### AEROTHALE-News



December 2019

#### Dear Readers,

Welcome to December issue. Before the year end, this would be an honor for AEROTHAI to receive the special award at the International Specialized Trade Show for Ideas, Innovations and New Product (iENA 2019), in Nuremberg, Germany. The Selectable Threshold RF Field Strength Protection Device was invented to prevent any damage to radio frequency receivers caused by high radio frequency field strength. This system can be installed with various signal receiver such as radio receiver, spectrum analyzer and radio direction finder and it is able to select the suitable signal for each equipment.



Somnuk Rongthong President

AEROTHAI has reviewed its organizational performance and the significant projects. In this issue, we would like to share what we have done throughout the year. Moreover, we are looking forward to working with the stakeholders and partners to enhance safety, capacity and efficiency. The collaborative approach will enable us to ensure sustainability for aviation.

For the upcoming New Year, let me take this opportunity to wish you and your family happiness, good health and success.

# News Update



### **AEROTHAI's Innovation was awarded at iENA 2019 in Germany**

The Selectable Threshold RF Field Strength Protection Device produced by AEROTHAI's R&D Team was given the special prize at the International Specialized Trade Show for Ideas, Innovations and New Product (iENA 2019), in Nuremberg, Germany.

This system was invented by the engineers from Air Traffic Communication System Engineering Department of AEROTHAI. This system can be installed with antenna system to prevent any damage to the receivers that might be caused by too high RF field strength. This tool measures the signal intensity and compares it to the selected threshold value. If the RF field strength is higher than the selected threshold, it will automatically reduce the RF field strength.

Mr. Somnuk Rongthong, AEROTHAI's President said; "AEROTHAI is honored that our innovation was selected for the special award. iENA 2019 brought a good opportunity for our staff to present their innovation to the competent audiences, exchange ideas and get some new inspiration for enhancing idea for their works and organizational operations."



The President added; "In Thailand the trend in innovation and digital disruption is spreading. For AEROTHAI, innovation has been considered as the essential component for improving corporate performance and problem solving. Our staff are encouraged to create innovative products to facilitate daily operations and increase work efficiency. Every year, we organize Innovation Exhibition & Awards to bring together our staff to focus on innovative solutions and stimulate creativity. Innovation will be able to create competitive values and sustainable advantage for the organization."

# Recent Activity



#### What we have achieved in 2019...and the next steps of AEROTHAI

While the current overall demand is approaching full aviation capacity of the region, AEROTHAI has focused on the capacity enhancement and the way to cope with the global trends including challenges in aviation industry, in terms of advanced technology, management and cooperation with the stakeholders.

Somnuk Rongthong, **AEROTHAI's** Mr. President emphasized; "Air Traffic Service requires technology to support and ensure utmost safety and efficiency. Therefore, AEROTHAI has deployed the new systems of Traffic Management together with Communication, Navigation and Surveillance, named Thailand Modernization CNS/ATM System (TMCS), to enhance the capacity to accommodate air traffic volume and enable our staff to reduce their workloads. The trial operations have commenced, while the full operations are going to start next year."

The President added; "Air Traffic Flow Management (ATFM) has been implemented to further enhance the air traffic service capacity. AEROTHAI has strengthened the collaboration with the Asia-Pacific countries to facilitate aeronautical information sharing and seamless air traffic services. Moreover, the airspace improvement study has been conducted together with redesigned route structure starting with the southern routes and expanding to the northeastern routes based on civil-military cooperation in accordance with the concept of flexible use of airspace."

AEROTHAI has considered service quality as the most significant commitment to the airspace users. Technology and innovation has been implemented for improving service quality, such as the Airport Collaborative Decision Making (A-CDM) including the Intelligent Departure Enhancement Program (IDEP) for pre-departure sequencing process. In 2019 we have come to the third phase of trial operations and the numbers of airlines involved in the trial phase has increased. The A-CDM and IDEP is planned to link with Flight Information Management System of Airports of Thailand (AOT) PCL. to maximize flight management and to enhance predictability and on-time performance for airlines.



The President concluded; "In 2019 many meetings and workshops were convened as consultative floors to accumulate feedbacks, comments, requirements and recommendations from the airspace users and stakeholders. AEROTHAI appreciated cooperation and support from the stakeholders as the partners collaborating towards a common goal of delivering a safe, efficient and sustainable air transport services, and aviation industry.