

Gigaton Spotlight: Soiltech

How AT&T connectivity expertise enables emissions reduction and business value

About Soiltech

Founded with the mission to help farmers improve crop production, Soiltech's farm management solutions provide real-time monitoring across the entire crop production cycle.

Gigaton Pathway: Industrial Technologies

- Soiltech's solutions consist of their Beacon sensor and software, along with farm management system Soiltech Insights. Beacons provide easy-to-understand crop data all year long from planting to harvest, transport, and storage. The Soiltech Insights platform connects the food system, providing a means of communication and tracking between growers, advisors, retailers, and food processors.
- Farmers and their industry partners utilizing these solutions are able to make informed decisions about resource management to maximize profitability, enhance sustainability, and reduce the risk of crop loss through spoilage.
- Initially developed for root vegetables, Soiltech's technology is adaptable for crops of all kinds, expanding the scale of opportunity and enabling more users to improve crop management.



Soiltech is contributing to AT&T's Gigaton Goal

- By using Soiltech's solutions, a potato farm covering 10,000 acres has the potential to reduce inputs equivalent to over 250,000 gallons of gasoline and 500 million gallons of water while increasing crop yields by 4%.
- A CO2 cap add-on for the Beacon sensor enables farmers and food processors to monitor carbon dioxide levels in real time in both the field and during long-term crop storage.

Connectivity helps enable Soiltech's success

- Through the use of AT&T's Internet of Things (IoT) connectivity, Soiltech's Beacon sensor can stay with crops from planting to harvest, transport, and storage, continuously collecting data throughout the crop's journey. Data is transmitted through AT&T's network to the Signal online platform, accessible on both desktop and the Soiltech app. AT&T experts played a critical role in ensuring the Beacon sensor can consistently transmit information across a wide range of operating environments.
- AT&T's work with Soiltech underscores the opportunity for aligning business objectives with sustainability considerations, with the collaboration driving revenue while addressing environmental challenges.