

A-eye Tech

A-eye Vision Engine



2 Billion

CCTV Cameras Installed Globally

The need to automate and improve operational efficiency and safety in our physical spaces has never been greater.

Approximately **two billion** video cameras have been deployed throughout the world's cities and spaces to help us live better and safer.



The Problem.



Human Resources

Businesses rely on 3 employees in each Branch/Store/Building who are responsible for accurately watching and analyzing footage on a 24/7 basis from hundreds of cameras in real-time.



Speed & Accuracy

Psychophysical research indicates that the observers missed many targets (60%) when required to monitor 9 displays with 4 Cameras each.



Built-in Cameras

It is impossible to modify the capabilities of cameras with hardcoded, built-in features.

Naturally, businesses want to use their existing technology/cameras and capitalize on their current investments.





What is **A-eye** Tech ?

A-eye Tech is a computer Vision Solution based on **Artificial Intelligence** techniques, providing our clients with analytical tools which enable them to understand their businesses in a revolutionary, High-Tech and accurate way.

By converting the CCTV cameras videos into tons of analytics enabling corporates and governments to automate critical functions.

A-eye Tech

A-eye Tech Vision Engine

END-TO-END AI
ENGINE TO
SOLVE REAL
WORLD
PROBLEMS



Unlimited

Cameras

Easily surpass human capabilities to analyze Unlimited number of cameras in **Real-Time**.



Adjustable

Features

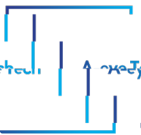
Ai Customizable models that fit perfectly with your unique use case, industry and environment.



+99.9 %

Reachable
Accuracy

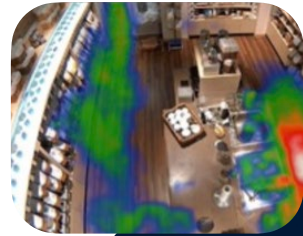
Deep Learning(DL) has managed to achieve reliable results in classifying objects in an image and taking decisions upon it with state of the art accuracy.



A-eye Tech Vision Features

Business Features

Analyzing Customers' experience and behavior to gain insights and drive business planning based on data and statistical methods.



Operations Features

Employees' performance and service time to improve efficiency and streamline everyday operations in real time.



Security Features

Analyzing millions of real-time streaming cameras to produce proactive security measures and alerts.



Traffic Features

Generate meaningful parameters for traffic control and road engineering in order to improve efficiency of road utilization



Inspection Features

Analysis of Quality inspection which provide critical measurements accurately, faster and with better repeatability than manual methods.



Logistics Features

Analysis of Logistics movements which provide critical Predictions and reliable Planning methods

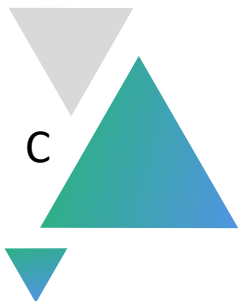


Target Market Size

A-eye Tech has developed state of the art AI system that can adapt and be customized to any industry.

It's a hardware agnostic, meaning it can work on any hardware from embedded devices to powerful servers.

It can process any number of video streams, starting from one camera up to millions of cameras simultaneously. It can also work on edge, the cloud or both.



Different Categories & tools in One Product

User friendly and highly customizable categories' features & clients' tailored tools based on existing infrastructure



1- Business Analytics

- 1.1 Entry/Exit Count.
- 1.2 Age group.
- 1.3 Gender statistics.



Safety Analytics

- Safe Zone
- Safety clothes
- Speed Limit
- Fire Alert



2- Operation Analytics

- 2.1 (Teller/Customer Service) Service mean time.
- 2.2 (Teller/Customer Service) Performance and hourly pattern.
- 2.3 (Teller/Customer Service) Daily number of served customers
- 2.4 ATM performance & hourly pattern.
- 2.5 ATM Mean service time.
- 2.6 ATM Feeding/Maintenance pattern.
- 2.7 Heat-Map and hotspots.



3- Security Analytics

- 3.1 Safe/Room/ATM/Area intrusion.
- 3.2 Left object
- 3.3 Cash detection.
- 3.4 Crowd detection.
- 3.5 Loitering Detection.
- 3.6 Customers intervention detection.
- 3.7 ATM Feeding/Maintenance detection
- 3.8 Live Layout

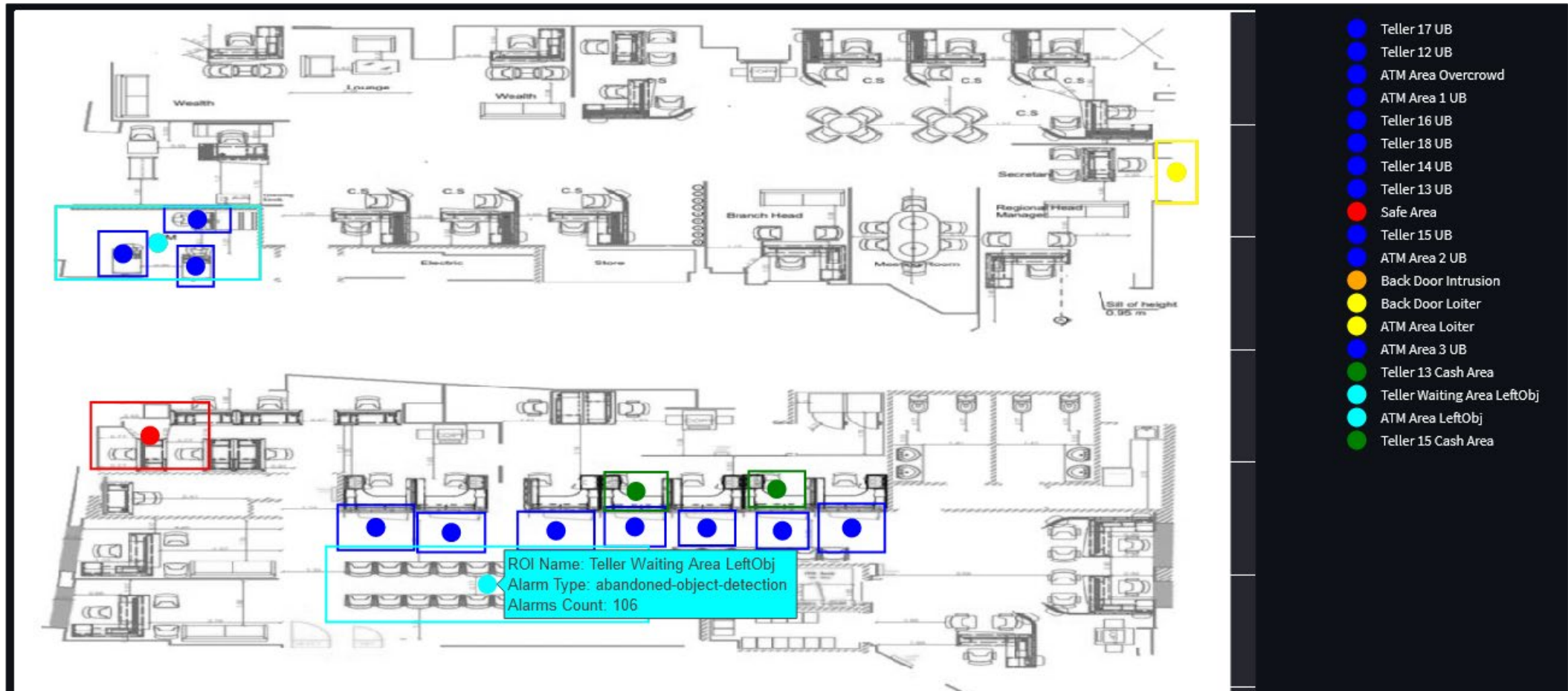


4- Video Search tool

- 4.1 Search videos by text or description
- 4.2 Search by image

Analysis of Alarms mapping

Two floors Branch Live layout alerts



AEYEVE Dashboard

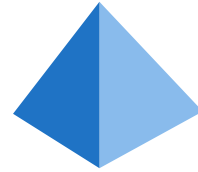
The system has an easy to use dashboard that gathers the millions of data points collected and presents it in an easy to understand format for decision makers.

The system learns and gets better insuring better performance with time on each use case. Meaning it doesn't need a lot of data up front.





This advanced AI solution is powered by the **Irish company “A-eye Tech” with its operational and technical support centers in Cairo Egypt**, designed for cost-effective and Data-driven Vision applications.



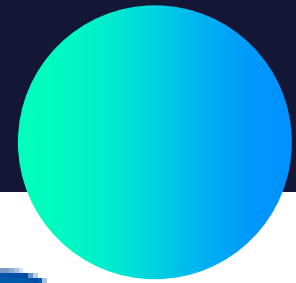
We’ve built our product based on **Central bank of Egypt CBE** regulations for Surveillance. And we **customized** the features to align with the dynamic daily Operations, and Security tasks.



Our Edge:

- Nvidia advised that A-eye Tech is 1 of 3 companies worldwide that developed Ai model currently installed in banking sector built with real life Surveillance data.
- Our Product is scalable with any number of Cameras, any type of IP Cameras.
- Plug & Play installation for Real-time features.
- No Downtime during upgrades. (Micro-services Product)
- Customization for new business inquires.
- Small size Hardware footprint required.
- Technical Partnership with Nvidia, Milestone, Amazon AWS.
- User friendly Web-Based Dashboard available on different OS (Windows, MacOS, Linux)
- Periodic Reports mails and Mobile APP options are available.





**Powered by
A-eye Tech**



Commercial International Bank (CIB) is the first Bank in MENA Region to adapt the Ai-Vision Techniques in its Branches to enhance Operations and Security driving the business planning based on data and statistical methods.



**Powered by
A-eye Tech**



Mercedes in Egypt is the first Logistics Area in MENA Region to adapt the Ai-Vision Techniques to enhance Operations and Security, driving the business planning based on data and statistical methods.

Recurring Revenue Model



Command
Center
License

Subscription License by
years customized to
number of locations.

Branches
Licenses

Subscription Licenses by
years customized to **number**
of **Cameras and features.**

Events
License

Subscription Licenses by
number of events customized to
number of Cameras and
visitors.

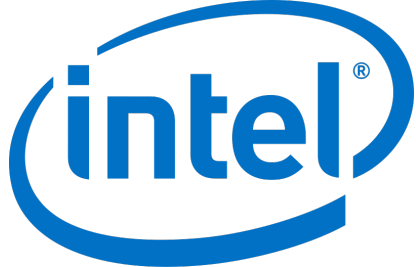


Partners & Technologies

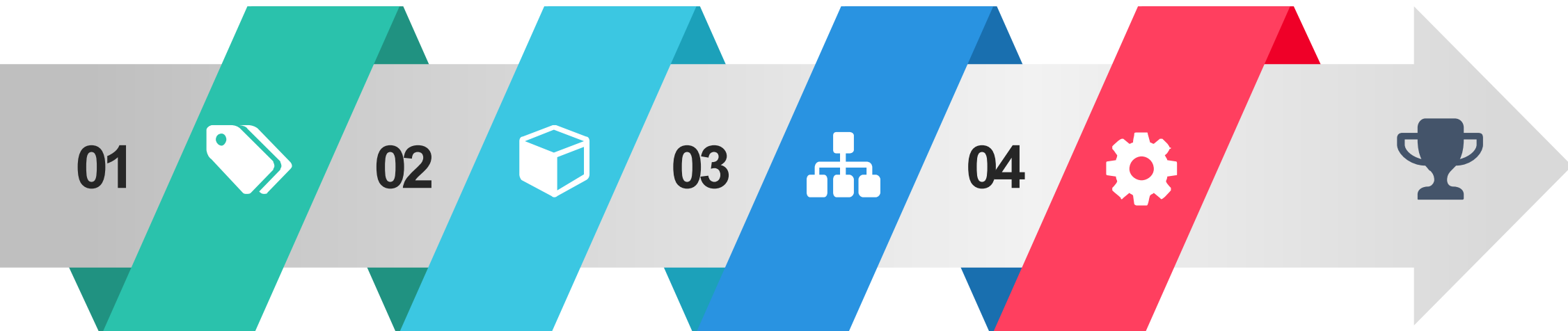
The system can handle trillions of data points and parallel queries.

The system is fully tested and integrated with the most advanced CI/CD deployment and orchestration tools available on the market.

It can handle huge amount of data in real-time, generate reports and alerts in real-time on an advanced dashboard.



Road Map



01



02



03



04



General
Vision
Engine

Expand into
other Industries
& other
countries

Intelligent
PSIM

Other types of Ai

300K \$ yearly

2 Mil \$ yearly

Board Members

Abdelghaffar Ismail

Founder and CPO
Founded A-eye Tech in 2018 and incubated
in AUC Venture Lab, NilePrenueres, CIB
Innovation Lab

Mohamed Ali

CEO
Ex- Apple Machine Learning Engineer

Tarek Elshenawy

CBDO
Chairman of Cascade Solutions inc
EMBA, Business Administration,
Management and Operations, TRIUM
Global Executive MBA

Ahmed Abdelsalam

Sales Director
Managing director at Cascade solutions
inc
Ex- CISCO Regional Manager for 12 years
Ex- Palo Alto Regional manager for 4 years

Ahmed EISanhory

Sales Director
Sales director at Cascade solutions inc
Ex- Security presales Manager at Raya
IT for 10 years.

Ahmed Awad

R&D Director
BigData Phd from Hasso-Plattner
Institute, Potsdam University, Germany
+60 publications in international journals

Call for 3 Mil \$ Investment

01.

Expand Teams

As our company grows and our market share increases, our company must adapt. With 35% of the investment.

02.

New Markets

Gain market share in other countries than Egypt. Directed to Gulf and Europe with 30% of the investment.

03.

New industries

Customize our Product to adapt to another industries especially Logistics and Inspection with 20% of the investment.

04.

Research

15% of the investment will be directed to Research and Intellectual property rights.



Thank You

For More Information

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