

#### Advanced Aircraft Company

# Introduction

- Last 30 years War on Terror
- Focus was on the deserts of the Middle East and mountains of Afghanistan



### Next 30 years – Pivot to the Pacific

• Focus is now vast distance in-between islands, jungle / tropical setting



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### Problem: US DOD UAS not suitable for Pivot to the Pacific

Current UAS were designed for wide open desert missions and long-term base operations.









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# Opportunity: we are early in a 4x a century change in DOD strategy

- A new adversary means new tools are needed to fight a different way
- DOD is spending hundreds of billions of dollars to be able to fight this new fight
- The DOD has a deadline to be ready <u>2027</u>

Secretary of Defense Lloyd J. Austin III speaks with NATO Secretary General Jens Stoltenberg during a bilateral exchange at the Pentagon, Washington, D.C., Feb. 8, 2023. DOD photo by U.S. Air Force Tech. Sgt. Jack Sanders



## In Message to Force, Austin Touts 'Once-in-a-Generation' Investments

March 3, 2023 | By David Roza

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# Solution – a new tool is needed for the new fight

- ✓ Simple to set up
- ✓ Simple and fast to launch
- ✓ Simple to use
- ✓ Packs down to a small size

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- ✓ Flies for a long time
- ✓ Can carry a lot

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✓ Field maintainable

Customer picture taken during an ABL Agile Blizzard

# Product – Hybrid Advanced Multi-Rotor (HAMR)

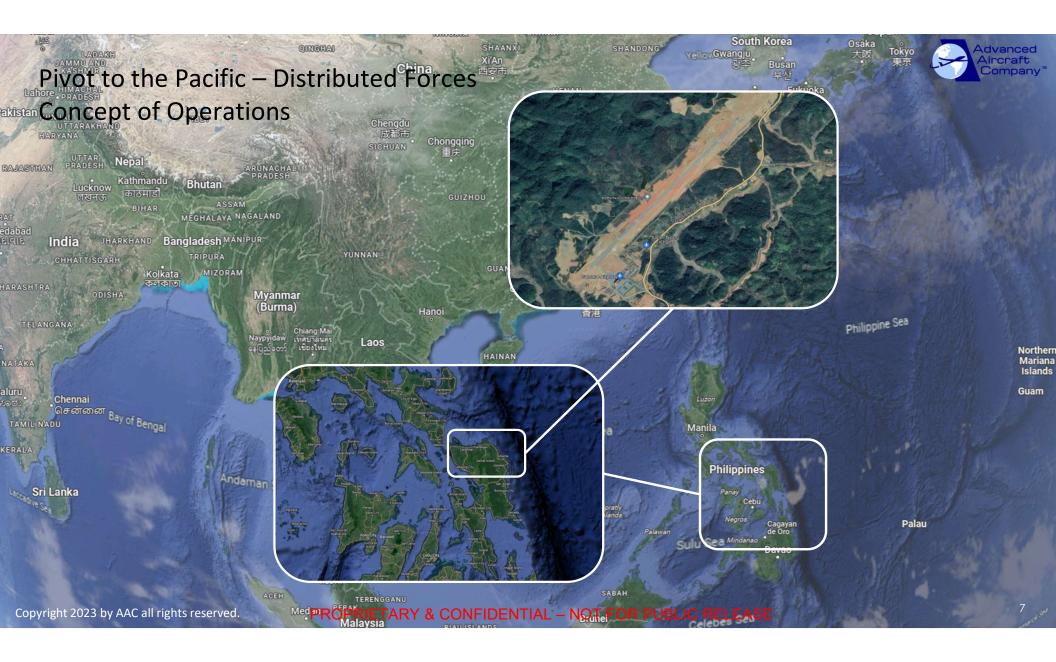




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6



# Agile Combat Employment/Resilient Basing











<u>Contingency Location Security</u>SUAS is the first thing unloaded from cargo plane

• Immediately set up eyes in the sky

https://www.dvidshub.net/image/7774225/afsoc-total-force-landed-mc-130j-mq-9-10s-mh-6s-wyoming-highways

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SUAS Competition Overview – HAMR												
	AAC HAMR	Aerovironment Puma	Lockheed Martin Stalker	Skyfront Perimeter 8								
VTOL	$\checkmark$		$\checkmark$	$\checkmark$								
Long Endurance/ Heavy Payload	$\checkmark$			$\checkmark$								
Aero Design* (efficiency, wind)	$\checkmark$	~	$\checkmark$									
Field Maintainable	$\checkmark$	$\checkmark$	$\checkmark$									
Incumbent for USAF Agile Combat Employment	$\checkmark$											

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### Executive Team / Advisors



Paul Allen CEO

**Growth Oriented Leader** 



#### Boeing/Insitu

- Former Boeing/Insitu Executive
- Sold over \$1.5 billion of UAVs worldwide to military and commercial customers
- DOD acquisition subject matter expert
- Vast rolodex with DOD and Defense Primes



Bill Fredericks Founder, CTO, Chairman

Aeronautical Engineer



#### **NASA Langley**

- Designer of the Greased Lightning tilt wing prototype
- Global Subject Matter Expert for tilt wing aircraft

**Advisors** 



Aaron Frank COO / CFO

#### Entrepreneur / Advisor

• CEO, CFO, COO, Advisor



Advanced

Aircraft Company

**GE Capital** 

• Director, Bal Sheet Mgt / Data Modeling

#### **New York University**

• Stern - MBA



- Former Uber Elevate, #10 employee
- Former NASA Langley
- Aerospace PhD Georgia Tech



#### Power 10

- USMC (ret.) Aviators
- USMC and US Navy strategy
- USMC and US Navy rolodex





### Traction – Air Force Funding HAMR Development





### Department of the Air Force (Agile Battle Lab)

Current (\$750K)



Just started (\$1.25M):

 AFWERX Direct to Phase II – mission computer, autopilot, GPS-denied navigation, SAASM GPS, LIDAR



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### Future:

- Phase III's Analysis of Alternatives for a Heavy Fuel Engine, AI on the edge – Q2 2024 - (~\$300-600k each)
- Program of Record



### Traction – AAC BD Process and outcomes

Our strategy: focused outreach - we meet potential customers in their office

Multiple visits to the Pentagon, Patuxent River, Quantico

### Demos to key stakeholders arranged by US Air Force

### US Air Force:

- Agile Battle Lab
- Air Combat Command (General Kelly)
- A4 (Directorate of Logistics, Engineering and Force Protection)
- Air Force Security Forces Center

### US Marine Corps:

- Combat Development & Integration
- Combat Development Directorate
- Marine Corps Warfighting Lab
- Programs & Resources (LtGen Mahoney)

US Navy:

- Unmanned Task Force: Mike Stewart, Director
- NAVAIR: PMA-263 (Colonel Argobright), Blue Water UAS
- Future Vertical Lift

#### **US** Army

- ISR Task Force
- PMUAS
- Futures Command

#### US Special Operations Command

• 5th Special Forces Group (Aviation)

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### Revenue Forecast - realistic

	2023	2024	2025		2026		2027
US Air Force SBIR funds	\$ 547,000	\$ 600,000	\$ 350,000				
State Agencies	:	\$ 2,000,000	\$ 10,000,000	\$	20,000,00	0\$	40,000,000
Royal Canadian Navy	5	\$ 10,082,996	\$ 15,124,494	\$	2,880,85	6\$	2,880,856
US Air Force Unit Sales	:	\$ 6,481,926	\$ 78,863,431	\$	90,746,96	1\$	68,060,221
US Marine Corps Unit Sales			\$ 6,481,926	\$	77,783,11	0\$	90,746,961
US Coast Guard Unit Sales				\$	9,722,88	9\$	49,694,765
Total by year	\$ 547,000	\$ 19,164,922	\$ 110,819,851	:	\$ 201,133,81	6 \$	251,382,803
					Tota	al \$	583,048,392
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### Raise and Exit: HAMR



Seed Round \$3.6M Raise \$1.8m DOD TACFI \$1.8m Private Investors

\$16.2M – Pre-investment valuation (\$18M Post)

3 Current investors interested in re-investing (~\$250K-\$400K)

Exit Strategy – Acquisition by a Defense Prime 3-5 years timeline \$>400M anticipated exit valuation

Primes invest in companies that fill a gap in their strategy

- Capability
- Customer

Make/Buy decisions occur often

- BUY is usually the result
- Primes prioritize minimizing their OH rates

Examples of similar exits

Boeing acquired Insitu – \$400M

- Strategy: acquire a UAS company/platform to be the cornerstone of their fledgling UAS strategy
  - Customer USMC

AeroVironment acquired Arcturus – \$405M

- Strategy: buy into the potential Army UAS contract Future Tactical Unmanned Aerial Systems contract
  - Capability AV had products in Group 1 & 2, needed Group 3

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# Use of Funds – 18 months







### **Business Development**



### Acquire Talent

#### \$1.1m

#### • Force multipliers

- Advisors \$ > equity in DOD space
- USMC Consulting Firm, shape requirements
- USAF Consulting Firm, shape requirements
- Commercial and other sales support
- Marketing / branding/ sales collateral, PR
- Blue Drone List
- Content renderings, videos, graphics
- Website upgrade
- Demos: UAV + spares + maint/ repair
- Travel, trade Shows

### \$1.2m

- Upgraded secure IT infrastructure and equipment
- Upgraded accounting system
- Legal (patent work, general corp matters)
- Strategic Partnership legal and accounting expertise
- Supplier/Vendor Management
- Rent, insurance, utilities, consortiums, etc
- Software

### \$700k

- 1. VP Engineering
- 2. Software Engineer architect digital platform
- 3. HR (recruiting, software, outsourcing)
- 4. Flight Operations

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# Questions?



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