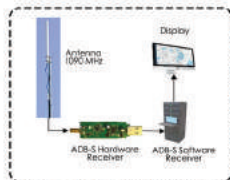


# RADAR COVERAGE and RADIO BASED TRACKING MEASUREMENT SYSTEM



## INTRODUCTION

- Most new aircrafts in the next 10 years will be from the Asia Pacific region – Boeing and Airbus projections.
- More than four million travelers flew on about 30,530 flights between Kuala Lumpur and Singapore in 2017.
- Accurate tracking is required by radar and radio based tracking system (ADS-B and multilateration) ensures navigation safety over the Malaysian airspace.

## NEEDS

- How do we know that radar or radio based tracking system measures position accurately?
- Manual verification on the same equipment is prone to errors and inconsistencies.
- Proposed solution performs verification automatically in real-time on independent equipment.

## PRODUCT FEATURES

- Light weight and small size can be easily installed at existing infrastructure.
- Frequency range: 800 MHz to 1200 MHz .
- Build in signal decoder such as ADS-B, mode A, C and S.
- Maximum detection range: 200 Km radius.
- LCD display, data storage, upgradeable to client-server based system.

## PRODUCT VALUES

- Provide alternative method to measure signal from radar and radio based tracking systems.
- The customer need to verify the effectiveness of their multi millions ringgits equipment, the verification process is daily a daily operation needs due to human safety and national security.

## BENEFITS PER COST

- The expected price per product is RM 50,000, the expected value of the systems to be verified could range from RM 1 million for an ADS-B receiving station up to RM 100 millions for an air defense radar.

## COMPETITORS

- Others related flight radar and receiver manufacturer.



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