



ข่าวประชาสัมพันธ์

วันที่ 25 กุมภาพันธ์ 2562

Thai Industrial Standards Institute (TISI), Ministry of Industry and Thailand Automotive Institute (TAI) in a collaboration with TÜV SÜD Thailand Limited (TST)

- Thai Industrial Standards Institute (TISI), Ministry of Industry and Thailand Automotive Institute (TAI) in a collaboration with TÜV SÜD Thailand Limited (TST) for ASEAN 1st Electric Vehicle Battery Testing Center
- Investment of over 300 million baht on 3,000 square meters in Automotive and Tyre Testing, Research and Innovation Center in Sanam Chai Khet district, Chachoengsao which can be implemented in 2020

Global environmental and energy problems causing the changing trend of automotive internal combustion engines toward the next generation mobility which are environmental-friendly, electric vehicles (EV) are one of the most noticeable changes which can be observed from the EV volumes continuously increasing worldwide. Thailand as one of the world's major automotive production bases has also developed the EV industry with various support policies from the government sectors to enable Thailand to be the EV production base. And The Board of Investment (BOI) has approved 8 leading automotive companies for the investment promotion of the domestic EV production in order to support the advance of automotive industry in Thailand in accordance with the changes of the global automotive technology.

Thailand Automotive Institute (TAI) under the Ministry of Industry is the hub to continuously develop automotive and auto-parts industry for 20 years can foresee these changes and set the vision according to the main goal of being "The leading organization of automotive and auto parts industry development with environmental-friendly business ecosystem and modernization" and to be knowledge center and expertise for automotive industry development by establishing the Next Generation Automotive Research Center to study and research technology trend, automotive innovation and aviation and rail system movement for users from the governments, private sectors and general public will be able to utilize them numerously.

Mr.Wanchai Phanomchai, Secretary-General of Thai Industrial Standards Institute (TISI) said "Battery is the key component of EV including the use of batteries and in other industries as well such as energy storage etc. Using the battery as the main component of motor vehicle must consider safety as a priority which manufacturers must build confidence in this new technology for consumers through strict international standard testing process". TISI is accelerating the drafting of battery standards for EV according to UNECE R100 standards and related standards use in Thailand.

In this regard, TISI recognizes the potential and readiness of TAI therefore supporting the budget for the provision of testing tools and allowing the use of a part of internal space in Automotive and Tyre Testing, Research and Innovation Center (ATTRIC) which is located in Sanam Chai Khet, Chachoengsao to construct a battery testing center for battery tests to meet international standards. It is necessary to perform tests in special designed building which is considered the first battery testing center in ASEAN.

The establishment of battery testing center with following purposes:

1. Be one of the infrastructures to develop the EV industry
2. To support the regional expansion of EV and battery industries
3. To support battery testing according to international safety standards
4. To protect consumers safety against inferior products
5. Become a regional research and development center for EVs and batteries
6. Human Resource Development in all EV sectors both industrial and academic

To meet international standards, TAI has signed a memorandum of understanding (MOU) with TÜV SÜD Thailand Limited (TST) which expertise in global battery testing to work together on testing and certification of battery



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standards and upgrade the battery testing standards to be effective in Thailand including building confidence for battery manufacturers and consumers.

TÜV SÜD is a global testing, inspection and certification service provider with experiences over 150 years in various industries through a network of more than 1,000 branches worldwide, also the experiences in automotive infrastructure and renewable energy concepts and expert in developing and testing e-Mobility technology. The company has a battery testing laboratory that is a part of battery testing laboratories network of TÜV SÜD AG, Germany which its network is located in China, Europe, Japan, Korea, Canada and the United States. TAI will collaborate with TST to provide battery testing services for EVs including batteries used in other industries both domestic and overseas.

Scope of Cooperation

TAI Roles and Responsibilities

1. Provide instruments and qualified testing staff for testing including develop and maintain laboratories
2. Testing the safety and efficiency of EV batteries (EVB)
3. Operate testing EVB according to UNECE R100
4. Install laboratory quality control system for EVB according to international standards (ISO/IEC 17025)

TST Roles and Responsibilities

1. Give advice for design, install instruments for EVB laboratories
2. Support EVB testing operation as methods and procedures of safety high efficiency, environment-friendly, and prepare testing reports for international market
3. Support the operation of EVB testing according to UNECE R100 for certification as Technical Service
4. Support the operation of EVB testing to meet ISO/IEC 17025 certification

The investment on this battery testing center will be approximately 300 million baht which will be built on the area of over 3,000 square meters, divided into battery performance testing zone, battery safety testing zone which requires a safety test room that can support burning and battery explosion from testing, and we expect this testing center will be opened for service in the first phase by early 2020. In addition, this battery testing center has available space for the expanding scope of testing in the future as well.

This memorandum of understanding signing between Mr.Adisak Rohitasune, Acting President of Thailand Automotive Institute and Mr.Chatvithai Tantraporn, General Manager of TÜV SÜD Thailand Limited, by having Mr.Wanchai Phanomchai, Secretary-General of Thai Industrial Standards Institute and Mr.Richard Hong, Chief Executive Officer of TÜV SÜD ASEAN as honorable guests in this MOU signing ceremony.

TAI and TÜV SÜD expect that this battery testing center will be an important part for automotive industry development in Thailand and become one of the world's leading battery testing centers for the development of automotive and auto-parts industry in the future.

