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Galileo satellites to bring boost to Case IH AFS RTK+ users

Inclusion of Galileo satellite network to increase available satellites for signal provision / Case IH AFS RTK+ network users to benefit from reduced likelihood of signal loss in situations such as working under trees / Availability in first markets from January 2019



Case IH is enhancing the robustness of its RTK+ correction signal network by adding the European Galileo system to the compatible satellites with which it works, to maximise levels of signal reception and reliability for farmers using Case IH RTK+-guided auto-steering and related technologies.

Real time kinematic (RTK) systems typically depend on signals from the American GPS or Russian GLONASS satellite networks, both designed primarily for non-civilian use. To give European Case IH users a reliable alternative when using RTK+-guided steering systems with their sub-1.5cm repeatable accuracy, Case IH AFS RTK+ now also uses the Galileo network, a European system focused on civilian use.

The addition of Galileo to the global GNSS constellation helps minimise the risk of signal failure, a key driver for the integration of its signals into the Case IH AFS RTK+ signal system. European satellite network independence is a principal objective, but Case IH AFS RTK+ is also designed to be compatible with existing and planned GNSS satellites and inter-operable with GPS and GLONASS.

Galileo builds on the capabilities of EGNOS (European Geostationary Navigation Overlay Service), the first pan-European satellite navigation system, with improved positioning and timing information. As a result, consistency of signal coverage is enhanced, and a robust and reliable signal for accurate pass-to-pass repeatability is ensured. This benefits farmers by minimising downtime from waiting for lost signal to be regained, and ensures consistently high efficiency of use of seed, fertiliser and crop protection products through parallel passes with minimal overlap, thereby maximising crop potential.

“The use of GNSS technology is opening up new productivity levels and opportunities in European agriculture, providing farmers with an unprecedented level of knowledge about their crops, livestock and operations while making the sector more efficient, economically competitive and environmentally

PRESS RELEASE

sustainable,” says Maxime Rocaboy, Product Marketing Manager AFS technology at Case IH.

“Enhanced RTK+ accuracy through incorporation of signals from the Galileo satellite system is a core way in which we can help Case IH tractor and combine users be innovative and competitive as they seek to help develop a sustainable agriculture to feed an ever-increasing world population in an environmentally responsible way.”

Press releases and photos: <http://mediacentre.caseiheurope.com>

Case IH is the professionals' choice, drawing on 175 years of heritage and experience in the agricultural industry. A powerful range of tractors, combines and balers is supported by a global network of highly professional dealers dedicated to providing our customers with the superior support and performance solutions required to be productive and effective in the 21st century. More information on Case IH products and services can be found online at www.caseih.com.

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