



Komodo Fire Systems, Inc.

Next Level Fire Prevention

April 2025

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KOMODO's unrelenting commitment to environmental preservation, is well poised to revolutionize fire suppression and prevention in multiple large segments



Global Fire Demand

Significant Damages

Fires in 2020 caused \$20 billion+ in damages in the US alone¹

2023 Hawaii wildfire caused \$5.5 billion damage, with \$6 billion+ est. rebuild cost²

January 2025: Largest Financial Loss in CA history within first week of new year Palisades

Environmental Concerns

Use of firefighting chemicals (FFC), such as water enhancers, retardants, and foams, are harming wildlife, polluting soils and underground water, and jeopardizing human health³

Threat of “New” Types of Fire

Increasing usage of li-ion batteries, including EVs, poses a greater threat of hi-temperature fires

New infrastructures, such as solar panels and charging stations, are exposed to the dangers of fire

Lack of Preventive Measures

Komodo offers industry first “prevention technology” to mitigate against high risk & mission critical infrastructure

Source: 1. National Interagency Fire Center (Gov.) 2023 Data. 2. Preliminary US Fire Administration, “After-Action Report: 2023 Maui Wildfire”, 2024. 3. EHN.ORG, “We’re dumping loads of retardant chemicals to fight wildfires. What does it mean for wildlife?”, 2021

What is Komodo

- **KOMODO** is a unique proprietary fire protectant, retardant, and suppressant formula in one.
- **KOMODO** is a water-soluble, **eco-friendly solution** that both prevents fires from starting and stops fire quickly in its tracks.
- **KOMODO** is easy to use, federally approved and certified and provides universal full season fire protection.



Competitive Advantage



USDA & Forest Service certificates for **non-toxic, non-corrosive, and one of only two companies with QPL certification**



Preventing re-ignition and high-temp fire effective-best in class performance



Modulated products controllable R&D cost higher margin and ROI



Multiple **patents and pending patents** secure IP position to keep ahead ompetitive advantages

300X

more effective than water alone ^{1,2}

90%

more effective fire reduction index ²

10-50X

Corrosion improvement ²

10-140X

Toxicity improvement ²

1. Calculated based on NFPA standard formula

2. Supporting data from third party testing available upon request

Komodo Complete Performance Comparison

*Komodo is plant-based, aqueous, and earth sustainable formulation superior on marketplace.

Metrics	KOMODO	Current Standard	Comparison
Fire Reduction Index	73%	38%	>90% Improvement
Abrasion Index	0.0002	0.01	> 50 X Improvement
Corrosion 90-Day			
Aluminum 2024-T3	0.2	2.0	10 X Improvement
Brass	0.1	5.0	50 X Improvement
Steel 4130	0.1	5.0	50 X Improvement
Magnesium AZ31B	0.2	4.0	20 X Improvement
Toxicity			
Fish LC 50 Rainbow Trout	956 mg/L	200 mg/L	5 X Improvement
Acute Oral Toxicity LD 50	>5000 mg/Kg	500 mg/Kg	> 10 X Improvement
Primary Dermal Irritation	0.0	5	> 5 X Improvement
Eye Irritation	0.7	5	> 7 X Improvement

American Chemical Society - USC Paper Nov. 2024

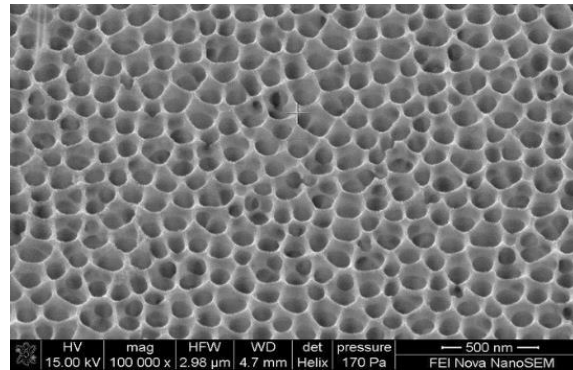
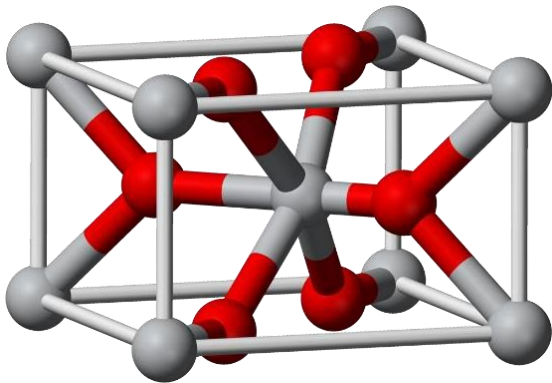
Link: [Metals in Wildfire Suppressants - ACS Paper Nov. 2024](#)

Heavy Metal:

Element	Phos Chek (ppb)	Komodo (ppb)	Percentage Difference	Multiple (X)
Chromium (Cr)	72,700	600	12,117%	121
Arsenic (As)	962	286	336%	3
Cadmium (Cd)	14,400	96	15,000%	150
Lead (Pb)	63	31	203%	2
Copper (Cu)	2,660	300	887%	9
Manganese (Mn)	16,100	630	2,556%	26
Antimony (Sb)	767	12	6,392%	64
Vanadium (V)	119,000	870	13,678%	137
Titanium (Ti)	412	3.6	11,444%	114
Total	227,064	2,829	8,027%	> 80 times less toxic

Mechanism: Physical, Mechanical, and Chemical

Physical and Mechanical Characters



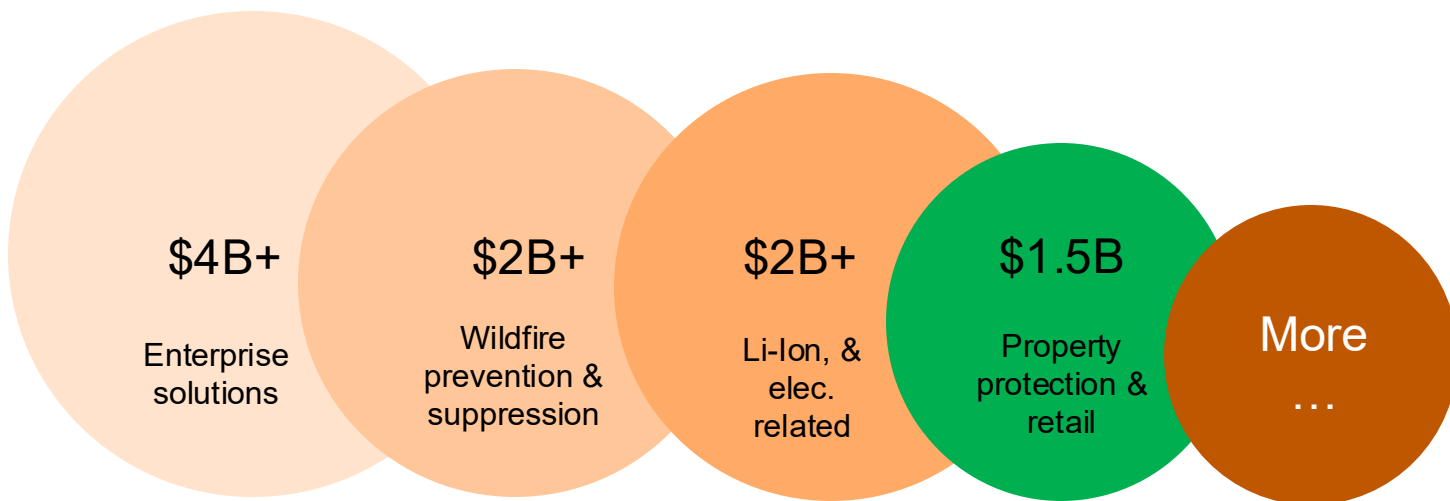
- Inert volcanic earth provides uniform conformal coating to create a crust or shell acting as a physical barrier to vegetation, preventing combustible cellulosic material from burning
- Amorphous Aluminum Silicate
- Al_2O_3 / MgO / SiO_2

Chemical Characters

Ultra High Nitrogen Rich, pH Neutral, Phosphate chemistry is polymerized in functional siloxane matrix and combined with proprietary specialty additives







Embedded in the microporous matrix, when exposed to heat a combination of aggressive chemical fire suppressants are released

Large Recurring Addressable Markets

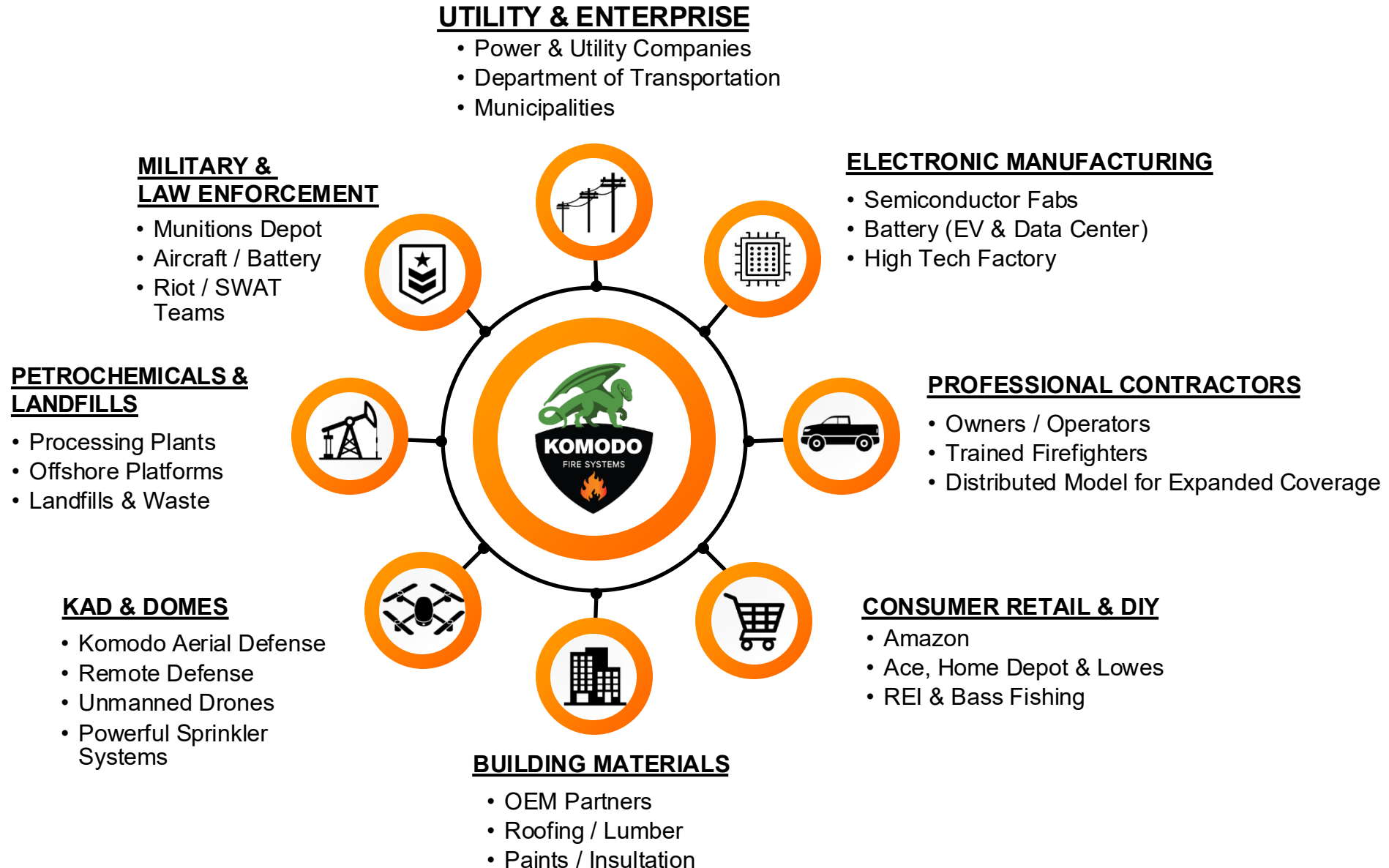


\$3 Billion+
As Komodo's serviceable/obtainable market, on recurring basis

Source: Roland Berger Market Report and Komodo calculation

Target Sectors		
Stage I		Wildfire suppression
		Enterprise protection solutions & energy infrastructures
Stage II		Li-Ion Battery related, EV, and data center
		Construction, property protection and insurance
Stage III		Specialty Segment
		

KOMODO Fire Prevention Ecosystem



Market Competitive Analysis

Fire Retardant & Air Drop Market

1. Competitor: Perimeter Solution – Phos Chek
2. Market Size: Total \$400-500M USD Annually
3. KOMODO Advantage:
 - Superior Performance – Switched Customers & User Feedback
 - Lower Toxicity – 3rd Party University paper (USC Nov. '24)
 - Plant-Based and Sustainable Formulation



Advanced Semi-Conductor & Battery Fire Market

1. No other fire chemical competitors are in this arena yet.
2. Market Size: \$300M USD Annually growing to >>\$Billion
3. Advantage of KOMODO:
 - First mover already working with industry leaders
 - NASA & ASTM Drone Partnerships
 - Patents & IP on packaging and delivery
 - Robotic integration for automated response and unmanned fire



TSMC Semiconductor Forecast

Komodo working with TSMC Taiwan and U.S.A. on 15 unique opportunities for protecting:

1. Roof top mechanical equipment such as HVAC, Scrubbers, Pumps & Motors, Cooling Towers, etc.
2. Chemical rooms high hazard flammable systems and storage.
3. Gas cabinet and flammable high hazard rooms.
4. UPS, Battery Storage and MCC – Advanced LiON cell and module protection.
5. 26 fabs on all continents including Taiwan, USA, Germany, USA, China, Japan, etc.
6. Table below is a summary of activities per site.
7. Total TSMC potential for Komodo **\$100M-\$250M** over next 3-5 years.

Advanced Battery Fire Protection	Sales	Equipment	Sales
Experiment with TSMC & National University	\$150-200K	Interior LiON Battery	\$1-3M
K313 FireBlock Coating	\$800K	Interior Dome	\$2M
K911 Cans	\$200K	Exterior Dome	\$3M
K911 CR	\$1M		
Total	\$6.2M-\$10.2M		



2025 Annual Wildfire Sales Forecast

Market Segment	Validation Clients	Products	2025 Forecast
Power & Utility Companies	PG&E, SDG&E	K500C	\$1-2M
Firefighting Service	WDS, Patriot Group	K500C	\$1-2M
Property Protection	Vineyard, Ranch, WUI homes	K500C	\$300-500K
Service Contractors	-	FireReady 911 & K500	\$500K-1.5M
LA Fire Rebuild	Cal Coast	FireReady 911 & K500	\$1M
Hawaii HOA Community		FireReady 911 & K500	\$500K-1.5M
US Forest Service	US Forest Service	Komodo Air Drop	\$1.5-3.0M
Emergency Response	US Secret Service, Police, Hospitals, Military	K911	\$250K-500K
Total			\$6-12M

U.S. Forest Service Aerial Tanker Bases

K-500C – Air Drop

Current Status

- 77 Bases in U.S.
- Each base represents between \$2 - 24M K-500C opportunity annually
- Komodo striving for 3-5 bases contract beginning '25/'26 fire season
- Total projected market share by **year 5**, approximately **\$280M** in annual contracts

Issues

- Waiting for USDA Forest Service certification for air drop application
- Require funds to install equipment in bases use K-500C



FireReady911 Forecast

FireReady911 - The **First** of its kind, **Distributed** firefighting and fire prevention, **Just-in-time** solution for home and property owners facing wildfires like Los Angeles in January 2025

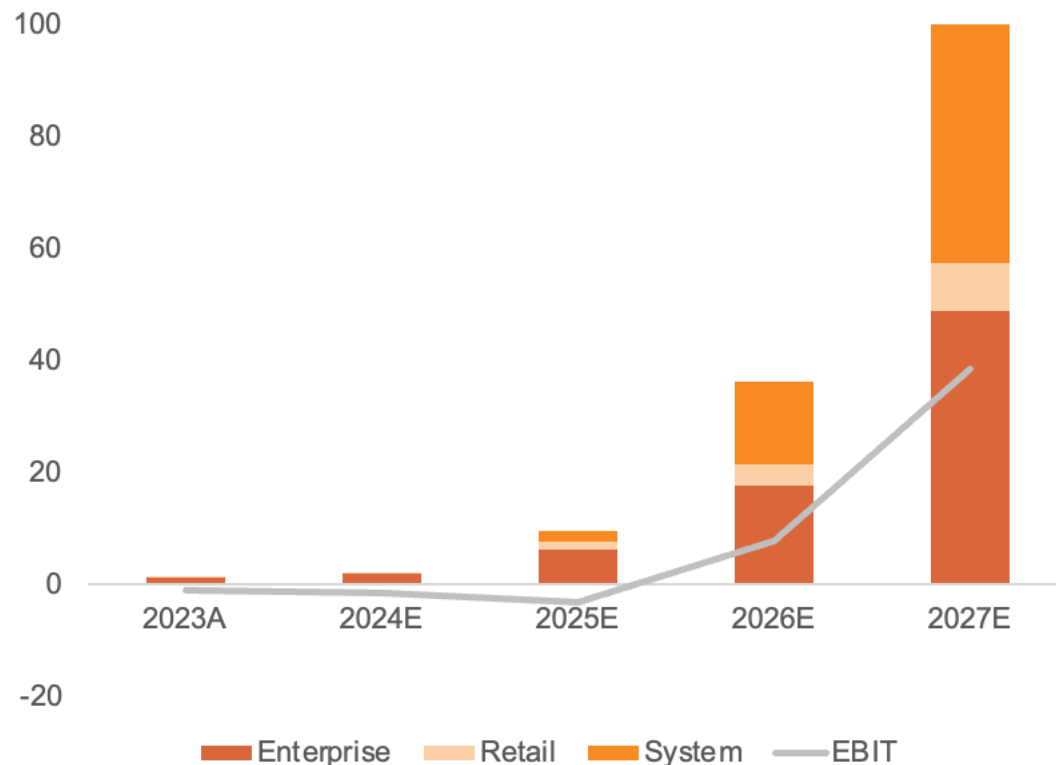
Komodo **FireReady911** is an appliance-like equipment that is **Off-Grid** (no water & no power required) that is always on stand-by ready to deploy in case of fire evacuation

- In Feb of 2025 Komodo has already received **Pre-orders** for FireReady911 valued at over **\$50,000.00**
- **Data Acquisition** capability for insurance validation & for **Komodo 2.0** information technology database foundation
- Each unit is approximately \$25,000.00, and our goal is to have a waiting list of over 1000 out of the LA fire areas (**\$25M**)
- Hawaii, and California Fire Safe Council has expressed interest in multiple units



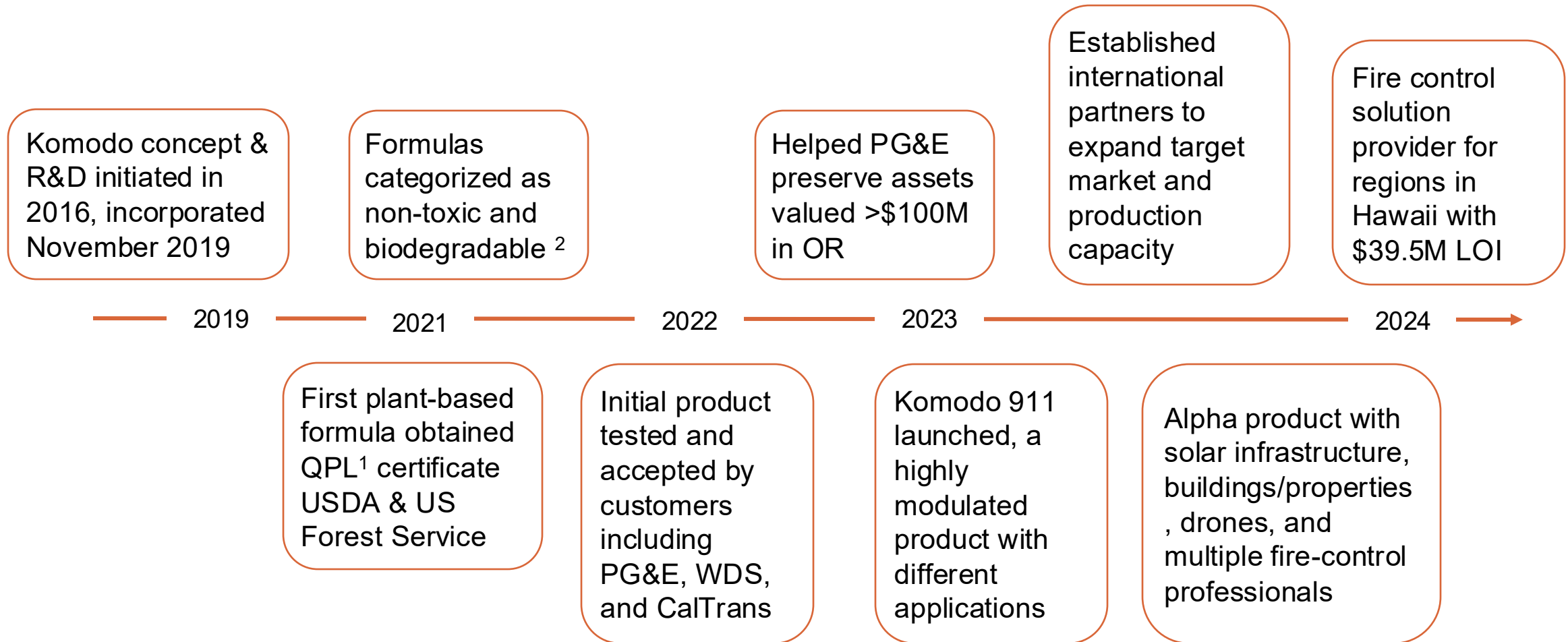
Financial Position and Projection

Financial Actuals and Projections (\$M)



- ~70% profit margin
- Trailing twelve-month sales surpass > \$1,000,000 USD
- **Profitability** projected by 2026
- ~\$70M of orders in pipeline with LOIs and other commitments from enterprises as well as Federal and State Firefighting Organizations

Milestones



1) QPL: Qualified Product List

2) Non-Toxic & Biodegradable certified by USDA

Mission

Komodo will revolutionize the fire prevention & suppression response market while enhancing overall safety and efficiency with environmentally safe solutions and automated systems. Komodo will leverage unique specialty position for data analytics, advanced AI to provide effective fire prevention solutions to clients worldwide.

Vision

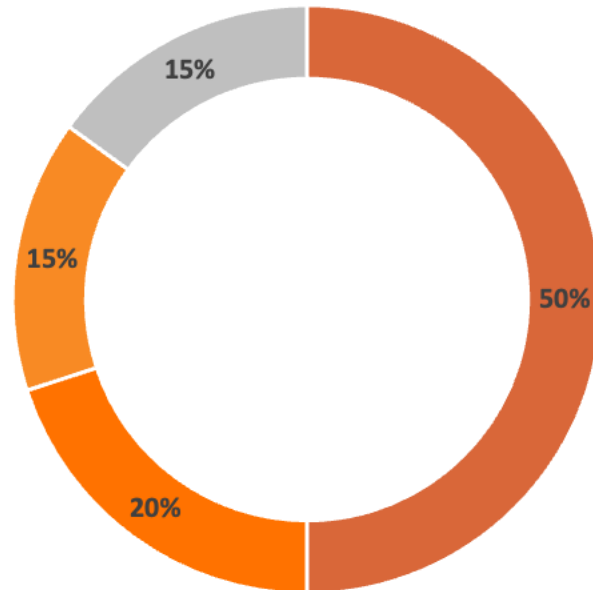
Become the industry leader in data-driven fire protection & suppression solutions, providing innovative tools and services that protect human lives, personal property, critical infrastructure, and the environment.

Technology Roadmap

- Harnessing Data by Non-tech Industries
- Phase 1 – Foundation Building & Data Infrastructure
- Phase 2 – Scaling Data Science & Analytics Capabilities
- Phase 3 – AI-driven Optimization & Market Differentiation

Current Fund-Raising Round

Series A : \$15-20M



■ Certificates, testing, sales ■ Operation Expansion
■ Equipment & Facilities ■ R&D

- ~\$5-7M soft commitment
- ~50% of funding will be used for sales and pilot projects (\$5.0-\$7.5M)
- R&D and horizontal expansion (\$2.0 - \$5.0M)
- Capex for capacity ramp-up (\$3.0 – 5.0M)

KOMODO SPAC or IPO

SPAC (Special Purpose Acquisitions Company) or **IPO** (Initial Public Offering) depending on the capital market needs whereas we are positioned to be SPAC at end of 2025, early 2026 provided company valuation suffices. However, If company revenue forecast realized and surpassed expectation, then IPO will be an ideal option.



International Headquarters

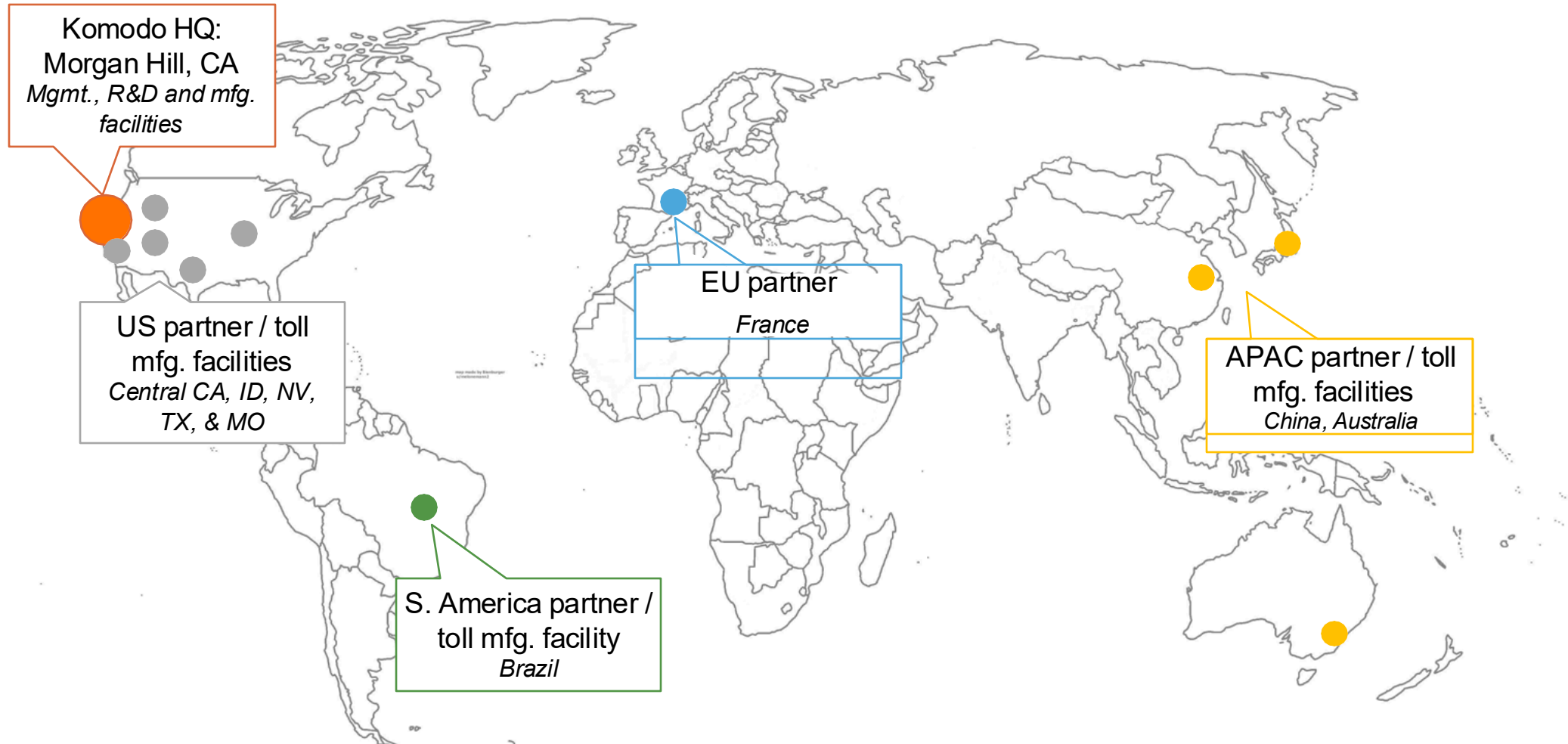
Corporate Headquarters with expanding Research & Development Labs and warehouse facilities in Morgan Hill, CA

- International Headquarters strategically located just minutes from the heart of **Silicon Valley**
- 75,000 ft² Expansive material handling, shipping, manufacturing and distribution capabilities



**700 Jarvis Drive
Morgan Hill, CA 95037 • USA**

Mfg. Capabilities and Global Footprints



Expert Validation: Certificates and Testimonies

KOMODO Products Have Been Awarded by:

- Cal Fire awarded QAI to Komodo
- USDA & Forest Service certificates for non-toxicity, non-corrosion, and non-metallic
- US Forestry & Fire Agencies UAV project
- USDA approved qualified product list (QPL)
- NASA special UAV project
- ASTM meeting uses Komodo as UAV fire control solution industry standard (the F38 Standard)

Expert Testimonies

“A product like this can allow areas of incorporation to protect themselves and prepare for oncoming fires.”

Josh Freeman, Battalion Chief – Cosumnes Fire Department

“Komodo would be absolutely beneficial for firefighters in pretreating high hazard areas days in advance.”

Ross J. Walker, Fire Chief - Osage Nation Wildland Fire Management

Advisory Board – Industry Leaders and Experts



**HAROLD
SCHAPELHOUMAN**



JOHN HOFFMAN



DAVID HAUBERT



MARIO ROSATI



RAGHU REDDY

- **CHIEF HAROLD SCHAPELHOUMAN** — Fire Chief (retired); 40 years of emergency response at local, state, federal and international levels including 9/11 WTC; Hurricane Katrina; Columbia Shuttle Recovery; Oklahoma City Bombing; etc.
- **JOHN HOFFMAN** — President, CEO & Chairman Pivotal Systems; President Etch BG, Applied Materials; CEO Raging Wire Enterprise Solutions; West Point Military academy; Stanford MBA
- **DAVID HAUBERT** — Alameda County Supervisor of District 1 (includes the cities of Dublin, Livermore, and portions of Pleasanton, Fremont, and Sunol); Former Mayor of Dublin, California
- **MARIO ROSATI** — Wilson, Sonsini, Goodrich, and Rosati, Senior Partner; Adjunct Professor at UC Berkeley Haas School of Business and School of Law
- **RAGHU REDDY** — CEO, Kalven Financial Group; VP, JP Morgan Chase; Serial Entrepreneur & Angel Investor, Venture Capital Investor, Business Leadership Coach

Advisory Board – Military Leaders & Government **KOMODO**



LTG (Ret) Edward Cardon



LTG (Ret) Ken Tovo



Gen (Ret) Mike Eastman



Owen West



Dempsey Solomon

- **LTG (Ret) Edward Cardon** — Lieutenant General Cardon served as the Director of the US Army Office of Business Transformation. In this role, he helped to establish the Army Futures Command, which was the most significant Army command restructuring in more than 45 years. Prior to that, as the head of the Army Cyber Command from 2013 to 2016, Lieutenant General Cardon transformed the command into a world-class cyber force.
- **LTG (Ret) Ken Tovo** — Lieutenant General Tovo served as the commander of the US Army Special Operations Command (USASOC). He was responsible for manning, training, equipping, and providing strategic direction to all the Army's Special Operations forces (Green Berets, Rangers, Special Ops Aviation, Civil Affairs, and Psychological Operations), a combined organization of over 34,000 people.
- **Gen (Ret) Mike Eastman** — General Eastman served as the Special Assistant to the Director of the Army Staff. Previously, he was the Deputy Commanding General of the 10th Mountain Division and the last US General to command Train, Advise, Assist Command - South and Kandahar Airfield, Afghanistan.
- **Owen West** — The Honorable Owen West is a past United States Marine, banker, and author who served as Assistant Secretary of Defense for Special Operations and Low-Intensity Conflict
- **Dempsey Solomon** — Vice President, Sierra Nevada Corporation, Program Director L3 Harris / Test Pilot 160th Special Operations Squadron US Army

Team: Multi-disciplinary and Serial Entrepreneurs **KOMODO**[®]



SHAWN SAHBARI, Founder, Chairman & CEO

Rohm & Haas; Dow Chemical; Kanto Chemical;
Silicon Valley Chemicals; Envirodigim;
Green Polymer Systems



SHAO-LI CHU, Senior VP, Advanced Technology Development

Pivotal Systems; Veeco Instruments; Solid State Equipment; BOC Edwards; Systems Chemistry; Silicon Valley Group



PENNY REID, Executive VP, Business Development

Komodo and Komodo Asia



JEFF HOPKINS, Chief Financial Officer

Halo Finance; Daroth Capital Advisors;
Deloitte Consulting



ED BLESS, Director KAD & KOMODO Avionics

H2 Solutions; BlueLine Power; Xerox;
Apple Computer

Appendix

Videos:

- **KOMODO** Capabilities Video: [Komodo Capabilities Video](#)
- **KOMODO** - PG&E 100% Asset Protection: [Komodo + PGE Phantom Blue with Christie with CC](#)
- **KOMODO FireReady 911**: [FireReady911 landing page video.mp4](#)
- **KOMODO** in the News: [KCRA3 Wildfire Ready video.mp4](#)
- **KOMODO** Professionals testimonials: [Professional Testimonials](#)
- **KOMODO** Founder's window: [Founder's Window.mp4](#)

Letter Of Intent:

- **Black Sand Beach LLC: \$39.5M** Letter of Intent - [20240429 Komodo LOI.pdf](#)
- **Construx (buildconstrux.com): Est. \$5.5M** Business Opportunity - [Construx 2024-0911.pdf](#)
- **USFS Aerial Tanker Bases: > ~ \$100M** Letter of Understanding - [LoU 11 Sep 2024 signed.pdf](#)
- **Walmart, Sam's Club: \$10M** Product Opportunity - [JRS Global LOI.pdf](#)
- **Noble: \$600K** Product Opportunity - [Noble 2024-0909.pdf](#)
- **Patriot Group: Sales Opportunities** - [Patriot Group 2024-0910.pdf](#)
- **Chopper: Sales Opportunities** - [Chopper's letter 2024-0910.docx](#)



Thank you

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