

AI4IV
EYES AND MINDS

Vision Beyond Limits

Enhancing Imaging with Bio-Inspired Precision

2025
PRESS KIT



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www.ai4iv.com



AI4IV

COMPANY OVERVIEW

ABOUT US

AI4IV is pioneering a new era in vision technology with bio-inspired sensors that capture artifact-free images in any lighting condition while processing visual data as effectively as the human eye and brain. Our cutting-edge solutions ensure precision and reliability in even the most challenging environments, empowering AI-driven systems with superior imaging capabilities.

MISSION

To bridge the gap between biology and technology by developing advanced vision solutions that empower AI systems and unlock human potential.

VISION

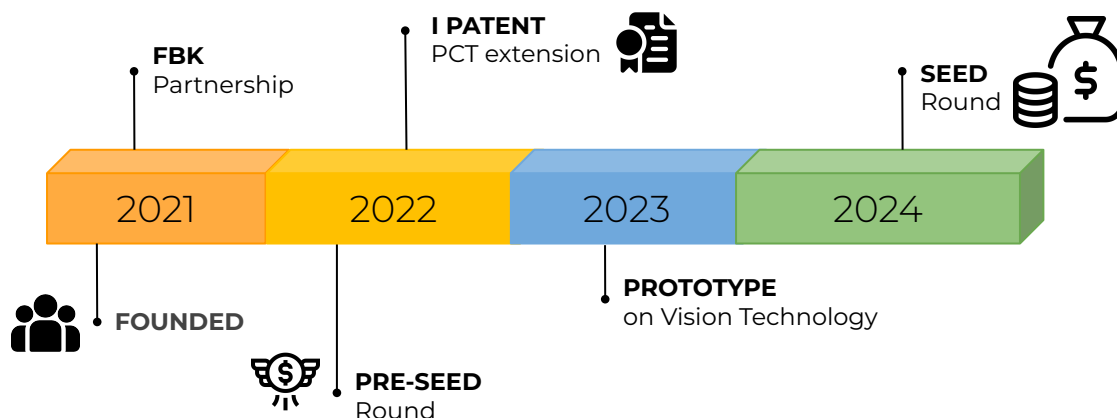
To become the global leader in adaptive vision technology, driving innovation and setting new standards across industries such as AI, IoT, robotics, and surveillance.

FACT SHEET

FOUNDED	2021
HEADQUARTERS	Amaro (UD), Italy
INDUSTRY	Vision Technology, AI
TECHNOLOGY	Bio-Inspired Sensors
KEY MARKETS	Autonomous systems, industrial AI, IoT, surveillance

KEY MILESTONES

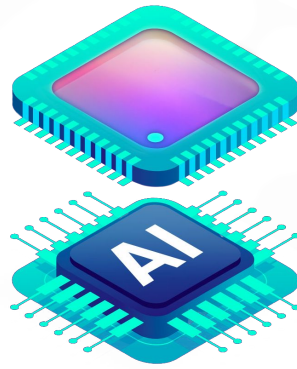
- Partnership with **Fondazione Bruno Kessler (FBK)**, a leading Italian public research organization
- **Patent application** for sensing and on-chip processing technology
- **Pre-seed round** funded by **founders and angel investors**
- **Seed** funding round led by **Zest & Deep Ocean**



PRODUCT OVERVIEW

Bio-Inspired Sensing

Sensor built on an array of **FlyEye® Receptors** that capture the scene individually adapting to any light condition



Bio-Inspired Processing

AI engine based on **Tensputers®** elaborate information emulating the biological equivalents of digital Deep Neural Networks

KEY FEATURES

- **Artifact-free image capture in extreme lighting conditions**

This ensures that the device can capture high-quality images without visual distortions such as software artifact, overexposure, or underexposure, even in challenging environments.

- **On-chip DNN processing capability**

With built-in deep neural network (DNN) processing, the device enables real-time analysis of visual data without relying on external computing resources or internet connection.

- **Optimized for AI and IoT integrations**

The device is designed to seamlessly integrate with artificial intelligence (AI) and Internet of Things (IoT) ecosystems. It can easily connect with popular AI frameworks (e.g. PyTorch, TensorFlow) and IoT platforms.

APPLICATIONS

- **AI-Driven Systems**

Enhancing image data quality for precise AI predictions.

- **Robotics**

Improved vision capabilities in autonomous machines.

- **IoT Devices**

High-fidelity vision for connected technologies.

- **Healthcare**

Advanced imaging solutions for diagnostic devices.

- **“AI4IV at Consumer Electronic Show 2025”**

Dec 23, 2024 - AI4IV is thrilled to announce its selection by the Italian Trade Agency (ITA) to exhibit at CES 2025. [...] At CES 2025, AI4IV will present its cutting-edge bio-inspired vision sensing technology, which delivers artifact-free, high-quality images even in challenging lighting conditions. This technology empowers AI systems with unparalleled accuracy and reliability, driving advancements in perceptive AI applications across various industries.

<https://www.ai4iv.com/XXX>

- **“AI4IV Featured in InVISION’s Top 20 Tech Startups of 2024”**

July 3, 2024 - AI4IV selected as one of the Top 20 vision start-ups by inVISION magazine. InVISION focuses on the topics ‘Image Processing – Embedded Vision & AI – 3D Metrology’ and presents inspection solutions for the industry. Being selected among the top startups in this domain represents a great recognition of our commitment and a validation of our mission to revolutionize the way vision is integrated into everyday technology.

<https://www.ai4iv.com/?p=1236>

- **“AI4IV completes Magic Spectrum Acceleration Program”**

June 26, 2024 - The Magic Spectrum “Demo Day” event in Milan marked the end of the acceleration program for six Italian start-ups, including AI4IV, who had the opportunity to present their companies, solutions, business model and go-to-market strategy to selected prospective investors.

<https://www.ai4iv.com/?p=1225>

ARTICLES

- **inVISION article, July 2024**

“AI4IV has developed a completely new vision sensor technology that combines the advantages of neuromorphic devices with those of digital CMOS devices. AI4IV's camera chips can acquire images without artifacts in the most challenging lighting conditions and accurately extract the relevant information from the scene. Some of the target use cases for this technology include security & surveillance, autonomous vehicles, machine vision, robotics, and agriculture.”

<https://katalog.tedomedien.de/index.php?catalog=inVISION-eMagazin-Startups-2024-Neu>

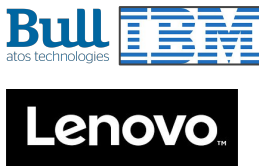


EXECUTIVE TEAM



Giampietro Tecchioli
FOUNDER & CEO

Giampietro has 30+ year of experience in electronics with specific know-hows in AI and HPC. He has been appointed as Director in Companies in Europe, USA and Japan and has taken the role of Group EVP and CTO of the Eurotech Group for 13 years.



Fabio Gallo
FOUNDER & CSO

Fabio has over 35 years experience in senior management roles in the High-Tech sector. He led international sales and marketing organizations for large IT companies such as IBM, Silicon Graphics, Cray, Bull and Lenovo and held senior executive roles, including CEO, in a number of technology start-ups.

IMAGES & ASSETS

LOGO	https://cloud.ai4iv.com/index.php/s/d6GIYzhNkHu0tmp
LOGO (white)	https://cloud.ai4iv.com/index.php/s/Lx9kUZXWxJic7H2
LOGO B/W	https://cloud.ai4iv.com/index.php/s/ISYFwbkFmOa3JAv
PROTOTYPE & CHIP	https://cloud.ai4iv.com/index.php/s/1LyRIqAdeCnVn7S https://cloud.ai4iv.com/index.php/s/0WzniFFcDoJY8KV
TEAM	https://cloud.ai4iv.com/index.php/s/eDZjNOfcJ3SvKH5

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