an-24/an-26/an-32

tu-95

tu-160

NIFC Testimonial on the use of Preligens' algorithms

Preligens and NIFC have built a strong relationship over the years allowing Preligens to progressively deliver its Site Monitoring software to NIFC. Thanks to this solution, NIFC provides its agents with a combat proven solution answering operational needs in terms of Imagery Intelligence (IMINT). It relies on Artificial Intelligence to analyze huge amounts of satellite images. It automatically detects objects of military interest on strategic sites and alerts analysts when their tradecraft is required in a specific situation.

This partnership was initiated in December 2018 and in June 2019, Preligens was selected to work on a first proof of concept. It delivered an off the shelf aircraft algorithm based on artificial intelligence techniques, able to detect, recognize and identify more than 100 models of aircraft with unrivalled performances. A contract was finally signed in May 2021 to provide NIFC with the complete Site Monitoring solution.

"The Preligens software is a force multiplier for the NIFC and will allow us to more efficiently process large amounts of imagery data in support of our mission. An automated solution is critical in order to best utilize that data and free up capacity of our analysts to perform the more detailed analysis of the activity."

- NIFC Commander

Preligens was able to provide outstanding performances for its aircraft algorithm reaching a 98% detection rate on customer testing set of data. It was already able at the time to identify the model of the aircraft among more than 100 different variants with a 83% accuracy and this accuracy has even increased since then. Preligens managed to reach such a high level of results with NIFC not only thanks to its expertise but also through a close cooperation with NIFC experts to identify possible improvements.

With this latest contract, Preligens will go a step further by offering a complete solution including a monitoring dashboard. This solution, based on NATO STANAG 3596 standards, is adapted to the work methods of analysts. The imagery analyst, relieved of the repetitive tasks of detection, counting and identification of objects of military interest, can put all their time and know-how into the analysis and interpretation of alerts raised by the tool.

"We are very pleased to continue and deepen our collaboration with the NIFC by making available to this organization our aircraft detection algorithm, Preligens' historical algorithm with exceptional performance and continuous improvement thanks to a team of over 70 data scientists. We are proud to contribute to the development and strengthening of intelligence in the service of NATO and its missions to preserve peace and security around the world"

- Arnaud Guérin, CEO and co-founder of Preligens