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**EMBRAER**  
*Executive Jets*



# PROGRESS REPORT

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### From the desk of Luís Carlos Affonso

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Luís Carlos Affonso, Embraer Executive Vice-President, Executive Jets

I am elated to tell you that the roll-out of the Phenom 100 took place this past weekend. It's thrilling to see the Phenom 100 become a reality. I am confident that the Phenom 100's premium comfort, outstanding performance and low operating costs will impress our customers and it will become the benchmark in the Very Light Jet segment.

The second and third Phenom 100 are also steadily progressing. The second jet recently had its wing and fuselage mated while the third is in sub-assemblies manufacturing at the Botucatu facility.

Enjoy the news!

Luís Carlos Affonso

### The Phenom Programs

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The Phenom jets are clean-slate designs, envisioned to offer premium comfort, outstanding performance and low operating cost. Embraer has partnered with renowned aviation industry leaders to manufacture and support the Phenom 100 and Phenom 300.

Announced in May 2005, the Phenom 100 and Phenom 300 are scheduled for first flight in mid-2007 and mid-2008 and entry into service in mid-2008 and mid-2009, respectively.



Some of the Phenom 100 Engineering, Manufacturing and Quality team members

## The Phenom 100 Program

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### Manufacturing

**The First Phenom 100** – At the end of May, the vertical and horizontal empennages were installed, both innovatively in composite material. The last parts installed were the control surfaces, windshields, airstair door, fairings, emergency exit door, aft boom, baggage compartment door, and the nose and tail cones. In addition, four cameras were attached to the wing, fuselage and aft boom for test flight recording. Assembly was completed on June 15<sup>th</sup>.

At 7 a.m. on June 16<sup>th</sup>, the first Phenom 100 rolled out of hangar F-30/1 at Embraer's main facility. This event marks the completion of the aircraft assembly and systems integration phase. The new aircraft moved to the paint shop, where it will receive its branded paint scheme, and will then begin a series of ground tests over the next few weeks in preparation for its first flight.



*"The roll out of the first Phenom 100 is a landmark achievement that reflects the unwavering commitment and unrelenting drive of our engineering, manufacturing and quality teams to accomplish this goal,"* said Henrique Langenegger, Embraer Vice President Programs, Executive Jets. *"With over 400 engineers dedicated to the Phenom 100 program over the last two years, the adoption of cutting-edge technologies enabled a paperless design process, an efficient integration of over 50 suppliers, serial production tooling for the very first aircraft and fully-digital quality assurance."*

The Phenom 100 Program – *continued*

Manufacturing

The Second Phenom 100 Wing-fuselage mating – The second Phenom 100's wing-fuselage mating occurred on June 12 and the jet is already undergoing systems integration in São José dos Campos.

Systems – The hydraulic system, antennas, acoustic insulation, and smaller harnesses are already in the second Phenom 100. The anemometric system is currently being installed.



Second Phenom 100 arrives at main plant



Second Phenom 100 wing-fuselage mating



Second Phenom 100 wing positioning



Second Phenom 100 wing-fuselage alignment



Second Phenom 100 wing-fuselage mating