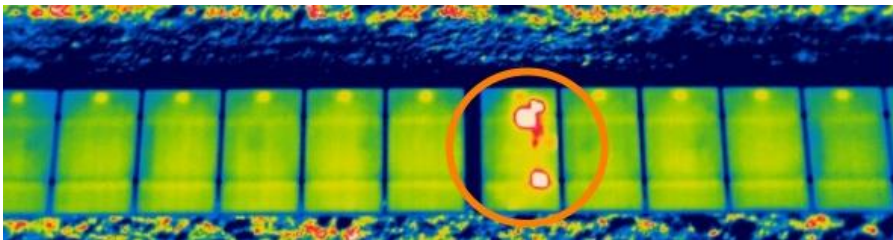# Turing Computer Vision

Classify, identify objects, and evaluate images and videos

Our models detect and classify images and objects, both in real time (video) and in stored images.

Locate business opportunities from aerial images, improve the QA of your products, maintain your infrastructure detecting failures, or ensure that employees are wearing proper PPEs.

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

Detection and classification

- Classify objects in images from type or model to damage or quality
- Detect and classify anomalies
- Extract characteristics from detected object

Save up to 90% in time and effort classifying images

People and objects

- Detect people and extract characteristics (age, emotion, etc.)
- Analyze what is wearing or not (mask, helmet, gloves, etc..)

Guarantee personnel security

Visual and thermographic

- Use thermographic pictures to detect thermal anomalies
- Combine visual and thermographic to double-check failures.

Improve model precision combining different sources

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
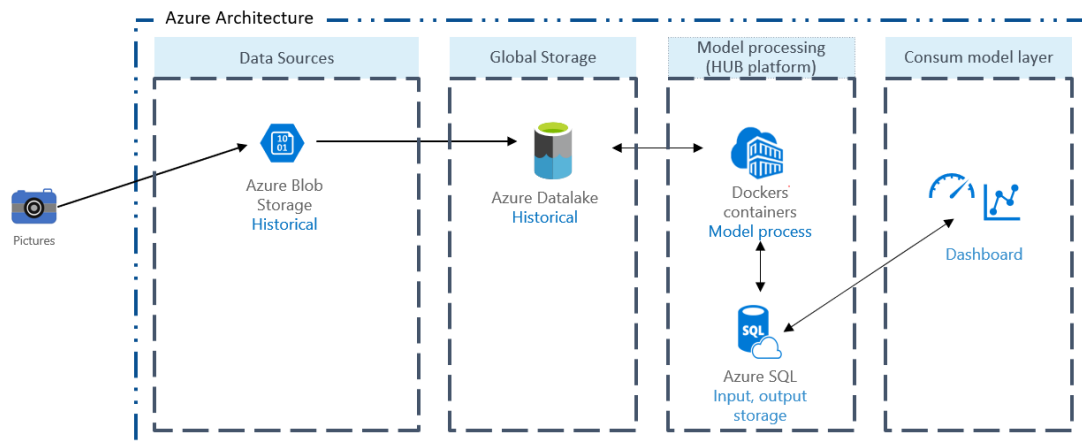- Pay what business needs according to demand

Turing Computer Vision

Our promise to you

In two weeks your business will be able to classify images from 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.

2020 Turing Challenge | www.turingchallenge.com

turing
agile AI