THE POWER OF

ALL-OVER-IP

# FACIAL RECOGNITION AND MARKET OPPORTUNITY

Eagles Foundation
Security Experts

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AHMED MOSTAFA @INFO SEC RUSSIA

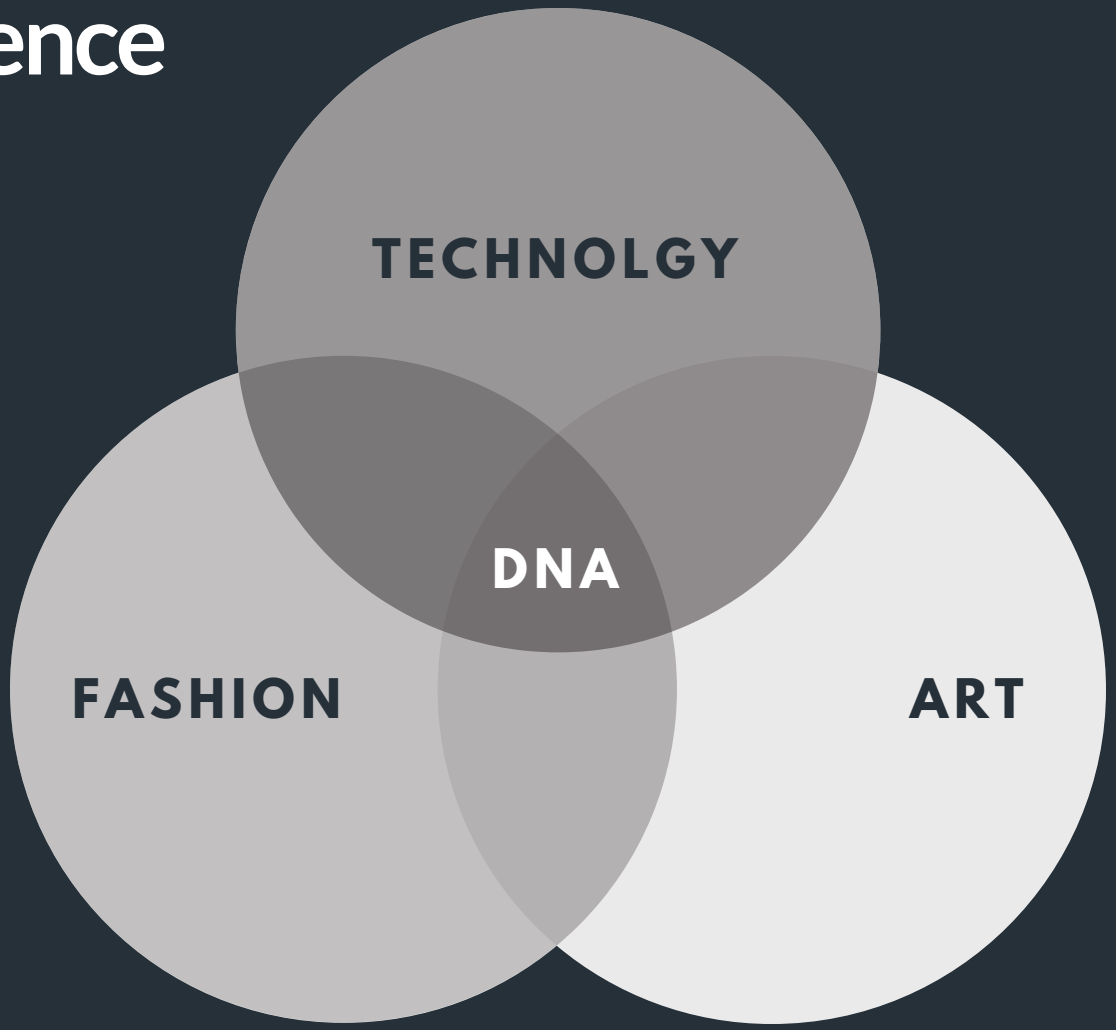
## A QUICK

# OVERVIEW

- Intro for Face-Recognition
- Face Recognition Methodology
- Challenge in Technology
- Market Leaders
- Market Products
- Market Size
- Hunting Market

# Communicating with our audience

**WORDS AND TECHNOLGY THAT ENGAGE AND MOTIVATE.**



# PROCESS FOR SOFTWARE

FOUR SMALL TIPS TO HELP YOU TO DO A GOOD FACE RECOGNITION SOFTWARE

**A DIGITAL CAMERA ACQUIRES AN IMAGE OF THE FACE**

**FACE DETECTION**

**SOFTWARE ANALYZES THE SPATIAL GEOMETRY**

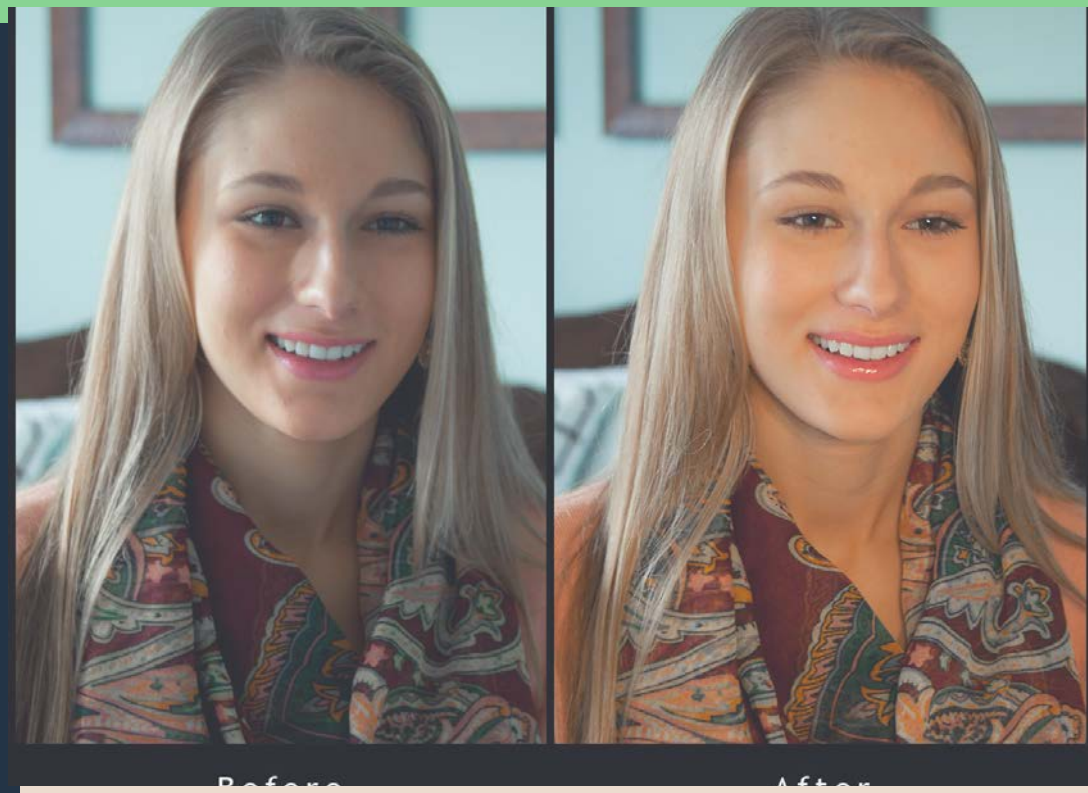
**SET A TEMPLATE**

# Cheap is useless !!

# Challenge in face recognition Technology!!

# Variable image lighting and background

#1

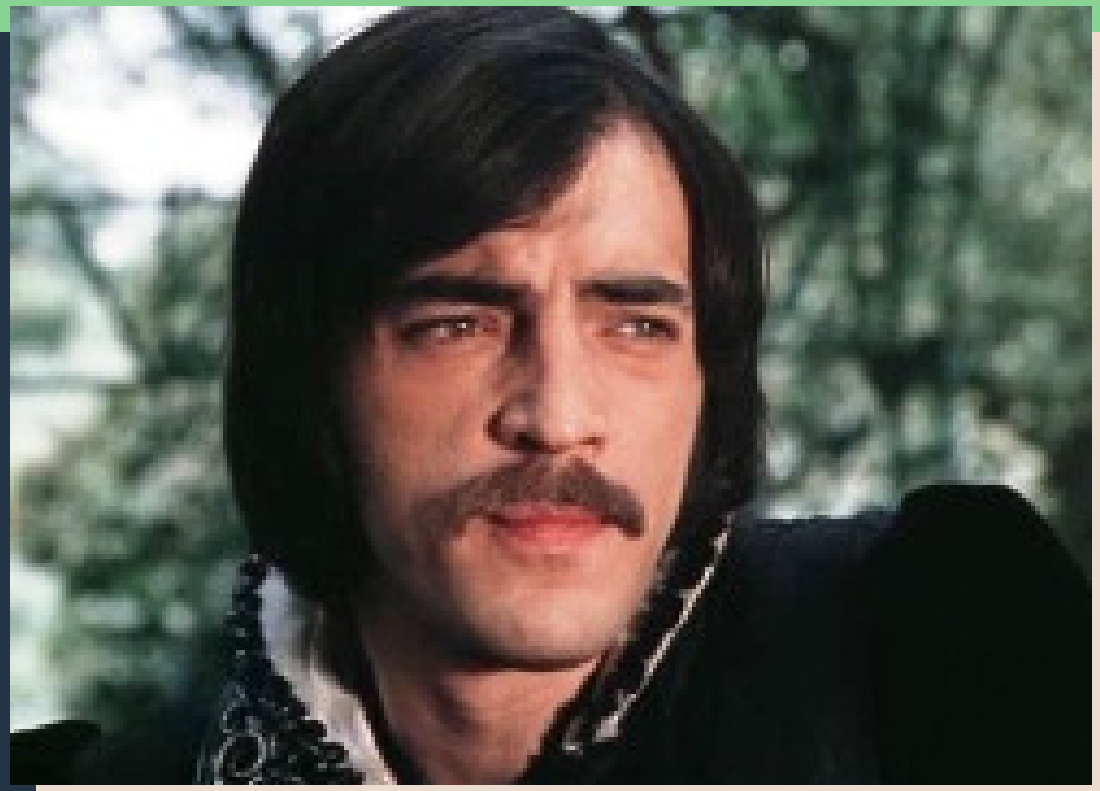


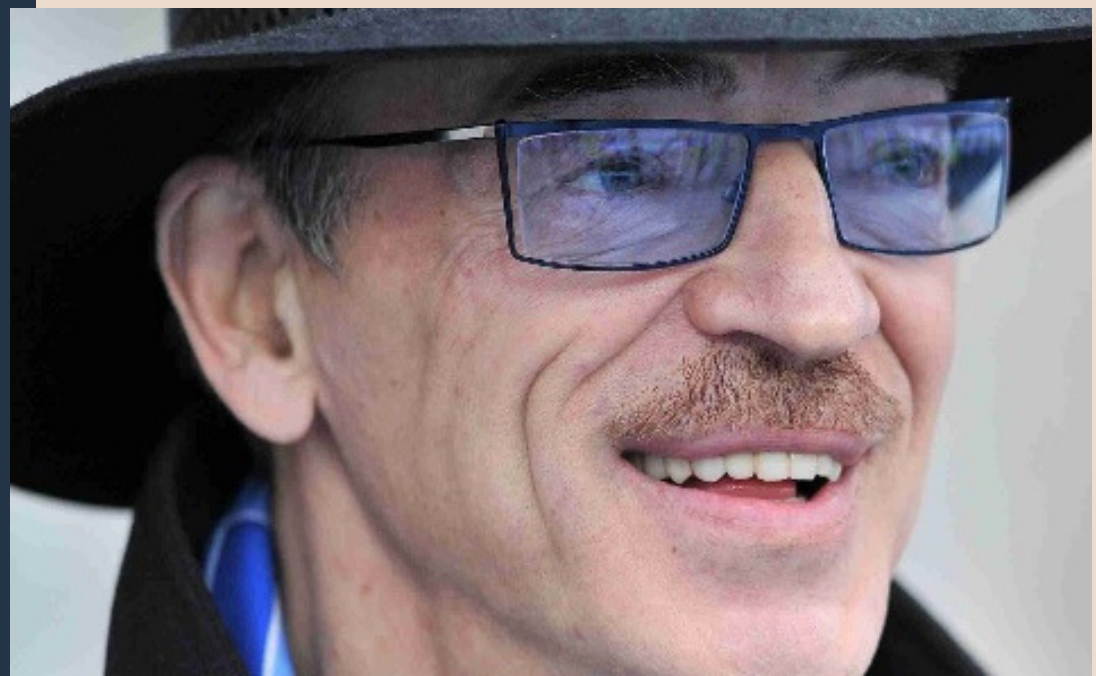
# Parts of the face are covered

#2

# The face of a subject changes with ageing.

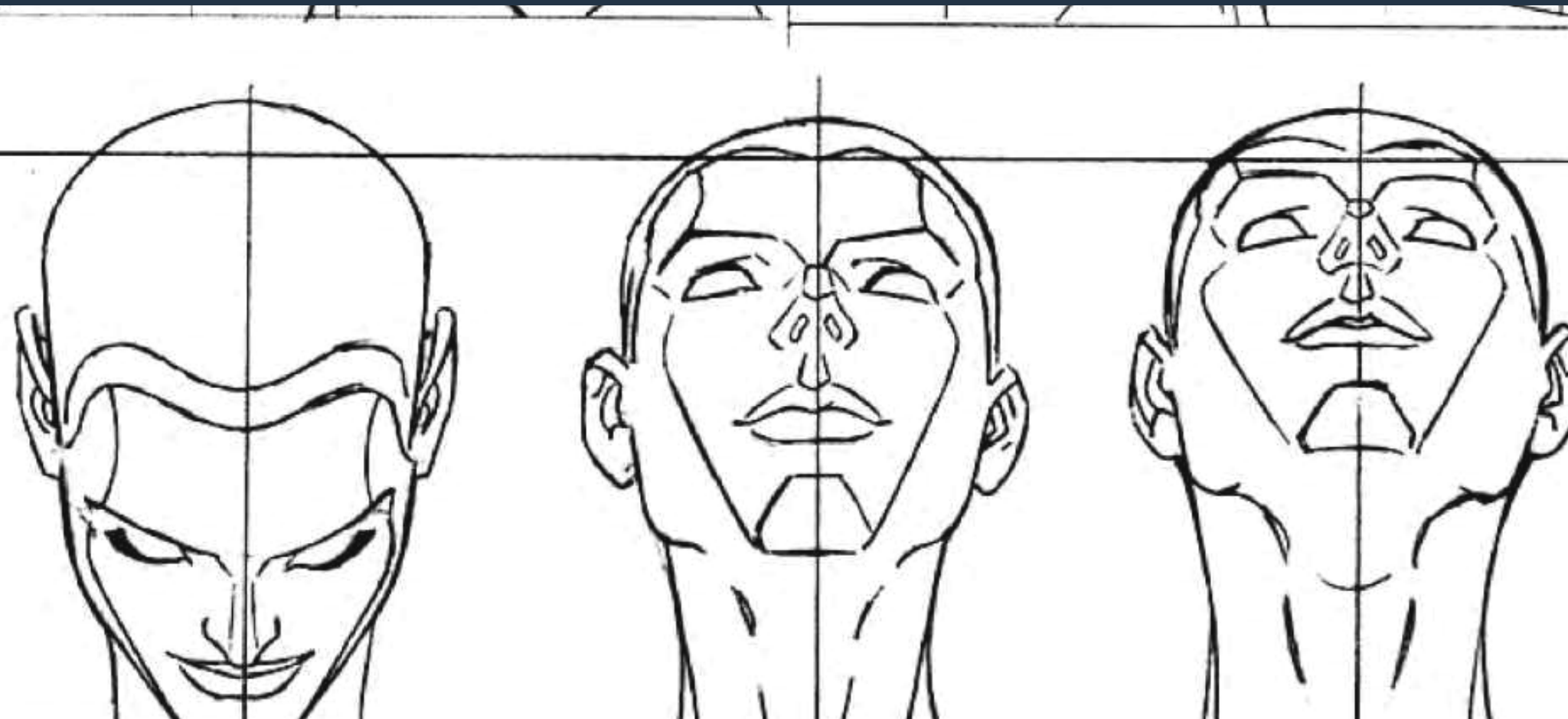
#3





# Different angle

#4

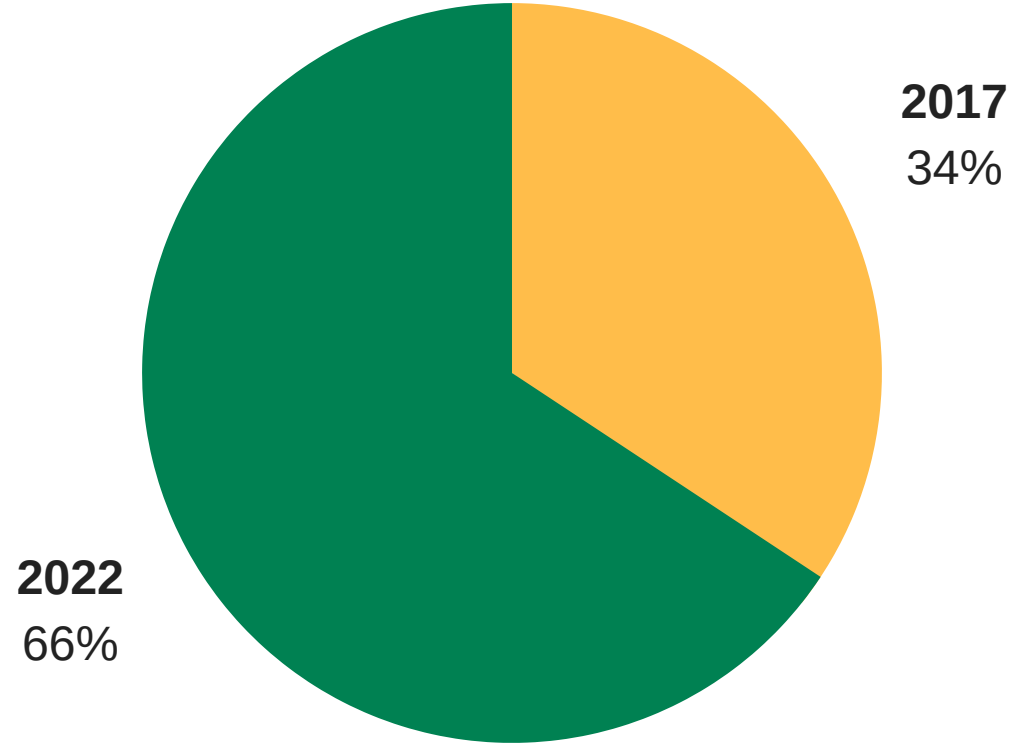


# Using different types of cameras

#5

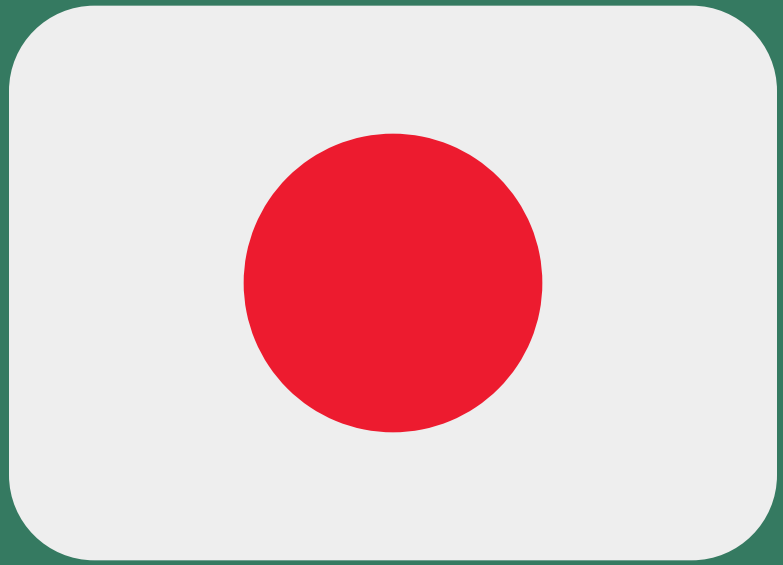
# Market Assessment

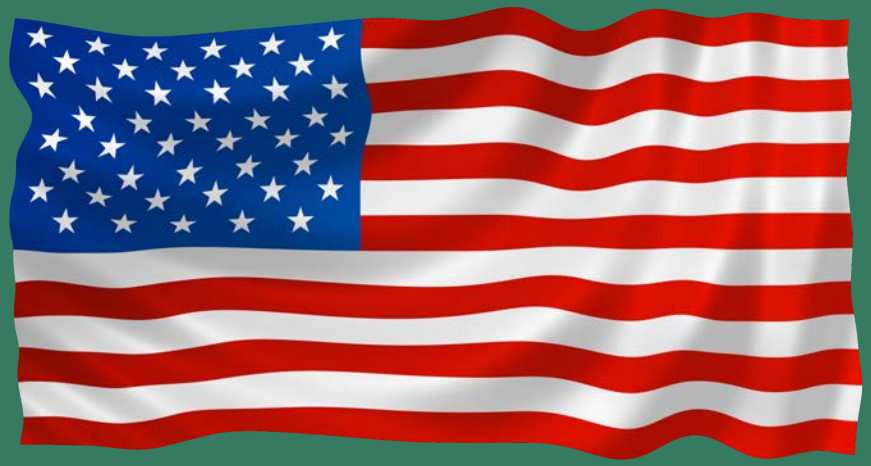
+%




**The global facial recognition market is expected to grow from 2017 to 2022**

# Market Players





- **The Chinese government is working to combine its 170+ million security cameras with artificial intelligence and facial recognition technology to create a vast surveillance state.**

- **The government isn't quiet about its efforts, often playing up technological successes in state media to convince the populace of its impressive capabilities.**

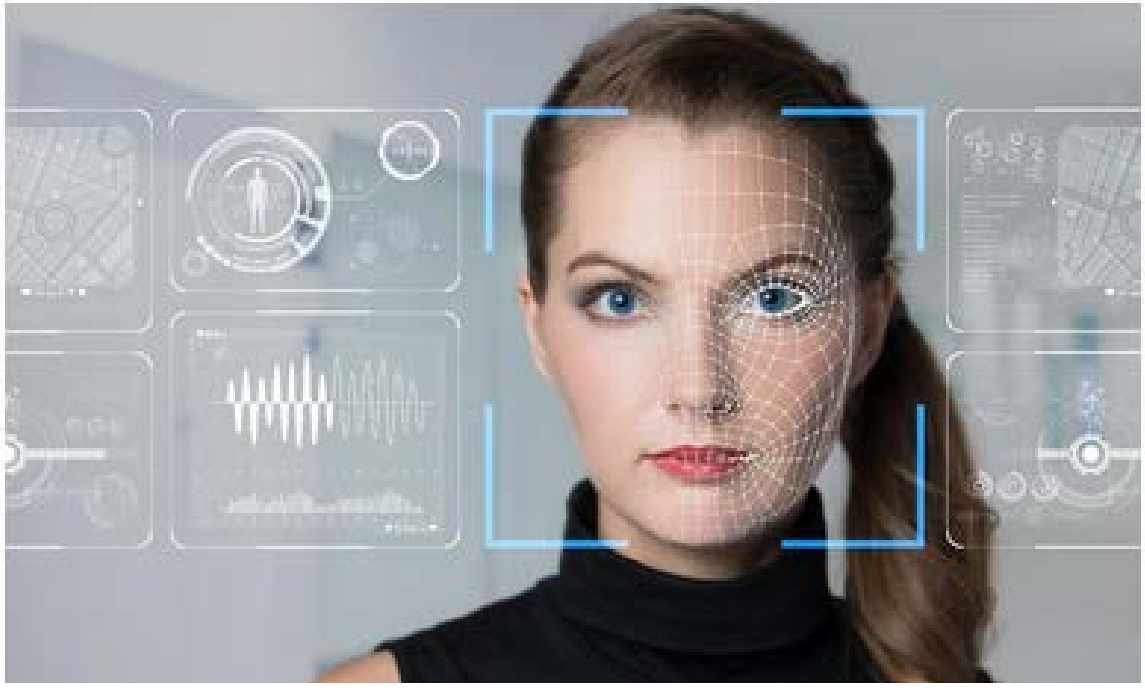
- **But recent reports suggest that the technology is not as ubiquitous or useful as the government wants its citizens to believe.**

JAPAN HAS A SOFTWARE WHICH CAN ACCURATE UP TO 99.9%

IT CAN ALSO MAKE 2 SEARCH TIME TO FIND A PERSON IN 1 MILLION RECORDS!!!

# Russia No. 1 In Facial Recognition, According To Official Washington Spycraft Techies

**Kenneth Rapoza** Senior Contributor ⓘ
*I write about business and investing in emerging markets.*



**WORLD CUP CHALLENGE!!**

FACEBOOK, GOOGLE HAS BEEN START TO USE FACE RECOGNATION SYSTEM TO USERS

Image may contain: 1 person, smiling, text

# Opportunities markets

MENA

Asia Pacific

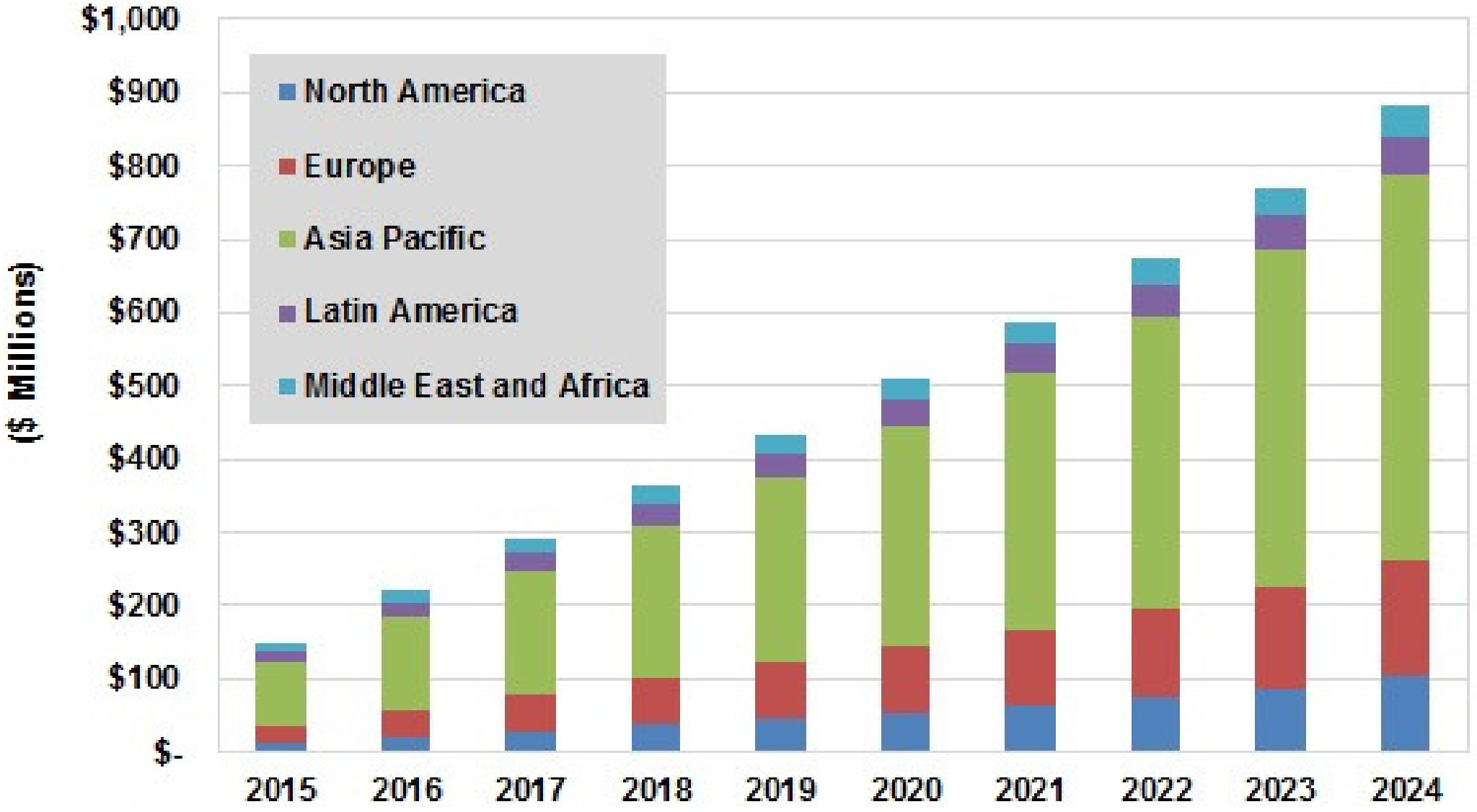
Latina America

Europe

North America

Tractica

## Annual Facial Biometrics Revenue by Region, World Markets: 2015-2024




*Source: Tractica*

# BY CASE

- Emotion recognition
- Attendance tracking and monitoring
- Access control
- Law enforcement
- Others (robotics and eLearning)

# BY END-USER

- Government
  - o Homeland Security
  - o Military
  - o Healthcare
  - o Banking, Financial services, and Insurance

# THAT'S ALL, FOLKS!

**THANKS FOR ATTEND THIS SESSION**

You can contact at +201019121380 or email Admin@EF-TS.com

**Ahmed Mostafa**