Investor Presentation Slide Outline for OdAR System

Slide 1: Title Slide

- **Title:** OdAR (Olfactory Detection and Ranging) System
- **Subtitle:** Revolutionizing Environmental Sensing
- **Logo, Presenter Name, Date, Contact Information**

Slide 2: Vision & Mission

- **Vision:** OdAR pioneers a future where invisible environmental threats become instantly visible.
- **Mission:** Deliver advanced olfactory detection and spatial ranging solutions with >90% accuracy and <1s response.

Slide 3: Problem Statement

- Current sensing methods lack sensitivity, spatial precision, real-time data.
- High operational costs and maintenance requirements.
- Limited real-time decision-making capability.

Slide 4: Product Overview

- Advanced olfactory sensor array (MOS & Conductive Polymers).
- 360° ultrasonic ranging system (±2 cm accuracy).
- Adaptive PID temperature control (10°C–40°C).
- Integrated airflow regulation via micro-pump for enhanced detection.

Slide 4: Unique Selling Proposition (USP)

- Ultrasonic ranging for comprehensive spatial awareness.
- Highly sensitive chemical detection (ppb range).
- Adaptive intelligence maintaining accuracy under environmental fluctuations.
- Patent-pending integrated system providing competitive market defensibility.

Slide 5: Market Opportunity

- Olfactory tech market growth from USD 1.2B (2023) to USD 5.75B by 2032.
- Growth drivers: Environmental compliance, safety, IoT, healthcare.

- OdAR addresses multiple industry applications directly.

Slide 5: Competitive Advantage & IP

- Patent-pending technology ensuring competitive advantage.
- Superior performance (50% faster, up to 30% cost savings).
- Comprehensive detection and spatial capability unique in market.

Slide 6: Technical Overview

- Detailed sensor specs (MOS, CP).
- ESP32-WROOM-32E Microcontroller with Wi-Fi/Bluetooth.
- Robust IP65-rated design with 8-hour battery life.
- Modular design for scalability and ease of maintenance.

Slide 6: Validation & Performance Metrics

- Accuracy: >90%, Response time: <1 second.
- Robustness: Stable across temperature (10–40°C) and humidity (20–80%).
- Ranging precision: ±2 cm (static), ±20 cm (dynamic).

Slide 7: Market Entry & Revenue Model

- Primary industries: Agriculture, industrial safety, healthcare.
- Revenue streams: Direct sales, subscriptions, licensing.
- Projected ROI: Up to 150% within 24 months.

Slide 7: Team

- Dr. Anya Sharma: Olfactory Detection.
- Dr. Ben Carter: AI/Algorithm Development.
- Dr. Chloe Davis: Material Science.
- Mr. David Evans: Hardware Design.

Slide 8: Roadmap & Funding Needs

- Timeline: 6 months to full prototype and validation.
- Funding requirement: $275,000 detailed by category (hardware, software, consulting, IP).
- Clear milestone-based objectives.

Slide 9: Call to Action

- Invitation for investment partnership.
- Restate vision succinctly.
- Clear contact information for further engagement.