

# Zunum planning fleet of hybrid-electric planes

Seattle-based startup Zunum Aero, backed by aviation giants Boeing and JetBlue, is aiming to reshape regional air travel with its ZA10 – the first in a series of planned hybrid-electric commuter aircraft

## ZUNUM AERO ZA10

### Cockpit

One or two pilots



**Orders:** *JetSuite* to buy up to 100 aircraft

**Cabin:** Seating for 12 passengers in economy class configuration, or nine premium, or six executive

**Operating costs:** Zunum targeting \$250 per hour – 60-80 percent lower than comparable conventional aircraft

## PROPULSION SYSTEM

### Integrated control platform

Determines optimal energy usage plan for each flight and manages battery power

**Battery packs:** Can be quickly swapped out at airports instead of waiting to be recharged

### Hybrid powertrain

**Safran Ardiden 3Z** turbine engine powers integrated turbo-generator, delivering 500kW of electrical power to supplement battery packs during key stages of flight and over long ranges

## ZA10 SPECIFICATIONS

Length	12.8m
Wingspan	15.9m
Max cruise	547km/h
Range	More than 1,127km
Altitude	7,620m

**Fuel tank:** 363kg capacity

### Electric propulsors

Promise 40 percent reduction in runway needs and 75 percent lower noise compared to traditional regional aircraft. Carbon emissions could be cut by up to 80 percent