

TFTA Northern and Central Chapters Visit an IoT Developer in Northern Taiwan



by Dean Tseng, Fastener World

For strengthening friendship among Taiwanese fastener business owners and reinforcing their acquisition of technical knowledge, Taiwan Fastener Trading Association (TFTA) arranged a visit to AdvanTech in Taoyuan City (northern Taiwan) on November 16 for a group of 50 members from not only the northern and central chapters of TFTA but also southern Taiwan.

AdvanTech is a renowned IoT software developer and platform service provider in northern Taiwan. The TFTA members visited its R&D building adopting IoT technology. They learned how sensors are mounted on machines, machine rooms and various large and small components, how the sensors and Internet equipment connect the “Things” to the “Internet” platform, and how to utilize the IoT-powered LED display in a situation room to monitor the status of a plant through 4 split live screens showing environmental

indicators (temperature, humidity, critical state alert), production state (amount of spare parts, unit capacity, production delay alert), maintenance state (machine life, maintenance records, maintenance alert), and energy consumption (plant electricity consumption, peak consumption alert). They also learned how to use deep-learning artificial intelligence to automatically manage or help managers reduce production costs and improve capacity. The members benefited a great deal from this 3-hour company tour.

Apart from the company tour, the members visited a nearby wine factory in Taoyuan City. An expert of wine production introduced the process from rice grinding to fermentation, and the members were able to understand how much dedication it takes to monitor each process against defecation and contamination and finally produce quality wine. The introduction was inspirational to the members as they reflected on their own production.

The executive secretaries of TFTA northern and central chapters said they would continue to arrange educational and recreational activities to unify and strengthen Taiwanese fastener industry. ■



▲ Group photo of TFTA members visiting AdvanTech



▲ AdvanTech tour



▲ Vice Chairman of TFTA presents a souvenir to AdvanTech



▲ Group photo of TFTA members visiting a wine factory in Taoyuan City