



LABEL  
YOUR  
DATA

Case study

Aviation

# POLYGONAL ANNOTATION FOR SEARIDGE TECHNOLOGIES

# Overview

Searidge Technologies, a leader in AI video solutions for aviation, collaborated with Label Your Data to enhance their image annotation process for AI applications.

Images:

**57 000**

Objects:

**90 000+**

Annotators working simultaneously:

**2 -10**

Timeline:

**December 2022** — ongoing

## Client

Searidge Technologies provides AI-powered video solutions for airports and air navigation providers, enhancing surface management, safety, and digital tower operations.

## Challenges

Manually annotating large datasets slowed down their AI model development. The aviation technology provider needed accurate and faster annotation workflows.

## Solutions

Label Your Data provided an on-demand annotation team using their proprietary tool, handling ad-hoc requests and ensuring efficient polygonal annotation without added costs.

## Results

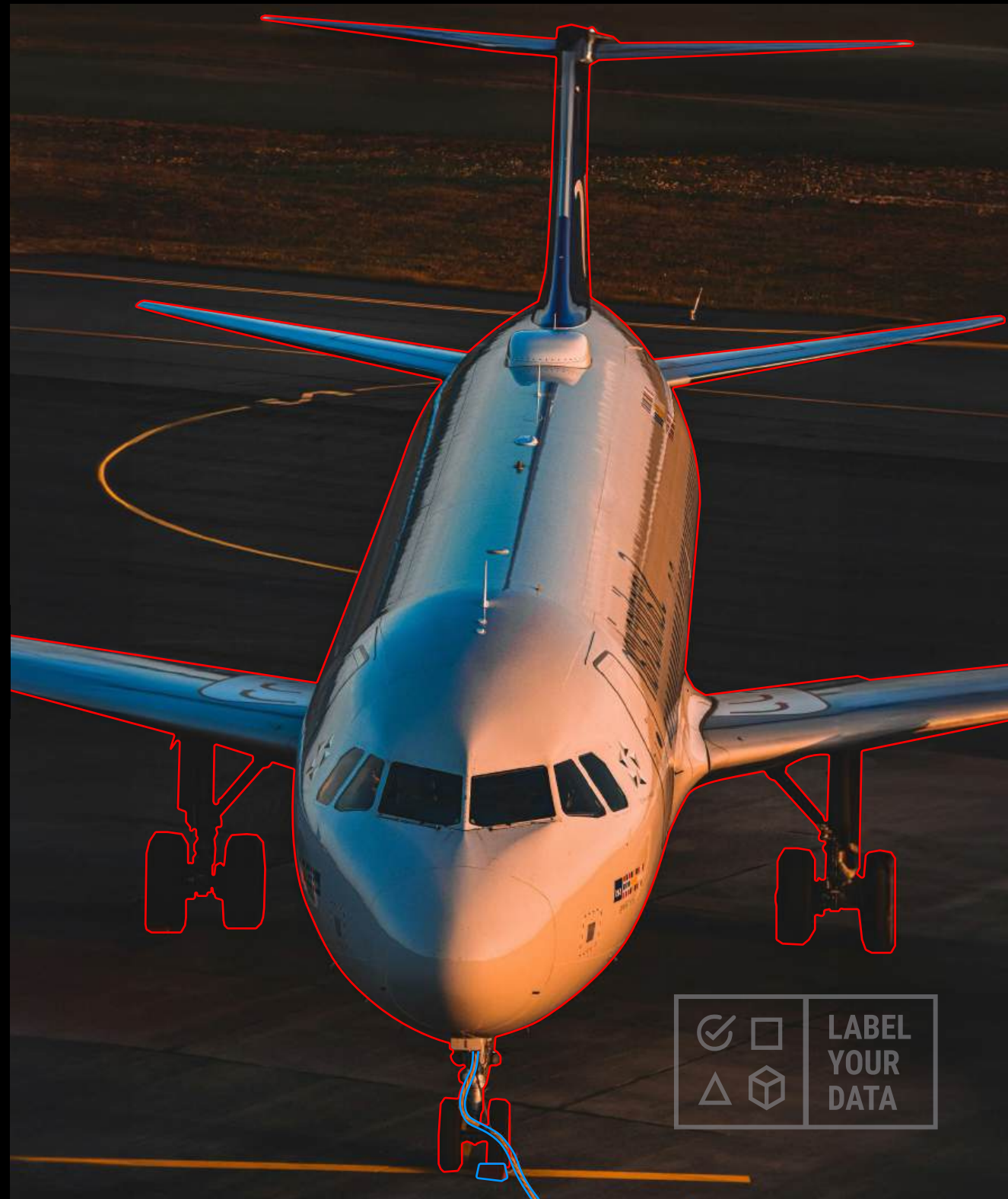
Faster annotation turnaround times improved AI model performance and streamlined project workflows, enhancing solution delivery for Searidge Technologies.



# Client

Searidge Technologies delivers AI-driven video solutions for airports and Air Navigation Service Providers (ANSPs).

With over 15 years of expertise, they are pioneers in operational video systems and AI for air traffic control.



# Challenges

The intelligent video solutions provider faced challenges with manually annotating vast datasets, which required precision to enhance their AI models.

The process was time-consuming and needed expert support and proper quality control measures to ensure accurate model outputs.

- Annotating **90 000+** objects on **57 000+** images.
- Manual process delays.
- High-quality standards for model accuracy.
- Ad-hoc annotation requests.



# Solution

Label Your Data recommended an on-demand business model with a flexible annotation team with 2 to 10 expert annotators working simultaneously.

Using their proprietary tool for polygonal annotation and the client's FTP for data exchange, they managed data preparation and tool maintenance. This ensured efficiency without additional costs for Searidge.

- On-demand annotation team for ad-hoc tasks.
- Data preparation by selecting key frames from client videos.
- Polygonal annotation of complex image datasets.
- Use of proprietary annotation tool.
- No extra costs for tools or setup.



# Results

Label Your Data's quality gates improved AI model performance for the aviation solutions provider and significantly sped up Searidge's data workflows. Turnaround times were faster, enhancing project efficiency.

- Faster data turnaround times.
- Enhanced model performance.
- Streamlined workflows, research and development efforts.
- Accelerated solution delivery processes.

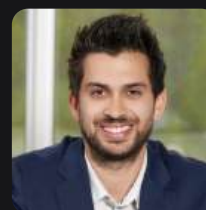




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*The accelerated turnaround times for annotated data have significantly enhanced our project workflows, allowing us to streamline our solution delivery process.*

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Josha Bharadwa

Head of Platform and Products, Searidge Technologies

# Run a free pilot



✓ **No commitment**

Check our performance based on a free trial.

✓ **Flexible pricing**

Pay per labeled object or per annotation hour.

✓ **Security-compliant**

Work with a data-certified vendor: **PCI DSS Level 1, ISO:2700, GDPR, CCPA.**

✓ **Tool-agnostic**

Working with every annotation tool, even your custom tools