# CONFIDENTIAL Presentation for Interested Funding and Strategic Partners

A Return-on-Investment Approach to Affect Pre-Disaster Related Risk Mitigation for Private, Philanthropic, and Public Sector Impact



# Resilience Challenges:

"Risk Mitigation"
As Common
National Theme

- Drought
- Storm and Flood
- Fire
- Spills and Leaks
- Earthquake
- Cyber/Operation-Internet of Things
- Continuity of Critical Infrastructure
- Demands for Uninterruptible Supplies Across Communities, Industries

# Executive Summary

\$3.5 trillion in losses from various disasters – weather-, natural-, and man-made – since the 1980s - with 50% of that total since 2016

A permanent challenge for economic growth, industry competitiveness, emerging national security risk

"Future Proofing America" – our thesis for proactive, pre-disaster risk mitigated investment across technology, equipment, data science, and alternative resource allocation Identified 800+ Resilience Zone
locations to deliver "Shovel
Worthy" strategic inventories of
new innovations and project-scale
integrated infrastructure solutions
for measurable impact

Using a 1:6+ Return on Investment Performance Metric, the ROAR Partnership intends to launch or syndicate a <u>Resilience Investment</u> <u>Fund I</u> (\$15-30 million) through Private-Philanthropic-Public Partnerships ("P4s").

A pipeline of \$50 million in technology inventories and projects on which to jump-start the Fund's use and near-term impact

### Our Goal: Changing the Delta in Risk Mitigation

FROM THE ALIGNMENT OF TECHNICAL, ENGINEERED, SCIENTIFIC, AND FINANCIAL CAPABILITIES



2

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### PREVIOUS LOSSES

With nearly \$4 trillion in losses since the 1980s, coupled with an abundance of new data, modeling, and afteraction reports, the cost of doing the minimum or traditional response and rebuild is no longer sustainable economically, financially, politically.

### MITIGATION AND INTERVENTION

Through our approach to innovative resilience by identifying, vetting, investing, and deploying integrated solutions of technology, equipment, and data tools, we can measurably transform the current risk transfer to risk shared impacts for insurance, reinsurance, public sector and of course citizens, communities, companies

### **MEASURABLE REDUCTIONS**

Based on emerging best practices and newly formed partnerships, we seek to demonstrably launch and sustain projects where a minimum of 1:6 costbenefit will reduce future loss claims and enhance continuity of operations, community safety. ....Resulting in our establishing a new national designation for communities, industries, facilities and operations to transform risk and impact



Facts and
Data That
Drove Our
Initial Work



69%
of Texans lost
power during
Storm Uri
(University of

Houston Hobby

School)

Trillion
in losses since
1982; 50% or
\$1.35 trillion
in just the past
5-7 years!
(Reinsurance
Association of
America)

\$3.8

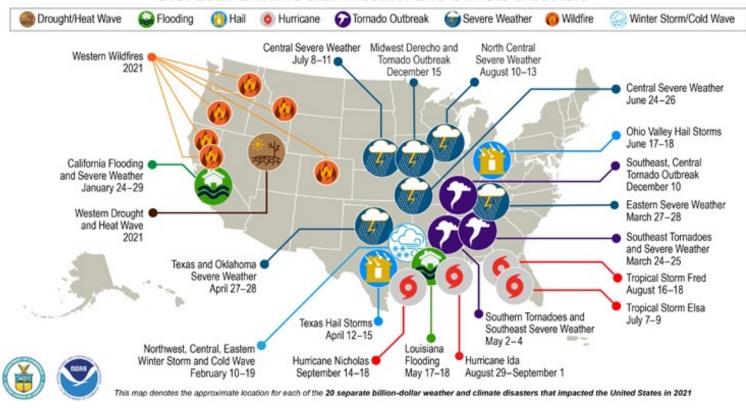
### 1:6 Cost Benefit Return

on investment from pre-disaster risk mitigation (University of Pennsylvania Wharton School)

### The Financial and Business Case:

Trillions in Repetitive Loss

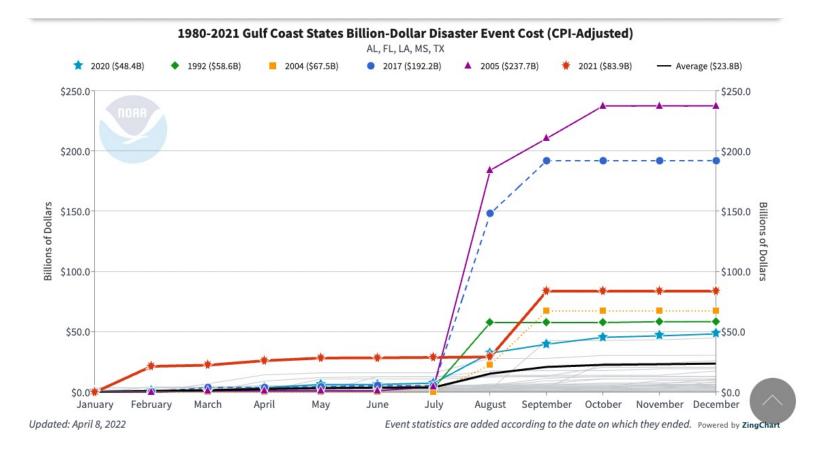
#### U.S. 2021 Billion-Dollar Weather and Climate Disasters



The U.S. Department of Commerce National Oceanic and Atmospheric Administration reported that, "The U.S. has sustained 298 weather and climate disasters since 1980 where overall damages/costs reached or exceeded \$1 billion (including CPI adjustment to 2021). The total cost to the Federal Government of these 298 events exceeds \$1.975 trillion." According to NOAA, "Each state has been affected by at least \$1 billion-dollar disaster since 1980."

### The Financial and Business Case:

## Trillions in Repetitive Loss



In just the past 5-7 years, Gulf States have experienced some of the largest losses due to multi billion-dollar weather- and water-related disaster events.

### ...Therefore, Problems We Are Solving

### **Fragmented Resources:**

increasingly the negative economics from losses caused by various disasters, weather incidents has insurance and financial institutions, Fortune 500 companies, and federal-state governments focused on enhanced preparedness – fortifying infrastructure, mitigating operational risks, protecting citizens and communities from repeated threat. [Reference: Zurich International, FEMA post Harvey-Irma After Action Reports]

#### Limited to What Current 'Actors' Are Comfortable With:

traditional response – from Zero Hour to the initial two weeks – and then to "recovery' over the initial 90 days – often falls upon known 'incumbent' products and solutions rather than optimal and innovation alternatives that have not been previously vetted by agencies and program managers comfortable with what they know; new technologies, services, and integrated solutions can support the 'first-responder' as well as business, corporate, and community through advanced offerings that are pre-staged, pre-procured – included in new insurance products and our co-investment.

#### **Not Future Proofed:**

long-term mitigation requires strategic "redesign" of new and retrofitted infrastructure, facilities, operations, as well as purposefully resilient built-environments. We intended - through a collaboration among architecture, engineering, urban planning, logistics, facilities management, and several other inputs — to seek more efficient and cost-effective technical solutions, project development that are "shovel worthy".

The following information does not constitute an offering to sale securities, investment products, nor conduct a formal solicitation, and serves only to inform the reader of an emerging opportunity for future consideration.



### INNOVATION FUND

### \$30 MILLION SEED ROUND

for disaster-driven risk mitigation across residential, commercial, industrial, and public sector facilities, infrastructure and operations supported by prop-, insur-, green-, and smart technologies, equipment, data science. Delivery of 1:6 or better costbenefit projects through private-philanthropic-public partnerships in Community Disaster Resilience Zones.

### The ROAR Partnership Structure for Investment Allocation



### Key Elements of Our Technology Strategy:

Pre-Vetted, Pre-Negotiated, Pre-Deployed Strategic Inventories and Integrated Platforms Embedded into Project Development

### What We Are:

Integrated Platforms of Technology, Equipment, and Data Science Applied to Pre-Disaster Risk Mitigation

Optimizing insurance

resources, manpower,

revenues

brokerage, sales, claims, and

work-processes to maximize

customer satisfaction, and

Alternative fuel, energy, carbon

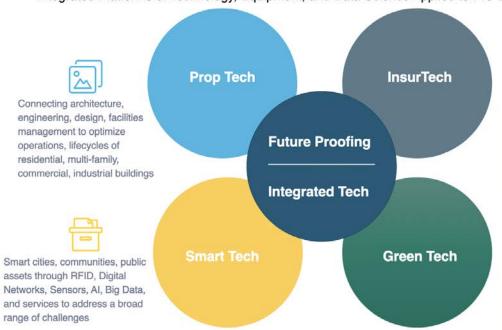
reduction, advanced materials

sustainability, ESG, other key

and similar innovations in

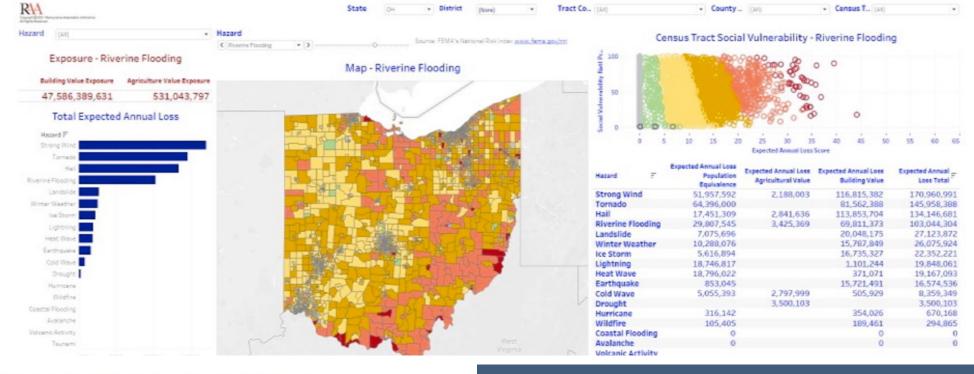
performance outcomes

other elements of internal





Note: Currently we have 40 unique solutions and integrated platforms ready for deployment



### **RESILIENCE ZONE PILOT PROGRAM**

#### **Inaugural Cadre of Zones**

Selection of 10-12 "Most At Risk, Most In Need" Jurisdictions Using A New Data-Driven Identification Process



and Certification Initiative with Regional Community Colleges,

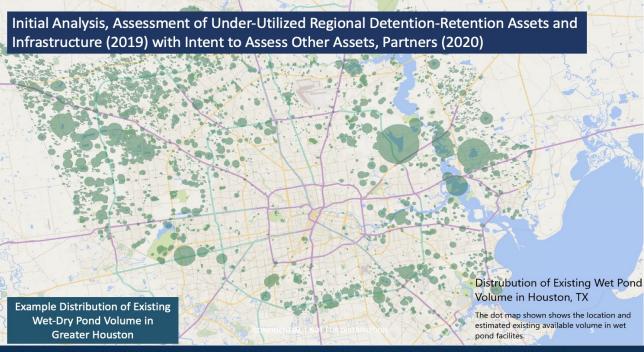
Trade and Technical Schools

Where We Target Our Investments
By Assessing Loss Causes and Impact Costs?

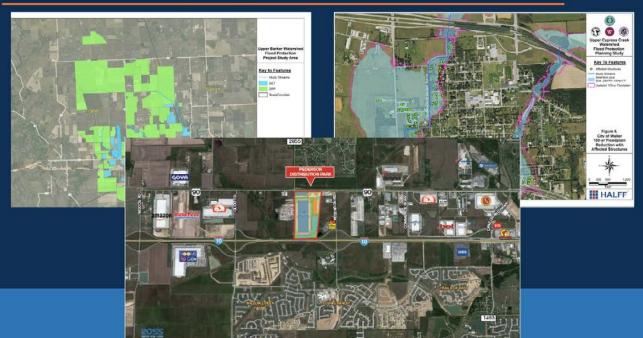
Community Disaster Resilience Zones:

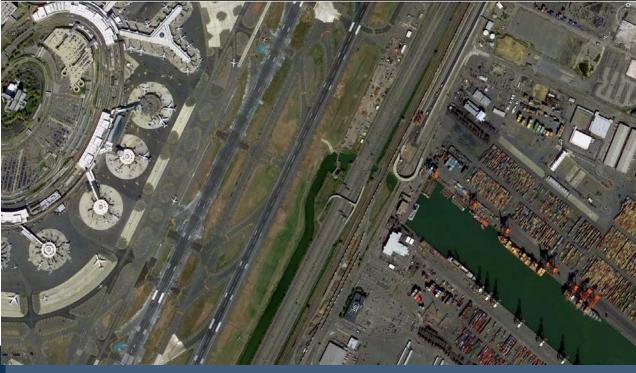
800+ Census Tracks Defined as "Most At Risk, Most In Need" From Persistent Disasters and Economic Disruption

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### IDENTIFYING LOCATIONS, ASSETS, AND IMPACTS FOR ADVANCED MITIGATION





Where We Target Our Investments
By Assessing Loss Causes and Impact Costs?

Smart Watershed Mitigation Initiatives for Managing Quantity, Quality, Conservation including Green Infrastructure and Carbon Capture Integrated Benefits

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### How We Target Our Investments?



Extensive Data Analysis, Modeling, and Consistent Curation of Research and Information on a Regional and Local Perspective vis-à-vis our Resilience Data Exchange Network of Academic, Non-Profit, Industry Partners

### Investment Objectives:

A Bridge for Private-Philanthropic— Public Partnered Projects ("P4s") Defined Mutual Cost-Benefits and Returns on Investment including Cost-Benefit, Return-on-Investment, Performance

#### **Private:**

Role and Opportunity
On or Adjacent to
Corporate Facilities,
Infrastructure,
Operations to Minimize
Loss of Continuity, Spark
Premium Incentives

#### **Philanthropic:**

Role and Opportunity for ESG/Societal Results (examples include Nature Conservancy, Foundations, Social Impact Funds)

#### **Public:**

Role and Opportunity in Strengthening Community Lifelines (Federal, State, County, City Grants, Resource Allocations) Investment Objectives:

Mission-Driven
Benefits

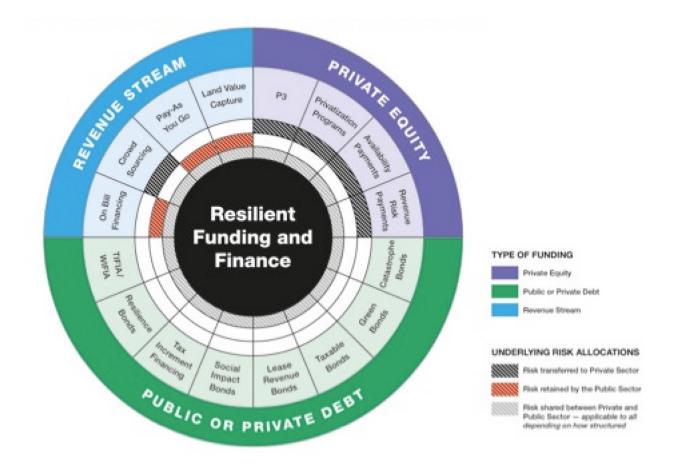
Primary Benefits for Returns on Investment Across Investment Interests

Second Benefits for Additional Opportunities in Mutual Resilience and Risk Reduction

Tertiary Benefits for Undiscovered Impacts including Health, Well-Being, Access to Food, Educational and Employment Opportunities

### A Pivot in Resilience Investing:

Integrating Trillions of Resources into New Solutions



The Resilience Innovation Fund I identifies, aligns, and integrates a unique capital stack across private, philanthropic, and public institutions, programs, and resource initiatives to accelerate mutual objectives, goals, impacts, and performance.

# Our Value Add for Portfolio Companies and Projects



**EXPERT NETWORKS** 



STRATEGIC PARTNERSHIPS



MARKET ACCESS



**EXIT RELATIONSHIPS** 

## Our Strategy for Sourcing Deal Flow

Resilience Innovation Hub Collaboratory Network

Insight from Insurance, Reinsurance, Financial, and Investment Leaders

Engagement with Federal, State, Local Senior Representatives

Ongoing Pre- and Post-Event Assessments with Industry, Corporate, Facility C-Suite



### Fund Management and Advisors:

Roles & Responsibilities (in development)

#### **Senior Advisors:**

- The Honorable Eleanor Kitzman, former State Insurance Commissioner for Texas and South Carolina
- The Honorable Carlos Castillo, former Associated Administrator for Disaster and Resilience Programs, Federal Emergency Management Administrator

Interim Managing Partner and Chief Development Officer:
Richard Seline

Federal Agencies and Defense-Military Sector Managing Director: former senior agency, program officer Strategic Project Development Managing Director: former engineering and infrastructure development senior executive

R3 Strategic Inventories
Managing Director: former
senior logistics executive
(military and corporate)

General Counsel:
Dan Matheson

### Our Resilience Model

A New Risk-Shared versus Risk-Transferred Strategy for Community and Corporate Mutual Interest

The Three Pillars for Addressing Current Challenges Among Insurance/Reinsurance, Industry-Corporate, Public-Sector Facilities, Infrastructure, Assets



A national non-profit eco-system of likeminded regional nodes in our Collaboratory Network focused on pre-disaster risk mitigation – including sustainability-green, smart city, and prop tech – aligned with insurance and alternative capital (www.resilienceinnovationhub.com)



A fast-paced program for advancing growth-stage technology, equipment, and data-science solutions from myriad incubators and accelerators' cohorts into market-ready investment (<a href="https://www.resilienceventurelab.com">www.resilienceventurelab.com</a>)



An innovation and investment advisory firm focused on growth-stage technology, equipment, data science platforms into large scale project delivery vis-à-vis Resilience Zones (www.roarpartnership.com)



Establishing a new standard for resilience

Designation as future proofed (branded) project worthy investments, developments, and operations for thriving, not just surviving

For more information: richard@roarpartnership.com (703) 608-3000

A Return-on-investment Approach To Affect Pre-Disaster related Risk Mitigation

For Private, Philanthropic, and Public Sector Impact

