

DEFENCE AND SPACE
Intelligence

RECCE Engine®

Identify Mobile Targets
at First Sight



Identify Mobile Targets at First Sight

RECCE Engine® is an innovative system that supports image analysts in the rapid and reliable recognition of mobile assets in images or videos.

This proven and sophisticated system, designed by experienced analysts, aims at identifying pieces of equipment for both tactical and strategic needs.

A Data Model for Precise Recognition

In order to ensure outstanding performance in the rapid recognition and identification of mobile targets, RECCE Engine® makes use of a data model, which is based on advanced recognition keys describing:

- Aircrafts, liners, helicopters, UAVs and vertical start and landing (VTOL/STOL) objects.
- Armoured vehicles (e.g. infantry carrier, personal carrier...).

- Military vessels and submarines (e.g. cruiser, destroyer, patrol, support...).
- Strategic weapon systems.

Capabilities that Fit Image Analysts' Needs

- Recognition
 - Extensive list of object characteristics entered by experienced analysts.
 - Expert System interface integrating a complete model for each type of target.
 - Optional connection to the IHS Jane's database* for additional information once the class or type of equipment has been identified.
- Capitalisation
 - Creation, modification of targets, enabling authorised users to enrich media gallery (images, documents)
 - Secured storage and sharing of equipment characteristics among users.

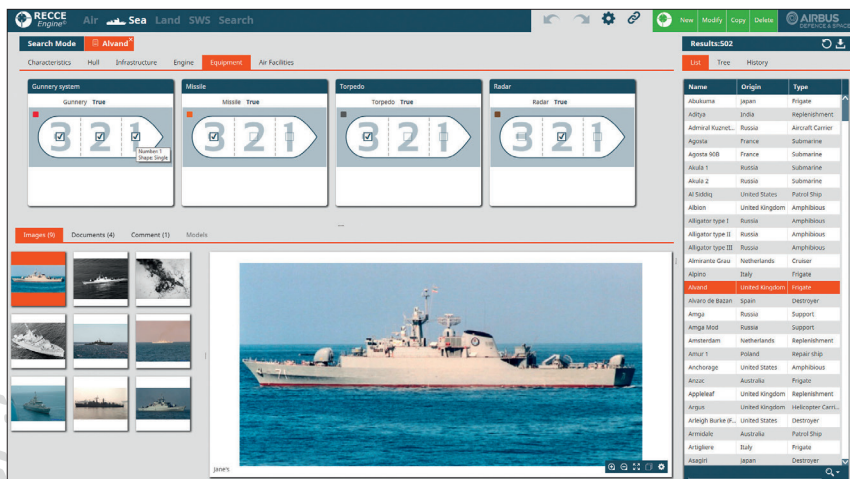
- 3D Shadow Simulator
3D visualisation of a given target under various lighting conditions.

Lifelong Training

In order to ensure constantly improving recognition performance, it enables initial training of beginners or lifelong training of experts.

Relying on 15 Years of Experience

RECCE Engine® has been designed according to operational user feedback and is based on more than 15 years of experience in image Intelligence.



Key References

- Designed for Intelligence Services worldwide (already operational in over 50 organisations).
- Component of the Airbus Defence and Space Fortion® C5ISR solution family, completing the IMINT KDB system dedicated to infrastructure identification.

Key Benefits

- Provides image analysts with full confidence in the identification of a given class of equipment.
- User friendly man-to-machine interface.
- Intuitive and simple interface to recognise equipment.
- Evolutionary database thanks to smart completion of characteristics and import of specific content.
- Significant reduction of costs and time constraints due to its intuitive operation and easy access to knowledge according to user rights.

Key Features

- Comprehensive database: More than 1,300 pieces of equipment already available.
- Data provision for the creation and illustration of intelligence reports.
- Powerful search engine for research on the totality of labels and values contained in all workspaces (air, land, sea).

*not provided in RECCE Engine®, customer needs to purchase IHS Jane's subscription

Airbus Defence and Space
Australia, Brazil, China, Finland, France, Germany, Hungary, Singapore, Spain, United Kingdom, United States

@AirbusSpace
www.intelligence-airbusds.com

This document is not contractual.
Subject to change without notice.
Copyright © 2018.
All rights reserved. Reference 0427/2.

AIRBUS