VIRA KAVIR

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Azam Karami

- Associate Professor, Head of Image Processing and Robotics Lab, Shahid Bahonar University, Iran (2014-Present)
- Founder, CEO, Vira Kavir Company, Kerman, Iran (2018-Present)
- Postdoctoral Researcher, Department of Electrical Engineering, Purdue University, USA,2018-2021
- Postdoctoral Researcher, Vision Lab, University of Antwerp, Belgium,2014-2017
- Ph.D., Electrical Engineering-Telecommunications-Systems, Shiraz University, 2012
- Published more than 30 journal & 60 conference papers & 20 outstanding industrial projects

- Received the best project award Iran organization from Management of Electric Power Generation and Transmission (Tavanir), December 2019
- Selected as the top researcher, Ministry of Science, Research and Technology (Iran), March 2020
- Selected as the distinguished faculty member and industrial researcher, Shahid Bahonar University of Kerman, 2020 & 2021
- Patent A.Karami, ”Laser Image Measuring Object Dimensions”, G01B 00/11, 2019

Vira Kavir Team

Azam Karami
CEO
Associate Professor
PhD. Electrical Engineering
15 Years Experience
(Machine Learning,
Remote Sensing)

Mitra Peiro Hosseini
CTO
MS.c. Photonics
8 Years Experience
(Machine Learning,
Dataset Management)

Sharzad Faladat
Head of Image Processing Team
Ph.D. student Optics and Laser
10 Years Experience
(Design Optical Equipment,
Machine Learning)

Zahra Attari
Head of Aerospace
MS.c. of AI
7 Years Experience
(UAV Firmware developer,
Machine Learning)

Zahra Sargolzadeh
Business Developer
MS.c. Accounting & Finance
8 Years Experience
(Accounting,
Dataset Expert)

Vira Kavir Team

Ali Mohmmad Hossein Zadeh
CBO
Ph.D. Computer Science
20 Years Experience
(Web Developer)

Saleh Sarafraz
Head of Aerospace

MS.c. Aerospace
12 Years Experience
(UAS Design)

Ashkan Adibi
Head of Optic & Laser
Ph.D. Optics and Laser
15 Years Experience
(Design Optical Equipment, Machine Learning)

Amin Backtash
Drone Pilot
MS.c. Aerospace
6 Years Experience
(UAV Pilot)

Amin Dehghan
Drone Pilot
MS.c. Aerospace
3 Years Experience
(UAV Pilot)

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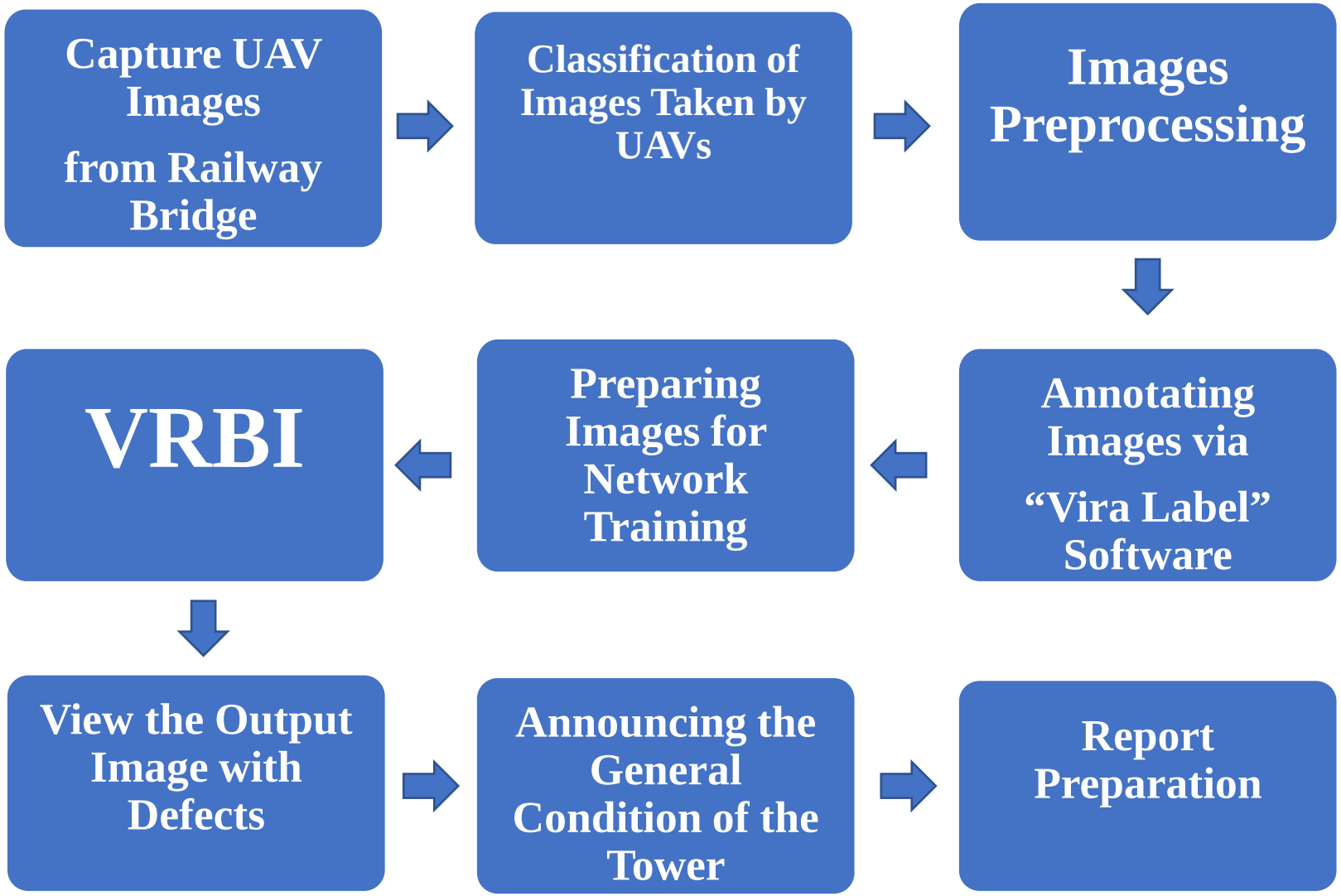
Solution

VRBI a web platform:

- More than 7 years research and coding
- More than 6 years Capturing photos
- More than 7 million images



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Marketing Plan in Urban Management

Defect detection:

- Roads
- Railways
- Bridges
- Tunnels

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Sample of Defects

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Sales

Industrial Project Funding

Total project funding received amounts to $950K as PI

- PI: A.Karami, ” Automatic Fault Detection in Railway and Bridge)”,, $150K, 2023-2025

$

How we can deliver?

- Assess Towers Types
- Optimize VRBI Models
- Add Arabic Language
- Customize Defects
- Customize Reports
- Add Repair Operation Functionalities

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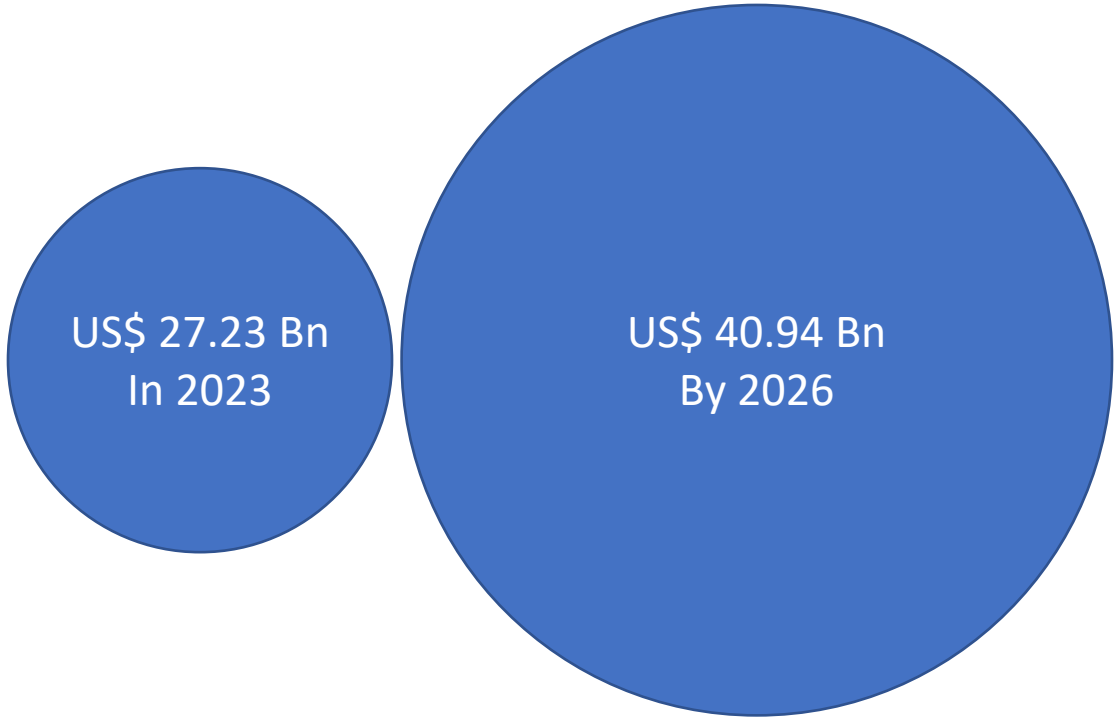
Market Size



The Railway Inspection Markets

The Middle East and Africa is a Railway Inspection leading market.

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Business Model

Capturing UAV Images (Per KM)

$ 50

AI Fault Detection

- **Free Trial Version (Up to 100 Images)**
- **Limited Plan (Per KM, up to 200 Images)** — **$10**
- **Unlimited Plan**
  - **1 Month License** — **$ 10,000**
  - **3 Months License** — **$ 25,000**
  - **1 Year License (Discount: Up to 15 %)** — **$ 98,000**
  - **White Labeling 1 Year License (Discount: Up to 15 %)** — **$ 170,000**

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Competitive Advantages

7 Million Images Dataset

90 Types of Defects

High Compatibility Software

Free Trial

Low Cost

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Thank You

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