AGI

FIELD & MACHINE LEVEL MONITORING

AGI Farmobile®

AGI FARMOBILE®

Easily collect data to validate sustainability efforts with AGI Farmobile®

The AGI Farmobile® PUC® is a plug-and-play device that automatically captures agronomic and machine data across a mixed fleet of agricultural OEM and aftermarket equipment. Then via cellular networks the device sends the data to the DataEngine Platform where it is organized in real-time and available to view, access, share and download via mobile or desktop.

AGI supports sustainability projects by:

- Providing access to market-leading digital hardware (such as the AGI Farmobile PUC) and software (such as AGI Farmobile DataEngine software)
- Supporting data collection, measurement and analysis for farmers needing to fulfill measurement, reporting and verification (MRV) requirements
- Providing technical support to guide the adoption of best practices and documentation of lessons learned

Increase productivity and profitability by taking advantage of emerging sustainability-focused markets.

- The AGI Farmobile PUC can collect 54% of attributes required for carbon credit and sustainability verification
- Passive data collected can speed up survey data input by 50%-70%
- An AGI Farmobile PUC can reduce the associated time and cost of collecting data by 6-to-8 times compared to an operation where data collection is either manual or disparate

PUC® DEVICE

Accurate

The AGI Farmobile PUC records data as you work with data tied to precise locations in the field. Data is automatically standardized and organized by field to capture full season results.

Complete

By digitally recording every pass on a field, you create a digital system-of-record proving how a crop is produced including tillage practices, seed and inputs. Collected year-over-year it serves to further validate sustainability claims.

Simple

Many sustainability-focused market opportunities, such as carbon markets, require specialized data layers. The AGI Farmobile PUC simplifies the data collection for activity layers beyond planting and harvesting, including spraying, spreading, tillage and more to capture a more complete sustainability record.

LET'S TALK! 855.293.5607

FEATURES

Plug-and-play

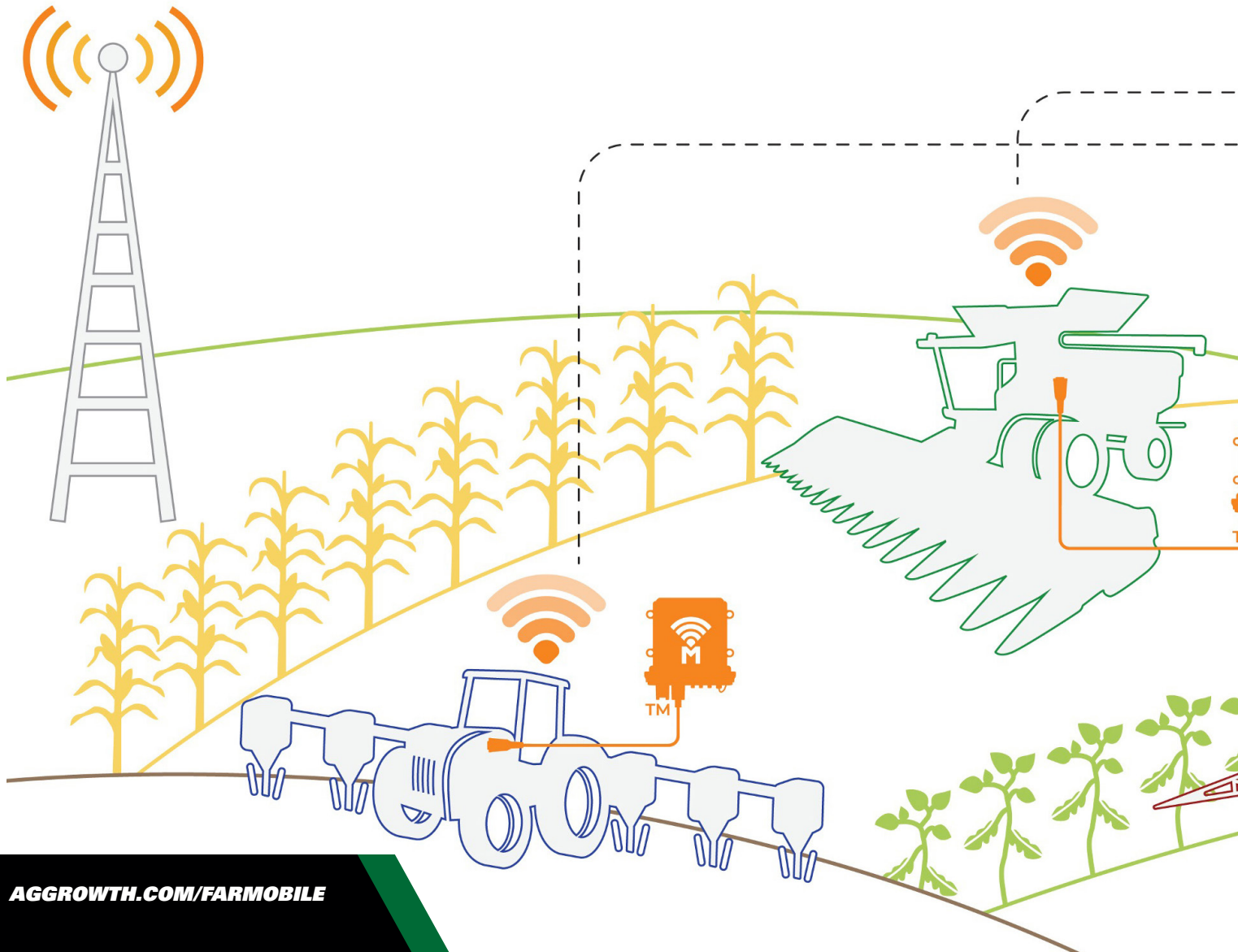
The AGI Farmobile PUC is ready to transmit data right out of the box.

Cellular network

The AGI Farmobile PUC streams data from the cab to the cloud and then organizes, standardizes and delivers agronomic and machine data for real-time viewing and record keeping.

Iron-neutral

Every North American farm operates differently. AGI's technology is unique because it works across a wide variety of makes, models, brands and ag machinery.

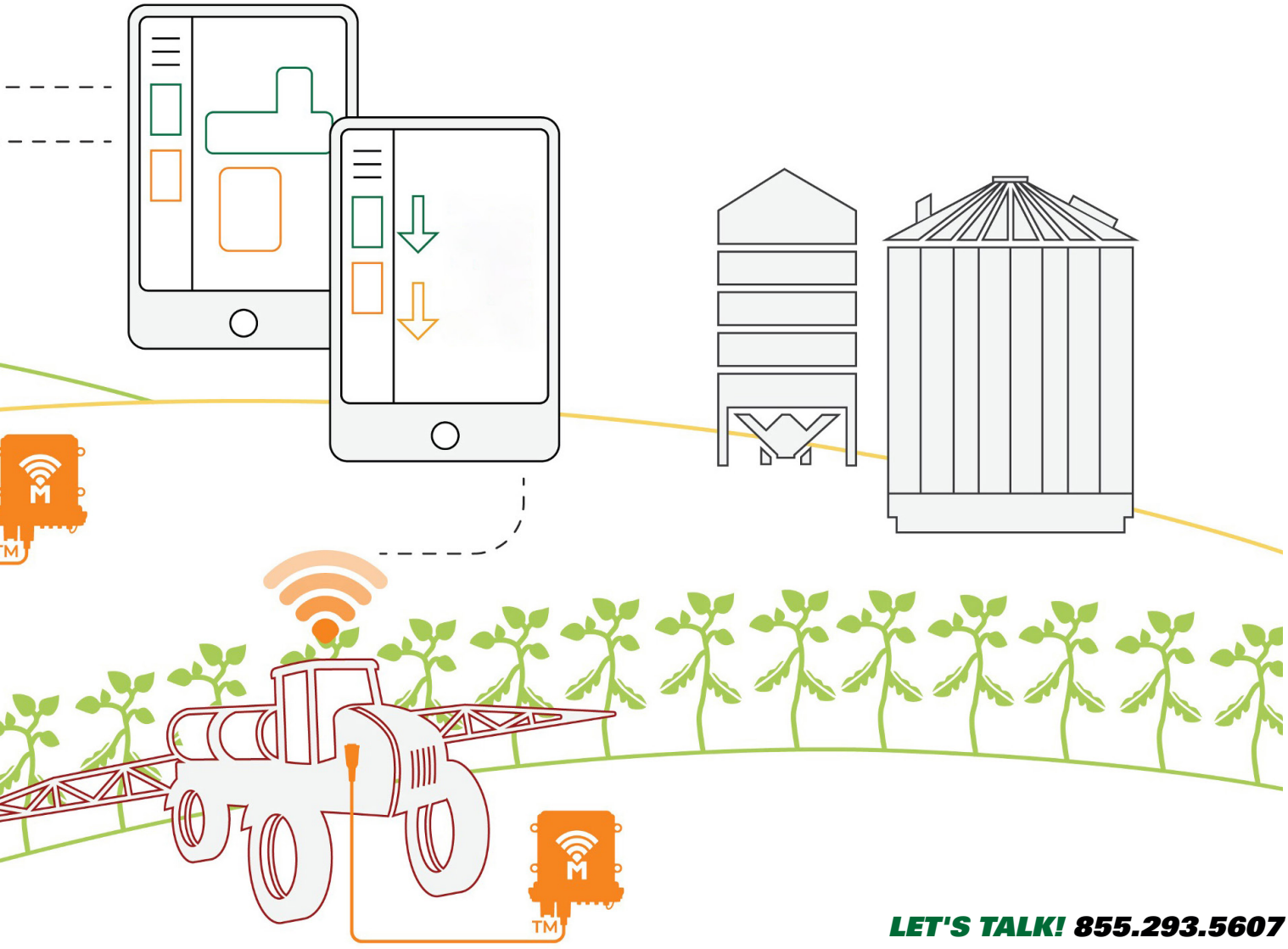


Simplicity

The AGI Farmobile PUC passively collects data as machines move across the field without interfering with other in-cab technologies.

Document sustainability

The AGI Farmobile PUC collects field layers beyond planting and harvesting, including tillage, spraying and spreading to capture a more complete sustainability record.



DATA COLLECTION*

Engine

Engine speed, engine load, engine torque, fuel level, fuel rate, DEF level, oil pressure, engine temperature, engine hours, machine swath and PTO

Diagnostic

Suspect Parameter Number (SPN) and Failure Mode Identifier (FMI)

Agronomic (planting)

Average seeds per second (per row), average population, target population, downforce, seed spacing, average singulation, bin rates (air seeders) and bin targets (air seeders)

Agronomic (spray)

Applied spray rate, target rate, current pressure, tank level and spray sections on/off status

Agronomic (harvest)

Crop, mass flow, used header width, moisture, wet yield (calculated), dry yield (calculated) rotor speed, sieve opening, chaffer opening and concave opening

Agronomic (spread)

Applied bin rates, target bin rates and spinner speed

GEO location and travel path

Latitude, longitude, altitude, time stamp and true course

Tillage, baling and other day-to-day machine operations

*Data collected by PUC is limited to data availability from machine's available sensors.

HOW IS AGI FARMOBILE HELPING SUPPORT PARTNERS' SUSTAINABILITY OUTCOMES?

Aiding farmers' adoption of regenerative practices and generating verifiable data

AGI's role involves:

- Supporting farmer identification, enrollment and engagement including identifying and testing delivery models, sharing best practices and documenting lessons learned
- Supplying the hardware (AGI Farmobile PUC) and software, delivering technical assistance and leading the data collection, consolidation and analysis process with participating farmers
- Collaborating with other program partners to validate and verify the process, protocols and generated outcomes from farmers' agricultural practice changes

Long-term intended outcomes include soil carbon sequestration, reduced greenhouse gas emissions, improved water quality and other biodiversity outcomes.

Accelerating the adoption of sustainable biofuels with technology

AGI's role involves:

- Providing training and technical assistance to enrolled farmers
- Supplying the field-level (AGI Farmobile PUC) and grain bin monitoring hardware (AGI BinManager®) and software required to measure and evaluate the advantages of certain crops as low-carbon, renewable fuel feedstock
- Leading the data collection and data delivery process to validate agricultural practice changes and measure their impact on environmental outcomes such as carbon sequestration

Long-term intended outcomes of the project include increased soil health, increased carbon capture in soil and reduced carbon intensity from crops.

> The USDA Climate Smart Commodity Grant will help us better understand how we can drive camelina carbon intensity even lower by paying for performance rather than just paying for practice changes. AGI Farmobile is a key partner because it all starts with the data – recording what was done, when it was done and how it was done. The data from AGI is a foundational building block for our study. AGI (Farmobile PUC) data collection is color-blind, has independent data flow, and the team is great to work with.
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> **— Kevin Monk, Vice President of Sustainable Oils, Inc.**

AGI

AGI is a global leader in supplying farm and commercial customers with the manufacturing, planning, and engineering of full equipment solutions for grain, seed, fertilizer, feed, and food. AGI's expertise enables the storage, blending, mixing, conveying, conditioning, processing, and protection of agricultural products and inputs worldwide.

SEE OUR FULL PRODUCT PORTFOLIO

Your safety is our highest priority.

Please read and understand the operator's manual and safety decals before using. Use and maintain products properly, and do not modify. Keep guards in place when operating and follow all product manuals and safety decals. For all AGI products, if guards, safety decals, or manuals are damaged or missing, contact your AGI sales or dealer representative for replacements. Images and information contained in this brochure are presented for general information.

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