

AP-TECH

 **creotech**

PANSA

Polish Air Navigation
Services Agency

SAMPLE

SYSTEM FOR AUTOMATED AIR OBSTACLES DETECTION & MONITORING

Innovative system for
automated detection
and monitoring of air
obstacles

INTRODUCTION

Innovative system for automated detection and monitoring of air obstacles with advanced functions of visualization, risk analysis, reporting and automatic notifications.

The main feature of the system is the ability to automatically derive accurate data on air obstacles and terrain based on satellite high resolution imagery (Earth Observation) and supplementary data.

OVERVIEW OF PRODUCTS AND SERVICES PORTFOLIO

1. AIXM 5.1.

2. Custom DB

3. Aviation obstacles survey

4. Digital Surface Model

5. Predictive Obstacle Database

6. API



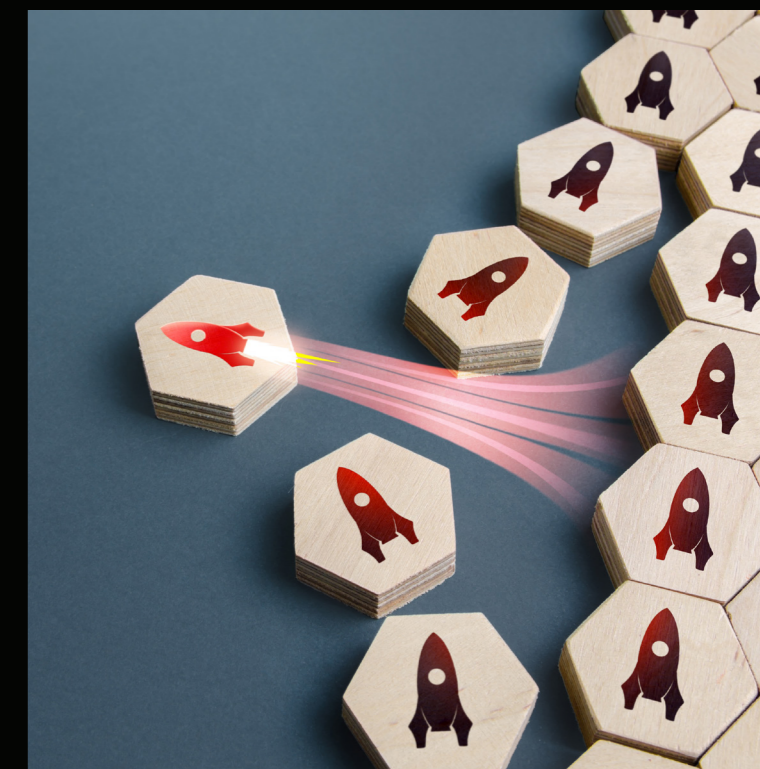
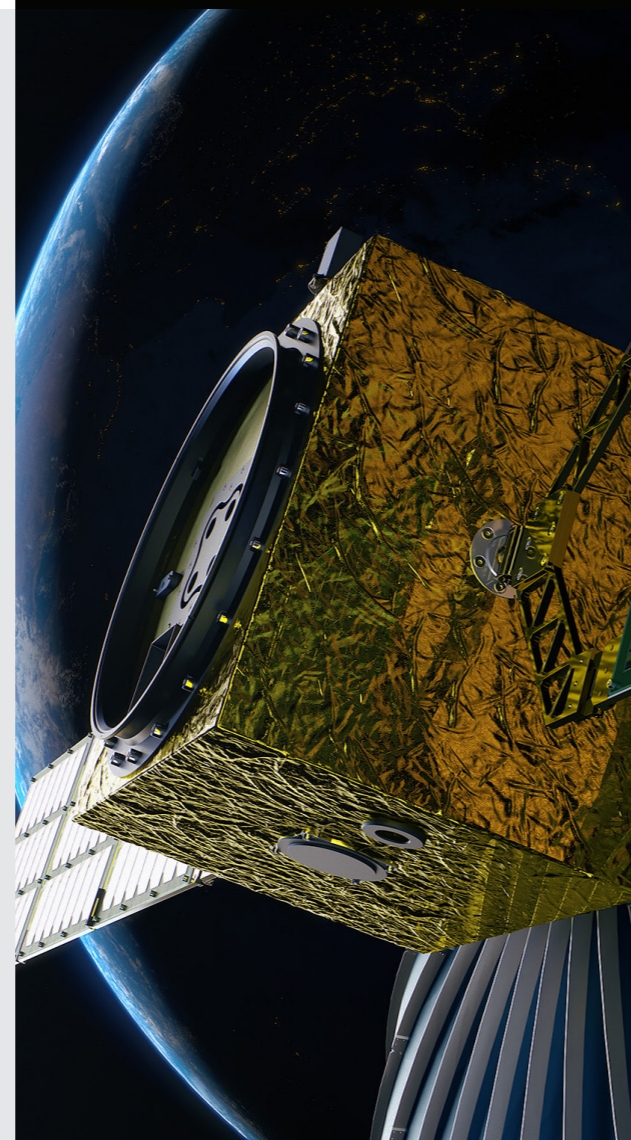
Obstacles in the airfield proximity

MAIN SCOPE OF SAMPLE

- Accurate, automatically derived information on obstacles in the airfield proximity
- Rapid access to fully reliable data
- Easy obstacle database management
- Low cost data acquisition
- 24/7 availability
- Fully customizable output
- Operational readiness - confirmed by national Air Navigation Service Provider

BREAKTHROUGH TECHNOLOGY

- Analysis done using various sources of Earth Observation data
- The basic set of Input data: **satellite images, SAR, Point Clouds (LiDAR)**, direct **UAV** measurements, video surveillance
- Output data: **digital terrain model** providing information regarding all objects with the source data resolution
- **Database** provides comprehensive information in numerous formats providing data source for **aviation, telecommunication, construction, agriculture**
- **Machine Learning** and **Artificial Intelligence** used to detect, measure and classify objects





**IT WAS
A PLEASURE
SEEING YOU**

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AP-Tech Sp. z o.o.

Warsaw Office

Dzielna 60,
01-029 Warsaw, Poland

E-mail: **biuro@ap-tech.pl**

Phone: **+48 602 213 753**