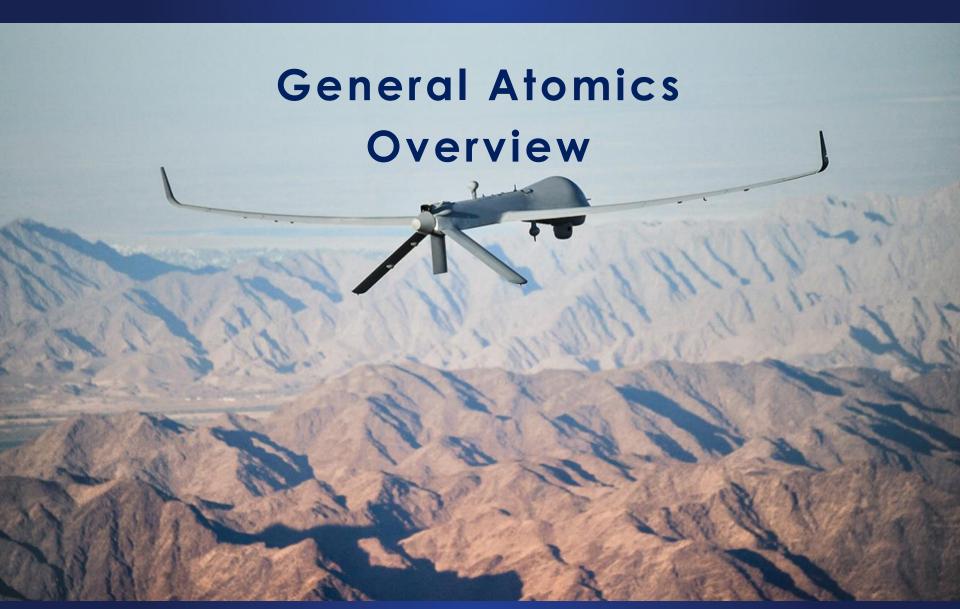
General Atomics Aeronautical Systems, Inc.



General Atomics' Predator





General Atomics' Predator The World's Benchmark

>5.8 Million total flight hours 2018 – Over 600,000 flight hours



Every second of every day, over 69 Predator-series aircraft are airborne worldwide

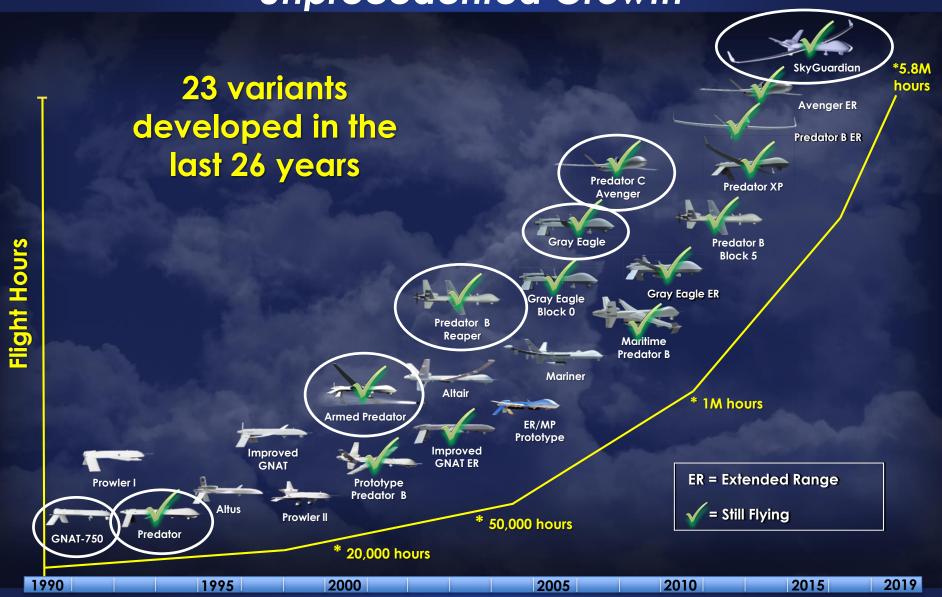
Long Endurance

Mission Flexibility

Best Value



General Atomics Aeronautical Unprecedented Growth



General Atomics Aeronautical Customer Base is Expanding



History of General Atomics & Predator



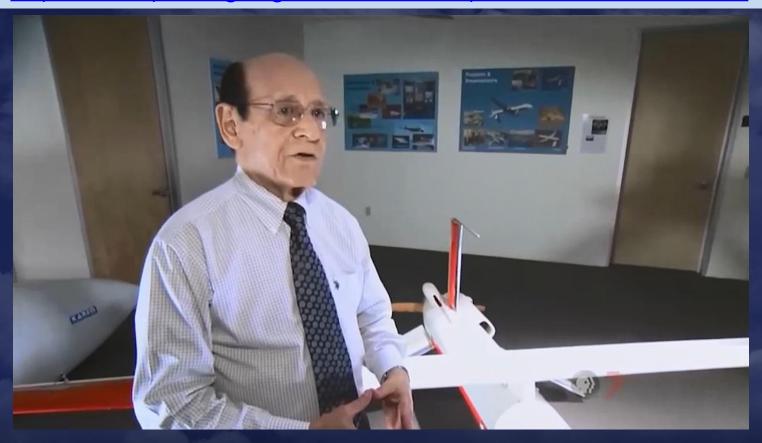
Abraham Karem The Father of Predator

- 1937, Baghdad → Israel
- Born inventor, trained engineer
- Israeli Air Force → IAI
- Epiphany: armed remote control drone loitering for days
- Emigrates to America
- Leading Systems
- Invents Albatross
- Amber → Predator



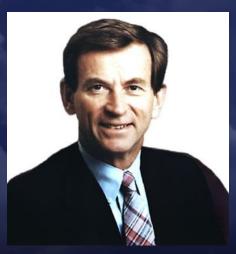
Inventing the Predator Abe Karem

"Rise of the Drones", 23 January 2013, PBS http://www.pbs.org/wgbh/nova/military/rise-of-the-drones.html



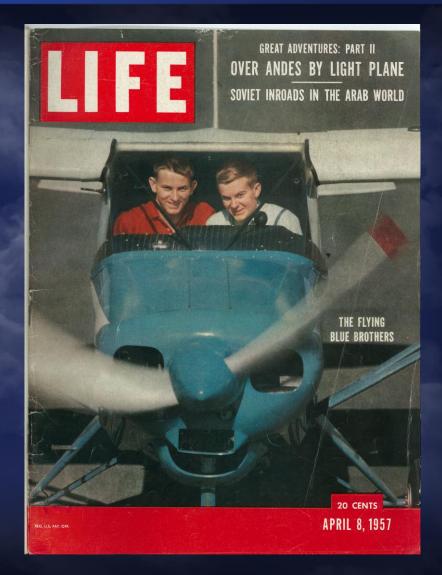
- 1935 & 1936, Denver
- Yale educated
- "Flight of the Bluebird"
- Nicaragua cocoa & banana plantation
- Cordillera Corporation
- Linden: Harvard MBA, Gates Learjet & Beech Aircraft





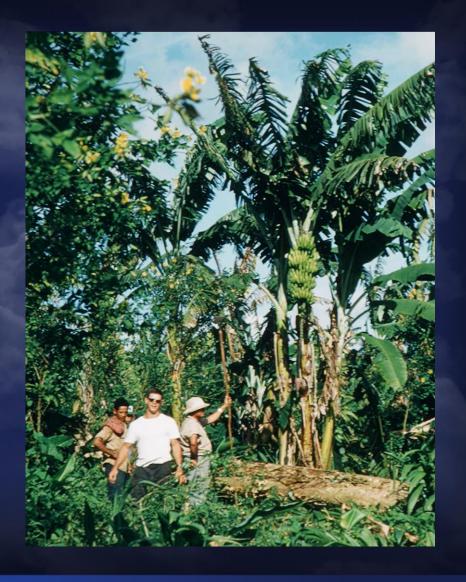


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The Vision Unmanned Affordable Weaponized Aircraft

- Advent of GPS
- Cordillera strategy shift
- General Atomic
 Technologies purchase
- Hired Tom Cassidy
- "Build it and they will come"
- Air / Space America '88





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A Perfect Match Successful Company, Right Product











Leading Systems, Inc.



A Perfect Match Successful Company, Right Product









GENERAL ATOMICS

AERONAUTICAL



Predator

"Aircraft That Changed the World"

AIRCRAFT THAT CHANGED

THE WORLD

THE EDITORS FEARLESSLY (OR FOOLISHLY) PICK 10.

10. General Atomics MQ-1 Predator

IN NOVEMBER 2002, A VEHICLE traveling in Yemen and believed to be carrying terrorists was destroyed by a Hellfire missile. What makes the kill historic is that it was executed by a flying robot. The first unmanned aerial vehicle to kill human beings, the MQ-1 Predator has changed the rules of warfare.

Built by General Atomics Aeronautical Systems, the Predator has been operational in Bosnia since 1995 and now is flying missions in Afghanistan and Iraq. The Air Force deployed the latest version, the MQ-9 Reaper, to Afghanistan last October.

The Predator, which has an operational ceiling of 50,000 feet,

is flown remotely by a "pilot" and two sensor operators housed in a trailer on the ground. The UAV has a nose camera, variable-aperture TV and infrared cameras, and a synthetic aperture radar to see through smoke, clouds, or haze. The RQ (R for "reconnaissance," Q for "un-

No pilot, multiple roles: The MQ-1 provides firepower, surveillance, and recon.

manned") model flies long-endurance, medium-altitude surveillance missions, while the MQ ("multi-role") version can carry up to four Hellfire II anti-armor missiles, two laser-guided bombs, and a 500-pound, GPS-guided Joint Direct Attack Munition precision bomb.

Today, the United States and other countries are increasing their use of UAVs for civilian missions, such as law enforcement, border control, and ocean surveillance. Even Hollywood has discovered their potential, putting them to work as movie camera platforms. Here's an aircraft that has changed not just the real world but the world of fantasy as well.



JUNE/JULY 2008 AIR & SPACE | 29

Predator "Aircraft That Changed the World"







Predator



Laser Designator



Armed Predator



Gnat 750



Big Safari



"Tall man in white"





And Then the World Changed



Drones Gain Acceptance And Proliferate



"Before the war, the Predator had skeptics because it did not fit the old ways. Now it is clear: The military does not have enough unmanned vehicles."

-- President George W. Bush at The Citadel, Dec. 11, 2001



Remotely Piloted Aircraft Today Critical to Success



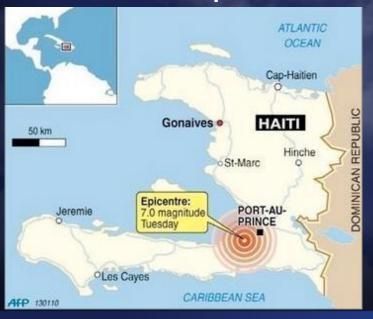
Domestic Border Protection Border Security & Counter Drug Operations



Humanitarian Support Post-Earthquake Recovery



Haiti Earthquake





Disaster Recovery Hurricanes and Flooding



Disaster Recovery Firefighting



Maritime Surveillance Enhancing Security









MQ-9B SkyGuardian Next Generation MALE RPA

Civil Airspace Certifiable **All Weather Auto Takeoff and Land** 42-hr Endurance >40,000 ft Wing Span: 79 ft. 38 ft. Length: Max Gross Takeoff Weight: 12,500 lb. **Payload Capacity:** 4,800 lb., 9 hard points (8 wing, 1 centerline) 45 kVA Power: Service Life: 40,000 hrs.

