Farm to Fork: An integrated machine-to-machine smart solution that eliminates food wastage, fosters traceability, ensures quality, and optimizes inventories.

Keep your produce fresh till the very end

Tech Mahindra represents the connected world, offering innovative and customer-centric information technology services and solutions, enabling Enterprises, Associates, and the Society to Rise. We are a USD 2.7 billion company with 83,000 professionals across 49 countries, helping 540 global customers including Fortune 500 companies. Our Consulting, Enterprise, and Telecom solutions, platforms, and reusable assets connect across a number of technologies to derive tangible business value.

We are part of the USD 16.2 billion Mahindra Group that employs more than 155,000 people in over 100 countries. The group operates in the key industries that drive economic growth, enjoying a leadership position in tractors, utility vehicles, information technology, and vacation ownership.

Our Consulting Practice has helped clients achieve breakthrough improvement in business processes, build high-performance business operations, make smart investments in Information and Communications Technology assets, and enhance business value of IT investments that are in line with the strategic objectives of the enterprise. Our approach has improved business operations and the overall IT function for some of key customers.
Farm-to-Fork: The critical enabler for taking supply chain to new frontiers.

The annual global waste of perishable goods is enormous. According to market reports, as much as half of all the food produced in the world – equivalent to 2 billion tonnes – never makes it onto plates. Multiple studies have found around 10-15% of global food production wasted in the cold supply chain alone. Market research indicates that the food industry discards as much as €25 billion a year in spoiled goods. But improving and controlling conditions such as temperature and humidity during transit can play a huge role in delivering longer-lasting produce to the consumer.

Our Farm-to-Fork connected solution now allows for remote monitoring of all physical parameters, such as temperature and humidity, to ensure that produce and meat remain fresh throughout the journey until it reaches the shelves of your local grocery.

Success Stories

- Improved visibility and tracking for a fresh produce major, resulting in $10 m - $16 million in savings
- Improved visibility and reduced spoilage; implementing in transit vehicle tracking for a leading food major

The Solution Canvas

- Machine to Machine connectivity to monitor temperature, humidity etc.
- Ability to track orders and shipments across the supply chain
- Proactive event notification and milestone tracking
- Knowledge of inventory at various locations
- Informed supply chain analytics
- Alerts, dashboards and reports rendered to visibility systems, mobiles or handhelds

End-to-end Solution

Farm-to-Fork is Tech Mahindra’s end-to-end supply chain visibility solution for fresh produce, meat and frozen foods, milk and dairy products, package foods, beverages and confectionaries. Our Farm-to-Fork service integrates the power of telematics, sensors, and various telecommunications technologies to provide a comprehensive solution where mission critical data is captured and sent to business analytics servers. Our process visibility technology includes partnership with leading GPS and wireless networks. Data is collected from the onset of the perishable products available in the farm and is monitored till the point it reaches the consumer. The monitoring is done during the entire multi modal transport basis - ship, trucks, rail, & airplanes. This solution even comprises of temperature monitoring and control parameters required for the particular category of products, route information and deviations if any, shipment wise measurement, transporter tracking, analytics, and also cold storage monitoring.

Differentiators

- 100% tracking mechanism throughout the journey
- Compliance with various food and environmental regulation
- Continuous real time monitoring
- Freshness and high quality of goods from source to destination
- Real time alerts on threshold violations
- Corrective actions on a predictive basis
- Improved inventory accuracy, streamlined order planning

Connect with us to know more: connect@techmahindra.com