# Astroïleq.ai

## COMPANY OVERVIEW

#### **Executive Overview**

Astroteq.ai is set to transform earthquake readiness with its pioneering Al-driven earthquake forecasting system, designed to alert several days in advance, rather than mere seconds. This innovation grants critical preparation time, empowering governments, businesses, and insurers to implement proactive measures that safeguard lives and assets.

#### The Urgency and Market Gap

Natural disasters such as the Turkish earthquake on February 2023, caused 57,000 deaths and \$109B in damages. Existing alert systems provide just 60-second warnings, insufficient for effective evacuations or securing key infrastructure. Moreover, there is \$160B earthquakes insurance gap.

#### **Key Features & Value Proposition**

- A single detection station, costing just \$100K, can service an area of 200,000 km<sup>2</sup>, which makes Astroteq.ai solution the most cost effective solution in the market.
- Our magnitude threshold is flexible, allowing for targeted alerts focused on impactful seismic events.

#### **Key Investment Merits**

- MoU with the Israeli Aerospace Industries (IAI), the Geological Survey of Israel (GSI), NSET, and NCDM
- Lol with Beazley Furlonge Limited
- Planned Pilots with ELTA Systems, Centre of Integrated Geomorphology for the Mediterranean Area, La'Quila, Basilicata regions in Italy, and with GSI.
- Interest from the U.S. DoD
- By 2030: TAM: \$170B, SAM: \$34B, SOM: \$4B
- Strong, experienced team
- Working with UNIBA Partners, Lloyd's Labs and InsurTech Israel to create the product they need.

### **FUTURE DIRECTIONS**

Astroteq.ai is expanding beyond seismic alerts to include satellite imaging and space-based data. We're in the process of procuring and launching our own Thermal and SAR satellites. Our roadmap includes offering real-time data access through a planned API and introducing revenue-sharing models for startups in the field.

**Astroteq.ai is more than a product;** it's a groundbreaking approach to natural disaster preparedness and mitigation, ripe for investment. Join us in shaping a safer, smarter world.

### **CUR JCURNEY**

#### • 2020-2022

Validated the research 250k USD in Grant

2023

Developed proprietary cosmic ray detector TRL 6 AI System €21K in grants ASTRA & ESA BIC Programs Produced 7 cosmic-ray detectors Further development of the AI \$200k investment €52k in grants

2024 H1 - €180K grants IAI Accelerator Cohort 13 ELTA PoC & Seller MoU UN Focus Group for Al Natural Disaster forecasting

#### Collaboration with Nepal via USAID Partnership with Tokyo Marine MoU with PAID Romania Lloyds InsurTech Accelerator Nepal Investment Conference

- 2024 H2 ER \$280,200
   Deployment of the detectors in Israel and Italy.
   Satellite imaging integration
   Deploying 20 more detectors
   Real-time data-based AI training
   80K USD for PoC with ELTA Systems
   Fundraising Pre-Seed
- Targeting €6M in grants 2025 - ER - \$1,216,000

Pilots with Basilicata, Laquila, Israel, and CGIAM. Dissemination of CR detectors Commercialization

2026 - ER - \$11,869,111 Planned expension to California and Japan

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### TARGET MARKET AND SCOPE

#### **Addressable Market**

- Insurance & Reinsurance Companies
- Governments and NGOs
- Emergency Disaster Management Agencies
- Global manufacturers (automotive, chips, consumer electronics) with large supply/logistics chains.
- Focal regions include seismic hotspots globally.

#### Go-to-Market Strategy

Targeting key markets in Israel, Italy, Turkey, Japan, and California. Active deployments in Italy's Basilicata and L'Aquila regions, and Israel. Expansion to Japan, Turkey and California is in progress. MoUs secured with the Geological Survey of Israel, ELTA Systems and the Israeli Aerospace Industries, as well as the Italian regions. Lol from leading Lloyd's Syndicate Beazley. More partnerships are being finalized.

#### **Business Model**

#### Short Term - Cosmic Ray Focused:

- Basic CR Detectors: \$1400 + \$120 Monthly Subscription.
- Pro CR Detectors: \$8100 + \$200 Monthly subscription.
- Cosmic Ray Data: \$250 per 10days of data per station. Mid Term - Earthquakes Forecasting System:

### Big Insurance Companies: \$250K Yearly fee + 5%-12%

- Big insurance Companies: \$250K Yearly ree + 5%-12% shared profit from the third year per Insurance Company.
- S/M Insurance Companies: 5-12% of their PWC.
- Government: Annual fee based on the size of the area covered and number of people served.

### COMPETITIVE LANDSCAPE

**ShakeAlert in California** \$35M installation cost, 12 seconds of notice. AETA from China

72% accuracy, weekly alerts, exorbitant costs for limited area.

### ΤΗΕ ΤΕΛΜ

#### Dr. Noemi Zabari - Co-Founder and CEO

Dr. Noemi Zabari is a dedicated researcher and entrepreneur with a cross-industry mindset in theoretical physics, dense matter, and astrophysics

#### Itamar Zabari – Co-Founder and CCO/CTO

An executive leader with over 12 years of experience in operations management, R&D, and business development.

### Dr. Kevin Cheminant – Co-Founder and CSO

Dr. Kevin Cheminant is an accomplished astrophysicist specializing in cosmic and gamma radiation research.

#### Current Status

- Founded in 2022
- 3 Patents in progress
- Al developed, Cosmic Ray detectors built, and being installed in various locations worldwide.
- Proven technology with historical data
- Two integrated channels SAR(ground displacement) and Cosmic Radiation

### Seeking \$2.5M to be used for

63% R & D
28% Market Deployment
9% G&A and Legal

Secure 2-3 working pilot customers Initiate global marketing activities Establish initial revenue streams

