

OIE accelerating the “Big Data” for industrial development plan foundation.

Going to proposed to the Ministry of Industry.

In order to integrate and analyze the data for “industry of the future” development direction formulation in strengthening the country, the Office of Industrial Economics (OIE) accelerates the Big Data system development and prepares to propose to the Minister of Industry (MOI) by June.

Mr.Siriruj Chulakaratana, Director General of the Office of Industrial Economics said that as assigned by the Ministry of Industry, the Office of Industrial Economics has accelerated the “Big Data for Foresight” plan to integrate and analyze data used for “industry of the future” development strategy, under the consultation with the Big Data integrating and industrial foresight experts. The plan is supposed to be proposed to the Minister of Industry (MOI) by June. The Big Data development plan is divided into three parts which are personnel, information and industry model simulation. The details are:

Big Data Development Plan

1. Personnel. There is the need of production acceleration of the Data Scientists who are responsible for finding insight and analytics of the important data. By short run, the external experts are required as the Big Data for foresight team leaders. In mid-term development, the workshop and on-the-job practically training for internal staffs are required. Furthermore, the Big Data system needs to have and develop Business Analyst, System Developer and Data Engineer for both short and middle term.

2. Information. As the important part of the future industry, the linkage and integration of data need to be developed with both domestic and international situational scenarios and trends which such situations are social, technological, economical, environmental and political situations (STEEP), as well as national competitiveness, the factors effecting the industrial business, global change trend, and the development strategies of Thailand and other key countries. The local and international trusted sources are to be used for possible future scenarios evaluation of the industrial sector.

3. Industrial Model Simulation. Developed from Big Data to create the models that can be used to enhance the competitiveness of the industry section, it is effectively designed to formulate and evaluate the strategies or government policies which affect the development of the industry sector. Using Model Simulation generated from huge amount of data including Artificial Intelligence (AI) and Machine Learning for data analytics to accurately and fast predict the situation inside and outside the country, presently data analytics and data model are under consideration of the data type appropriation in order to make the model for the right algorithm fit with the data which is effective and adaptable to the global situation.

Mr. Siriruj further mentioned that the development of Big Data system will be an important tool for the “industry of the future” analytics (Industrial Foresight). It will link with the other departments’ information within the ministry, the other ministries and foreign agencies in order to create a model that provides powerful information for the “industry of the future” direction and leads to the industrial development strategies formulation in strengthening to Thailand country.
