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First flight of the K2B6 system with electronic injection

Unmanned Solutions successfully conducted last Friday November 11th on its flight research center in Marugan (Segovia – Spain) the first flight of the electronic injection system that will be part of the new UAV optimized power plant currently under development.

The K2B model, in its 6 meter wingspan configuration, constitutes the fourth generation system designed and engineered by Unmanned Solutions. With a maximum weight (MTOW) of 100 kg and 45 kg of useful load, the K2B6 can transport fuel and mission equipment required for most civil and security applications, with over 12 hours endurance.

The new power plant will substantially increase the performance of K2B6. With an estimated 6.000 meter (20.000 ft) ceiling and over 18 hours of endurance, it will constitute a viable alternative to existing MALE (Medium Altitude Long Endurance) systems with dimensions, operation cost and investment an order of magnitude greater than these of the K2B6. Thus, the new system of Unmanned Solutions with electronic injection is positioned as the best system in the market for civil and global surveillance MALE applications, in terms of value for money.

Unmanned Aircraft Systems, UAS, applications in the civil and security market have numerous applications ranging from fire and other disasters prevention or management, border patrol and counter terrorism to more quotidian uses as infrastructure monitoring, agriculture, aerial photography and cartography.



DETAIL OF THE INJECTION SYSTEM

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IN THE RUNWAY

[\(High resolution image\)](#)



INJECTION SYSTEM CONTROL APPLICATION

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FLIGHT OVER AIRSTRIP

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UNMANNED SOLUTIONS K2B6 SYSTEM

([High resolution image](#))

About Unmanned Solutions

Unmanned Solutions (Usol) is a technological-based company, founded from the Aeronautical and Space researchers from the Universidad Politecnica de Madrid (UPM). Established in 2008 to design and engineer unmanned aircraft systems. Currently it employs 15 engineers in its Madrid based headquarters and its flight testing facilities in Marugan (Segovia).