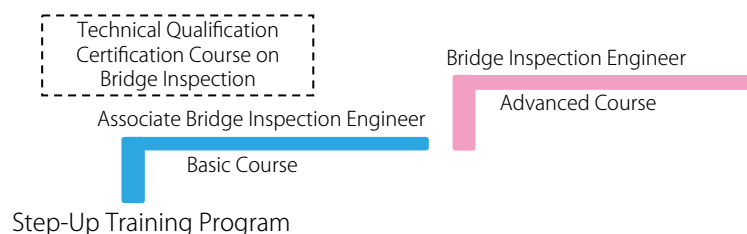
Infrastructure Maintenance Educational Center at Kagawa Kosen (iMec Kagawa) was established on April 1, 2020. It aims to carry out recurrent education and to foster expertise in the maintenance and management of civil infrastructure using the educational and research resources at Kagawa Kosen.



The deterioration of civil infrastructure such as roads and bridges has become a social issue, and it is necessary to develop engineers for maintenance. iMec Kagawa offers practical education, including e-learning and lecture-based courses on maintenance. It also provides skill training on damage inspections and non-destructive testing (NDT), as well as hands-on learning using materials from actual deteriorated bridges. These programs are offered to students, local government officials, and private-sector engineers. Those who complete the prescribed course will be qualified for certifications such as Bridge Inspection Engineer certification registered with the Ministry of Land, Infrastructure, Transport and Tourism (MLIT).

The development of KOSEN-type academic-industrial cooperation for human resource development in infrastructure maintenance has been adopted as part of a project supported by MEXT (Ministry of Education, Culture, Sports, Science and Technology) to build a sustainable industry-academia human resource development system, running from FY2019 to FY2023.

Kagawa Kosen builds the basis for recurrent education in the community in collaboration with Maizuru Kosen, Fukushima Kosen, Nagaoka Kosen, and Fukui Kosen. These efforts to foster professional engineers nationwide have been recognized, and on January 16, 2025, the "REIM Academic-Industrial Cooperation Consortium," which includes Kagawa Kosen along with four other technical colleges and industry-government-academia regional partnerships, was awarded the MLIT Prize at the 8th Infrastructure Maintenance Awards.



Overview of the Bridge Maintenance Training Field

Facilities

Structural members collected from actual deteriorated bridges have been placed in the Bridge Maintenance Training Field for educational purposes.



Explaining Bridge Component Teaching Models



Inspecting a Steel Bridge



Inspecting a Concrete Bridge



Practicing Non-Destructive Testing



On-Site Bridge Inspection Training



Group Work

Staff

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