

Department of Mechanical and Energy Engineering, National Chiayi University Organizes Industrial Visits for Faculty and Students Strengthening Industry–Academia Collaboration and Enhancing Professional Development and Industrial Perspectives

To promote faculty professional development, strengthen industry–academia collaboration, and enhance understanding of emerging industrial trends, advanced technologies, and workforce demands, the Department of Mechanical and Energy Engineering at National Chiayi University organized an Industrial Visit for Faculty Professional Development on June 18, 2026. The delegation was led by Professor Chao-Ming Lin, Chair of the Department of Mechanical and Energy Engineering, accompanied by Professor Chung-Ping Chang, Professor Jing-Feng Weng, and Professor Chia-Liang Chen. Together, they led 85 mechanical engineering students on visits to the TSMC Southern Taiwan Science Park Reclaimed Water Plant and Kuen Ling Refrigerating Machinery Co., Ltd. Through on-site observations of industrial operations and technical exchanges with industry professionals, participants gained a deeper understanding of smart manufacturing, sustainable development, and advanced industrial technologies.



Group photo at the TSMC Southern Taiwan Science Park Reclaimed Water Plant.



Group photo at Kuen Ling Refrigerating Machinery Co., Ltd.



Company presentation at Kuen Ling Refrigerating Machinery Co., Ltd.



Participants watching the company introduction video.

During the afternoon visit to Kuen Ling Refrigerating Machinery Co., Ltd., company representatives introduced the company's history, core products, refrigeration and air-conditioning system design, intelligent energy-saving control technologies, and manufacturing processes. Faculty members and students also toured the production lines, automated manufacturing facilities, and quality management system, gaining valuable insights into the latest developments in the refrigeration, air-conditioning, and smart manufacturing industries. The company also shared its perspectives on current industry trends, future technological developments, and workforce requirements. These discussions provided faculty members with a better understanding of industrial needs and created opportunities for exchanging ideas on curriculum development, talent cultivation, and future industry-academia collaboration.

Through this industrial visit, faculty members gained first-hand knowledge of recent advances in the semiconductor and refrigeration industries, particularly in smart manufacturing and sustainable development. The exchange with industry professionals also provided valuable practical experiences that can be incorporated into future teaching and curriculum design, thereby enhancing students' learning outcomes and practical competencies. Meanwhile, students developed a clearer understanding of industrial operations, workplace environments, and career opportunities, further strengthening their motivation to learn and their future employability.

The Department of Mechanical and Energy Engineering at National Chiayi University has long been committed to educational innovation and industry engagement. The department will continue organizing industrial visits and collaborative activities with industry partners to integrate practical industrial experience into teaching and research, enhance faculty professional expertise, and cultivate engineering professionals equipped with the knowledge and skills required by modern industries.



Faculty and students touring the production facilities at Kuen Ling Refrigerating Machinery Co., Ltd. (Group 1).



Faculty and students touring the production facilities at Kuen Ling Refrigerating Machinery Co., Ltd. (Group 2).



Faculty and students touring the production facilities at Kuen Ling Refrigerating Machinery Co., Ltd. (Group 3).



Faculty and students touring the production facilities at Kuen Ling Refrigerating Machinery Co., Ltd. (Group 4).