



**Training project of Clinical engineers for  
developing countries,  
reference number 171145 as Film,**

“Japan Association for Clinical Engineers are a public interest  
incorporated associations as a professional organization. “

# Our three major goals

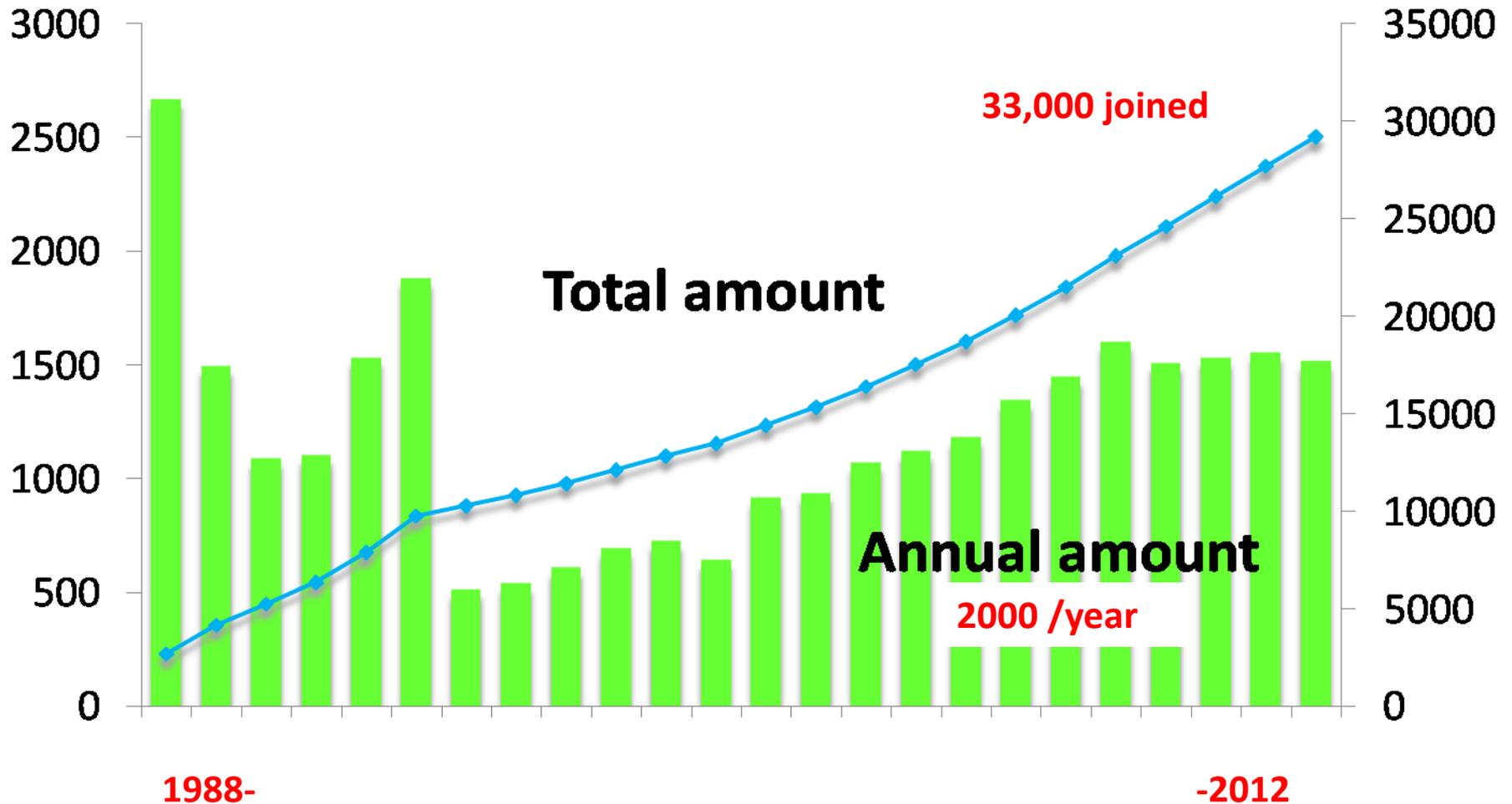
1. International exchange with advanced nations
2. Build up cooperative relationships on clinical engineering and dialysis fields with China
3. Spreads Japan's clinical engineering spirit to developing countries through

JICA and JIMTEF project

“Then, in an international committee that performs communication with international organizations and clinical engineering-related organizations around the world, our International Exchange Commission, has set the three major goals.”

JICA is the implementing agency of the Japanese government's ODA. And JIMTEF is a NGO for Medical technology cooperation

# Licensed Clinical engineers in Japan



“Well, the licence system of Japan’s Clinical Engineer was authorized by Japanese Government in 1988. There are 33,000 registered clinical engineers currently and about 2,000 new engineers are provided every year. “



“Clinical engineers in Japan are experts in medical equipment management, similarly to the Biomedical Engineering Technician and Clinical Engineer around the world; However, uniquely among their peers, we are involved significantly in the clinical care process in Japan.”



“For example, medical equipment, especially life support machines such as ventilator, dialysis machine, is operated by engineers beside patients for safe and effective implementation. “



“Moreover, we advise nurses and doctors on how to operate electrosurgical units correctly and are responsible for the operation of the heart-lung machine during cardiac surgery in the operating room.”

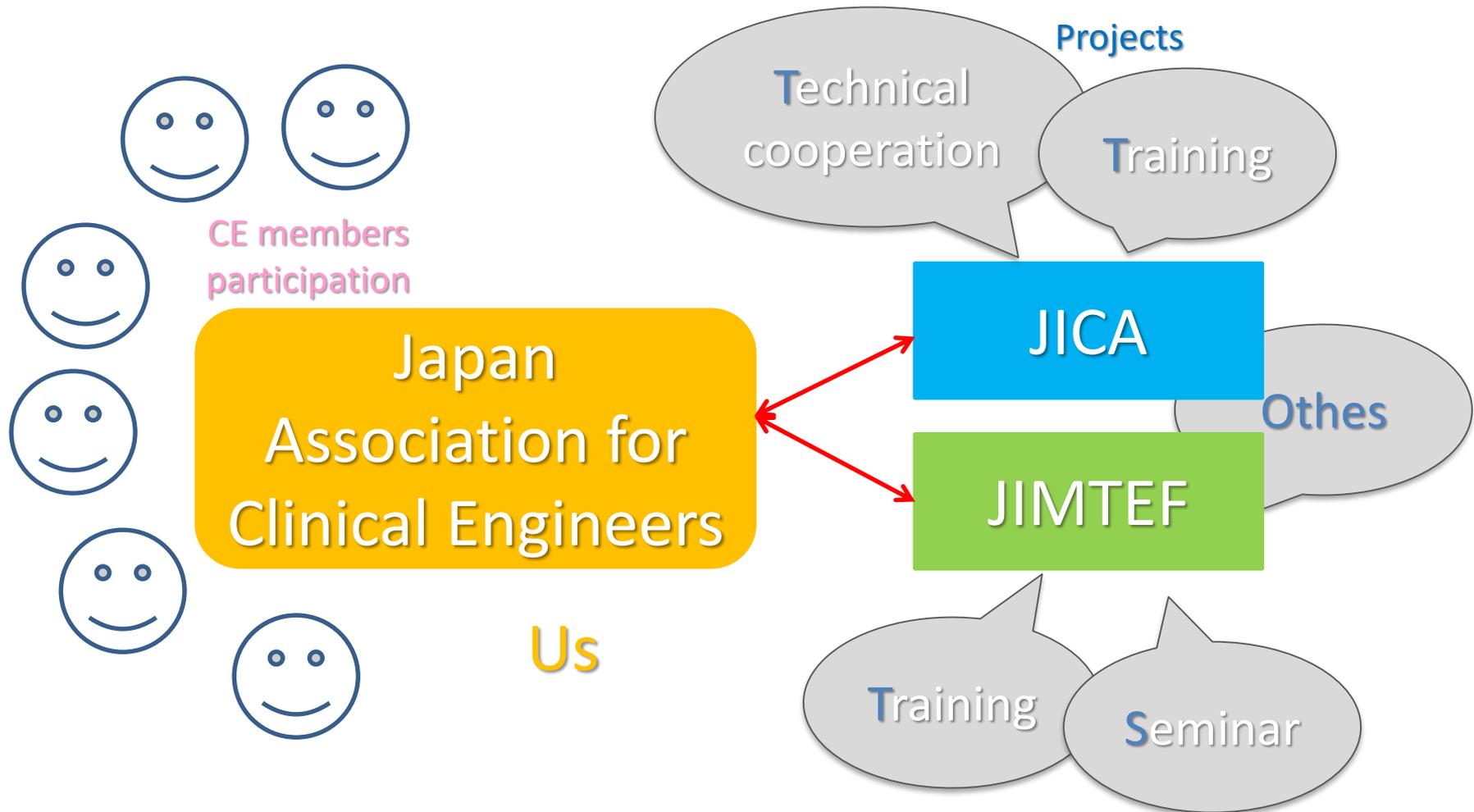


“Medical equipment centres are established in each hospital for inspection, preventive and corrective maintenance of equipment. It is significantly related to improve the economic efficiency and patient safety.”



“We are one of the team members who decide and share treatment methods with doctors and other clinical staff.”

# Correlation diagram



Our association receives engineers and clinical staffs through the training project for informing Japanese clinical engineering system and extending trainees' knowledge and experience.

# Cooperation performance



“Number of clinical engineer was sent abroad throughout the project.”

“And, the numbers of trainees accepted.”



“Curriculum consists with generator and UPS room, emergency room, and ventilator in hospital and patient monitoring system, hemodialysis system, endoscope, in manufacture.”



Thank you  
for  
your attention!

**Training project of Clinical engineers for  
developing countries**

Yoichi Sugiura, Takeshi Ifuku, Keiko Fukuta,  
Tadayuki Kawasaki  
Japan Association for Clinical Engineers

“We hope that we will scale up to collaborate with other countries for enhancing the training project in the future.”