turing
agile AI

Turing Aerial Object Detection

Identify, classify and extract properties of objects from aerial images

OUR MODELS ARE USED TO FIND OBJECTS AND INFRASTRUCTURES AND TO MEASURE AREAS OF INTEREST USING AERIAL OR SATELLITE PHOTOGRAPHY

- **Cost effective**
- **Precise model**
- **Customizable**

Locate business opportunities from aerial images, detect assets from competency, measure and extract properties maintain your infrastructure detecting failures.

Land measurements

- Pixel level segmentation to classify terrain type and measure or delimit areas
- It allows locating and segmenting aerial and satellite images, in order to carry out classifications and measurements for your company, or to detect natural changes.

Save up to 90% in time and effort measuring areas

Locate assets

- Deep Learning for object detection in satellite or aerial image
- It allows locating infrastructures and facilities from aerial and satellite images, in order to find new business opportunities for your company, or to detect structural changes.

Generate sales leads

Maintenance

- Anomaly detection and Predictive Maintenance from drones
- Anomaly location to focus the maintenance effort in the areas of greatest need and help plan the work orders of your team.

Predict failures

turing
agile AI

Based on most recent Computer Vision models, customized for your business case
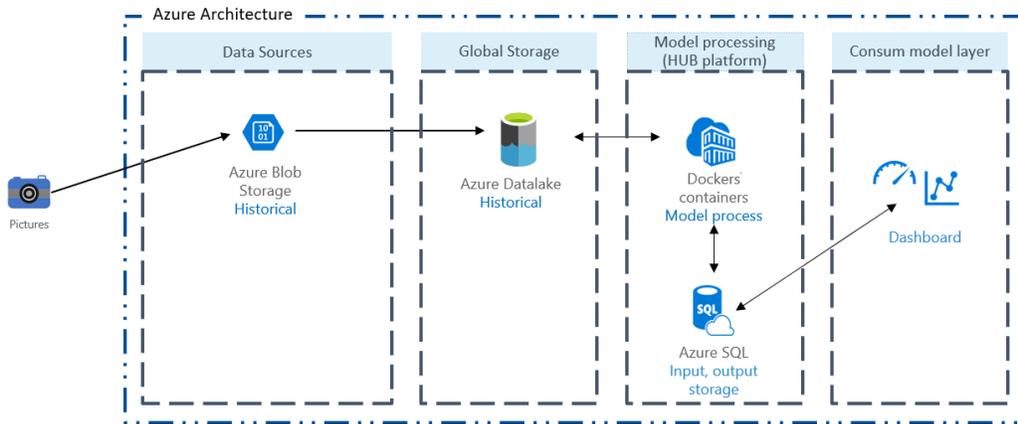
Proof & Statistics

- Updated to use latest models and technologies on market
- Model accuracy beyond 80%
- Adaptable solution ready to satisfy new challenges

Proof & Statistics of Joint Solution

- Components and services needed to fit every business demand
- Microsoft Azure 99.99% availability
- Pay what business needs according to demand

Turing Aerial Object Detection

Our promise to you

In two weeks your business will be able to identify objects from images in your repository.

An offer to get you started

- Custom model for:
- Classifying about 5-10 kind of images of your interest
- Full integration design in your environment

Azure Architecture

Data Sources	Global Storage	Model processing (HUB platform)	Consum model layer

Pictures

Azure Blob Storage
Historical

Azure Datalake
Historical

Dockers containers
Model process

Azure SQL
Input, output storage

Dashboard

Tangible Benefits

- Agile your business processes applying automatic AI Computer Vision techniques.
- Reduce your maintenance invoice predicting costly failures.
- Improve your sales identifying potential opportunities using aerial images.

Why Turing Challenge?

Turing is focused on three pillars:

1. Look for client business value.
2. Agile and cost-effective projects.
3. Provide post-production managed services for solution maintenance and operation.

We are 100% focused on Artificial Intelligence using Microsoft Technologies: Azure Gold Partner, CSP and Microsoft AI Inner Circle Partner.

turing
agile AI