

# ACTIA Sweden and Väderstad explore satellite-enabled telematics for connected farming

Proof-of-concept demonstrates how satellite communication could complement cellular connectivity for agricultural machinery operating beyond mobile network coverage



**ACTIA Sweden and Väderstad are collaborating on a technology proof-of-concept to explore how satellite communication could complement cellular telematics for agricultural machinery.**

The initiative demonstrates ACTIA Sweden's engineering capability to work with satellite communication in off-highway telematics environments, while supporting Väderstad's long-term interest in connected machines, digital services and data-driven farming. The current proof-of-concept uses ACTIA hardware in an NB-NTN test setup and focuses on selected low-bandwidth machine data.

Connectivity is becoming increasingly important in modern agriculture. Machine data, fleet visibility, location information, service support and field-work insights all depend on reliable communication between machines and digital platforms. At the same time, many farms operate in areas where cellular coverage can be limited, unreliable or unavailable.

"Satellite communication is becoming an important additional layer for connected off-highway platforms. With this proof-of-concept, ACTIA Sweden is showing that we have the competence, platform knowledge and engineering capability to support customers as satellite technologies become part of the connectivity landscape. Our focus is to remain technology-flexible and help customers choose the right communication path for the right use case."

Olle Wärn, CCO, ACTIA Sweden

By exploring satellite communication, ACTIA Sweden and Väderstad are evaluating how future telematics architectures could maintain selected data communication when a machine is operating outside terrestrial mobile network coverage.

## A practical step toward resilient machine connectivity

The purpose of the proof-of-concept is not to replace cellular communication. Instead, the work explores how satellite connectivity could become an additional communication layer for selected machine data when terrestrial networks are not available. Possible future use cases under evaluation could include:

- machine status updates and periodic health messages
- location messages and asset monitoring
- fault-code reporting and service notifications
- basic fleet visibility in areas with weak or no cellular coverage

"Our customers operate in many different conditions around the world, and in some markets connectivity gaps are a real operational challenge. This collaboration with ACTIA helps us explore what satellite communication could mean for future connected agriculture. At the same time, it is important to be clear that this is a technology proof-of-concept and not a commercially available Väderstad product."

David Askenteg, Director Product Management, Väderstad