

Aircraft Design A Conceptl Approach Aiaa Education Series

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Aircraft Design A Conceptl Approach

This month's update sees two new entries into the ranks of the AAM Reality Index, which attempts to quantify just how close an eVTOL company is to bringing its designs out of the render engines and ...

Overair Butterfly takes a unique eVTOL approach with military heritage

Researchers from the University of Michigan have developed 3D morphing wings they believe could help small aircraft safely navigate windy urban streets. The wing design could also help aircraft ...

New wing design could help aircraft be more stable in windy conditions

Small fans, all things considered, deliver thrust less efficiently than big ones. Lilium might have the best-looking aircraft in the eVTOL game, but it uses 36 tiny fans where competitors use 6-8 ...

Lilium's weird, energy-hungry "small fan" design could be a hidden ace

After an FY22 competitive shoot-off, the Army will kick off development of a long-range precision munition for its future aviation fleet.

US Army sets timeline to design new long-range weapon

Helium, hot air and variable speed rotors provide the lift for a cargo aircraft being developed. While some aerospace engineers are working on sexy, attention-getting aircraft such a supersonic ...

Innovative Airships Could Change the Face of Transport Aircraft

We've talked about several prototype or concept electric vertical takeoff ... between LA and San Francisco in an hour. The aircraft design uses four banks of two very large ducted fans that ...

Massive eVTOL aircraft concept can haul 40 people

The first route, from Manhattan to the Hamptons, will reportedly have a 30-minute flight time and a ticket price of \$85.

This Drone Bus Will Carry 40 Passengers Between Cities for the Price of a Train Ticket

The company revealed an electric aircraft called Maker. Able to take off and land vertically, the machine is a hint of a flying-taxi future.

This new electric aircraft has 12 propellers and hints at a flying taxi future

The GE-Safran effort offers the clearest signal yet of how global aerospace giants will seek to shrink their carbon footprints.

GE, Safran team up to design a jet engine that could cut fuel consumption by 20%

The fabulous Flying Yacht design has four 133-foot masts carrying 14,000 square feet of sail, and when the sails retract, the masts become wings.

Boat of the Week: This Wild Flying Yacht Concept Converts a Magnificent Sailing Vessel Into a Jet-Size Airplane

General Electric Co. and Safran SA are teaming up to develop technologies for a new generation of jet engines, seeking a breakthrough that would cut fuel consumption by more than 20% and potentially ...

GE, Safran Map New Jet-Engine Design for Lower-Carbon Future

The future of aviation looks better and better when it comes to sustainability, with electric and hybrid-electric, emission-free aircraft going from pure concepts to operating models. There are many ...

EcoPulse Hybrid Electric Aircraft Is Aviation's Future, Redefines Flight Control

Electra Aero, a company started by the founder of aerospace innovator Aurora Flight Sciences, has become the latest in a string of aerospace start-ups to unveil the design of an electric aircraft.

Electra Aero unveils concept for seven-passenger commuter aircraft

The bright minds from the University of Central Florida (UCF) are on a path to revolutionize the future of air travel, and even facilitate interplanetary transportation.

Stabilized Detonation Could Speed Aircraft to Mach 17

The new gameplay trailer for 'Battlefield 2042' continues the series' proud tradition of throwing a ton of new weapons and armor at players.

The 'Battlefield 2042' gameplay trailer is here with a ton of new guns, armor, and aircraft

South Korea's two largest ship builders have showcased design concepts for the Republic of Korea Navy's (RORN) CVX future aircraft carrier program. Seoul's requirement calls for a 30,000-40,000 ton ...

South Korean Shipbuilders Float Carrier Design Concepts

Halo, the first global provider for private urban air mobility, has placed a firm order of 200 Eve Urban Air Mobility vehicles.

Halo Becomes First Global Provider for Private Urban Air Mobility with 200 eVTOL Aircraft Order from Embraer's Eve Urban Air Mobility Solutions

a bonkers new jumbo jet concept is aiming to change that. SE Aeronautic's new SE200 prototype takes a disruptive approach to every metric in ultra-wide-body aircraft design and performance.

This Bonkers Tri-Wing Jumbo Jet Concept Reduces Fuel Consumption by 70%

Eve Urban Air Mobility Solutions, Inc. (Eve) and Halo today announced a partnership focused on developing Urban Air Mobility (UAM) products and services in the United States and the United Kingdom.