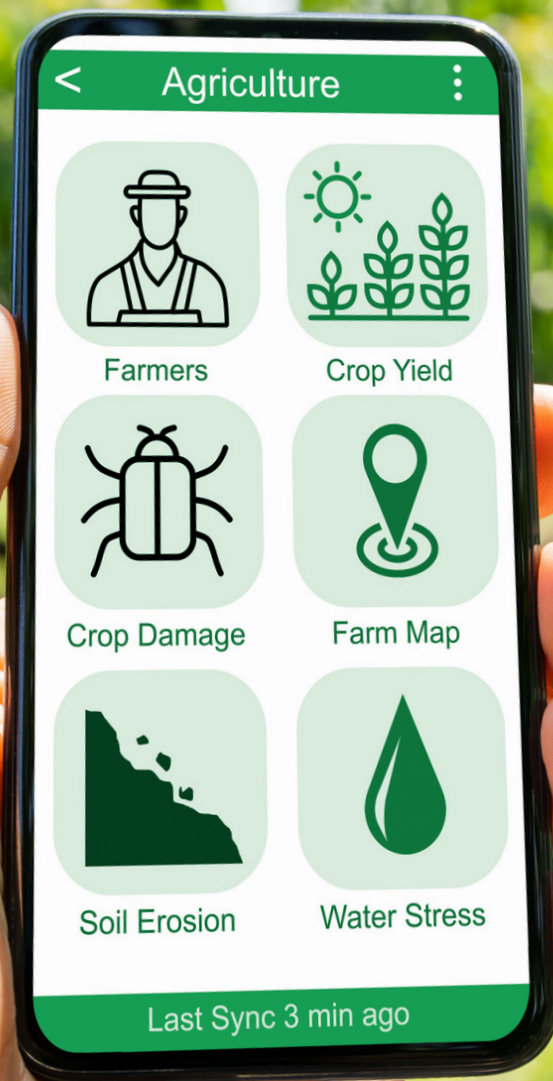


Prolifics



Advancing Sustainable Agriculture with Tech.

How Smart Farming Can Revolutionize Agriculture.

Download now for free.



Smart farming: Harnessing technology and data to streamline agricultural processes, enhance productivity, and maximize yields.

Farm smarter, not harder!

HELPING FARMERS ACHIEVE HIGHER YIELD



SITUATION

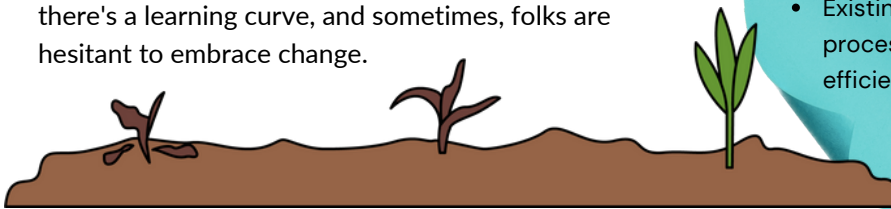
As a farmer, your goal is top-quality crops, each receiving the perfect balance of water, sunlight, and air. Yet, with fields spread out, keeping track of everything is no easy feat.

Now, let's broaden the perspective: modern farming goes beyond fields. It's about managing materials too. Consider a recent shipment: knowing its arrival time, storage conditions, and usage schedule is vital for crop health. However, without the right tools, like data analytics and smart technology, managing this supply chain becomes a real challenge.

CHALLENGE

Switching from traditional methods to smart technology can be tough. One common challenge lies in ensuring data quality and integrity, particularly when transitioning from manual data collection methods to automated IoT systems. Additionally, there's a learning curve, and sometimes, folks are hesitant to embrace change.

- Unstructured data capture methods hinder the correlation and analysis of farming process steps.
- Previous attempts at data analysis and optimization leading to hesitancy from the company.
- Existing data silos and manual processes across farms impede efficiency and yield optimization.



OBJECTIVES

- Utilize IoT technologies to monitor environmental factors such as moisture, temperature, and airflow within grow houses.
- Implement smart manufacturing techniques to streamline processes, reduce inefficiencies, and enhance yield consistency.
- Analyze historical and real-time data to identify patterns, optimize farming methods, and forecast yields.
- Provide actionable insights to stakeholders for informed decision-making and continuous improvement.

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SOLUTION

Data Standardization and Analysis

- Reliable insights for informed decisions.
- Optimized yields through trend analysis.
- Enhanced operational efficiency with consistent data.

IoT Integration in Grow Houses

- Optimal growth conditions for high-quality crops.
- Improved crop yield and quality assurance.
- Proactive adjustments for maximized harvests.

Smart Manufacturing Implementation

- Consistent product quality with automation.
- Efficient operations through real-time feedback.
- Continuous improvement for sustainable growth.

Supply Chain Optimization

- Improved product handling and quality assurance.
- Reduced costs and enhanced efficiency in logistics.
- Enhanced supply chain visibility and control.

BENEFITS

This approach ensures continuous improvement and adaptability in an evolving agricultural landscape.

- Improved yield consistency and quality through real-time monitoring and optimization of environmental conditions.
- Enhanced data-driven decision-making for farming operations, leading to increased productivity and profitability.
- Streamlined processes and reduced manual intervention, resulting in cost savings and resource efficiency.
- Scalable solutions that can be applied across multiple farms, facilitating expansion and acquisition strategies.



ABOUT PROLIFICS

Prolifics is a digital engineering and consulting firm helping clients navigate and accelerate their digital transformation journeys. We deliver relevant outcomes using our systematic approach to rapid, enterprise-grade continuous innovation. We treat our digital deliverables like a customized product – using agile practices to deliver immediate and ongoing increases in value.

We provide consulting, engineering and managed services for all our practice areas – Data & AI, Integration & Applications, Business Automation, DevXOps, Test Automation – at any point our clients need them.

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