OUR VISION IS TAKING SHAPE
E-JETS
REALITY IN THE MAKING
E2 BY THE NUMBERS

15MM
The E-Jets family has over 15,000,000 flight hours, which translates into MATURITY IN OPERATION for the E2 and higher reliability for your business.

400nm
Up to 400 nm or 2 tons IMPROVED PAYLOAD RANGE to tap new markets and improve revenue.

25%
Up to 25% maintenance savings per seat and up to 24% fuel burn reduction per seat contributes to a NEW STANDARD IN LIFE CYCLE COST.

3 DAYS
A requirement of less than 3 days of pilot transition training ensures a SMOOTH TRANSITION FROM CURRENT-GENERATION E-JETS, minimizing transition costs.

60%
A noise footprint reduction of over 60% helps in BUILDING A SUSTAINABLE FUTURE.

30%
A bin size gain of 30% maximizes revenue opportunities while contributing to a BENCHMARK PASSENGER EXPERIENCE.

REALITY IN THE MAKING

NOW FAR BEYOND THE FIRST-METAL-CUT milestone, the E-Jets E2 program has moved from concept to reality, and we’re busy assembling the first E2 prototype for a 2016 first flight.

Continuously improved current models led the way, providing performance, economy, and a benchmark passenger experience. With over 1,500 orders, E-Jets have defined a new segment and changed the way the world flies, blurring the line between mainline and regional markets. And now E2 — the second generation — signals even higher achievement than the first. Not simply an exercise in technology, it was designed to deliver the highest profit potential and asset performance in the 70 to 130 seat segment.
WELCOME TO THE FAMILY — three new models reconceived from nose to tail in the E-Jet tradition of offering the versatility to match capacity with market demand. The range, passenger comfort, and cabin amenities to tackle missions ranging from short hauls to long thin routes. And the reliability, performance, and economy to help airlines succeed.

The first generation of E-Jets has served with distinction in countries all across the globe. And we deliver complete solutions to help minimize life cycle cost. Our worldwide Services and Support network includes 37 Service Centers and a central Customer Care Center that provides a prompt response mechanism for a full range of needs, including: field and technical support, material and spare parts, flight and maintenance operations consulting, aircraft upgrades and modifications, comprehensive crew and personnel training, and technical publications and eSolutions.

Given our record of success and the large existing customer base, the E2 program represents a low-risk investment for airlines and the financial community.
E-JETS E2 MARKS THE EVOLUTION of a proven family deployed effectively in diversified business applications. A modular approach to seating installation allows for efficient configuration or re-configuration to achieve conformance with different fleet standards. Depending on operational requirements, E2’s cabin flexibility accommodates configurations ranging from three-class (dedicated first, premium economy, and economy) to high-density seating arrangements — with maximum seat counts of 90, 114, and 146, respectively.

Whether from the perspective of a primary or secondary market, E-Jets are compelling for their ability to sustain high re-marketing value and strong lease rates. This financial attraction will be even stronger with E-Jets E2, a true generational leap to help airlines maximize return on aircraft assets.

### SPANNING ALL BUSINESS MODELS

#### E175-E2

DUAL CLASS | 80 seats
8 @ 36” pitch | 72 @ 31” pitch

SINGLE CLASS | 88 seats
88 @ 31” pitch

#### E190-E2

DUAL CLASS | 97 seats
9 @ 38” pitch | 88 @ 31” pitch

SINGLE CLASS | 106 seats
106 @ 31” pitch

#### E195-E2

DUAL CLASS | 120 seats
12 @ 38” pitch | 108 @ 31” pitch

SINGLE CLASS | 132 seats
132 @ 31” pitch

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### Seating: Flexible Options

**E175-E2**

- **DUAL CLASS**: 80 seats
  - 8 @ 36” pitch
  - 72 @ 31” pitch
- **SINGLE CLASS**: 88 seats
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**E190-E2**

- **DUAL CLASS**: 97 seats
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- **DUAL CLASS**: 120 seats
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  - 108 @ 31” pitch
- **SINGLE CLASS**: 132 seats
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**Cover** | **Overview** | **Specifications** | **LOPAs** | **Cockpit** | **Economics** | **Interior** | **Contact**
E-JETS E2 WILL BE EQUIPPED with Honeywell’s Primus Epic 2 advanced integrated avionics system, providing exceptional situational awareness enhanced by large, 13x10-inch landscape displays and reduced pilot workload. Innovative technologies such as synthetic vision and Honeywell’s Next Generation Flight Management System (NGFMS) support more fuel-efficient direct approaches to airports. Cockpit commonality with current-generation E-Jets allows for a smooth transition to the new E2 platform.
THE WING AND ENGINE combination for the E175-E2 and a common larger wing and engine for the E190-E2/E195-E2 are optimized to deliver maximum performance.

The architecture of E2’s Pratt & Whitney PurePower® GearedTurbofan™ engines — the PW1700G (E175-E2) and PW1900G (E190-E2 and E195-E2) — improves efficiency by reducing the number of stages and parts. Engines work with the new wings and other advanced controls and systems to create significant improvements, not only in fuel burn, but in maintenance costs, emissions, and external noise.

The E2s sport high-aspect ratio wings with swept tips that, combined with redesigned pylons and other aerodynamic improvements — and coupled with our enhanced fourth generation full fly-by-wire — achieve double digit lower fuel consumption compared to current-generation E-Jets.
ACCOMMODATING VARIOUS BUSINESS MODELS, and taking full advantage of revenue management and ancillary revenue opportunities, the modular E2 cabin facilitates the pursuit of premium-fare passengers without sacrificing the budget-sensitive. Further improving on an established benchmark, the E2 includes several innovations unique to its segment. Thirty percent larger overhead bins — combined with a four-abreast cabin — allow all passengers to stow their carry-on bags. Individual Passenger Service Units (PSUs) emphasize the sense of personal space. A flexible 0.5” pitch adjustment in economy optimizes the use of the cabin. And a new staggered seat configuration in the premium cabin allows for individual seats and vastly enhanced legroom.

Special attention was given to leasing-company requirements for a very liquid asset. For example: predefined structural and electrical provisions for the most common options, modular cabin monuments, and a first class staggered-seating option that uses the same bins and seat tracks as the economy class.

In recognition of outstanding innovation in the field of aircraft cabins, the concept for the E-Jets E2 cabin interior has received the prestigious Crystal Cabin Award in the “Industrial Design and Visionary Concepts” category.

1. Economy seating with optional integrated tablet holder; an eEnabled Cabin
2. Bin fits IATA 56x45x25 cm (22”x18”x10”) cabin baggage in wheels-first position
3. Staggered first class seating
4. Individual PSU
5. Large transparent area inside and window bezel improving passenger perception and facilitating maintenance
Let us show you how E-Jets can help transform your business.