

Regenerative ROI & Carbon-Neutral Snacking

FOOD & BEVERAGE INDUSTRY

Sustainability in the food and beverage sector is undergoing a fundamental shift—from carbon neutrality to nature-positive impact. Consumers, regulators, and investors now demand proof that products do not just minimize harm, but actively restore ecosystems, improve soil health, and sequester carbon. Forward-looking brands are moving upstream, investing directly in regenerative agriculture and embedding traceability into their sourcing models.

A leading F&B company recognized that sustainability would become a primary driver of brand value and purchasing behavior, particularly among Gen Z and emerging consumer segments. The opportunity: transform sustainability from a marketing narrative into a data-backed, monetizable growth strategy.



Verified Soil Health

Measured improvement across regenerative farming regions



Carbon Sequestration

Quantified and verified carbon capture at scale



Green Premium Pricing

Captured commercial value from sustainability leadership



Full Traceability

End-to-end visibility of regenerative sourcing practices

From carbon neutrality to measurable ecosystem restoration — sustainability as a growth engine, not a marketing claim.

The Strategic Challenge

Despite strong sustainability ambitions, the organization faced a critical gap: it could claim sustainability, but could not prove or quantify its real impact. Fragmented data, opaque upstream practices, and mounting ESG scrutiny created both operational and reputational risk. Without verified data, sustainability remained a narrative rather than a competitive advantage.

Visibility & Verification Gaps

- Limited visibility into upstream agricultural practices
- Difficulty verifying sustainability and regenerative claims
- Fragmented data across farms, suppliers, and sourcing regions

Risk & Monetization Barriers

- Exposure to ESG scrutiny and growing regulatory pressure
- Inability to monetize sustainability efforts effectively
- Sustainability positioned as cost center, not value driver

⚠ The organization could claim sustainability — but could not prove or quantify its real impact.



Transformation Powered by 3D&S + FortisIntel

Fortis & Peak deployed its proprietary 3D&S execution framework — Define, Design, Deliver, Sustain — powered by FortisIntel as the intelligence engine. Each phase systematically converted sustainability gaps into verified, scalable value across the agricultural supply chain.

1

DEFINE

Mapped sourcing regions, assessed carbon footprint, identified soil degradation and biodiversity risk using satellite analytics and FortisIntel.

2

DESIGN

Engineered a Regenerative Agriculture & Sourcing Model integrating carbon, soil health, and biodiversity metrics into sourcing decisions and product labeling.

3

DELIVER

Deployed regenerative sourcing programs, AI-based environmental analytics, real-time dashboards, and traceability systems linking raw materials to verified practices.

4

SUSTAIN

Continuous monitoring, optimization of sourcing strategies, alignment with evolving ESG standards, and capability building in regenerative analytics.

The result of each phase compounded: DEFINE delivered clear visibility into sustainability gaps; DESIGN transitioned ESG reporting into an ESG value creation system; DELIVER produced a verified, scalable, and transparent regenerative supply chain; and SUSTAIN established a self-reinforcing, data-driven sustainability ecosystem.

Core Platforms in Action

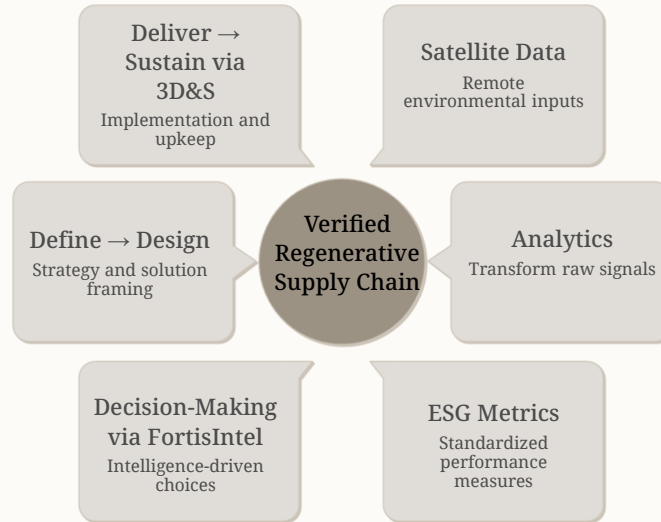
Two proprietary platforms form the backbone of this transformation, working in concert to convert raw environmental data into strategic business outcomes.

FortisIntel — ESG & Supply Chain Intelligence

FortisIntel maps environmental impact across the full value chain, enabling real-time tracking of carbon, soil health, and biodiversity metrics. It transforms sustainability data into actionable business insights — connecting satellite inputs, AI analytics, and ESG metrics directly to decision-making workflows.

3D&S — The Execution Framework

3D&S is the methodology that operationalizes FortisIntel's intelligence. It identifies ESG risks and regenerative opportunities, architects traceable sourcing systems, deploys monitoring and integration capabilities, and continuously optimizes both environmental and financial outcomes across the organization.



Together, FortisIntel and 3D&S replace the traditional model — where limited ESG visibility produced only marketing claims — with a regenerative model where verified data flows from farms through a traceable supply chain directly to the product and consumer.

Measurable Impact & Strategic Positioning

The transformation delivered verified, quantifiable outcomes across environmental, commercial, and operational dimensions — establishing a new benchmark for what sustainability leadership looks like in the food and beverage sector.



Environmental Verification

Verified carbon sequestration and soil health improvement across regenerative sourcing regions, with real-time biodiversity tracking.



Commercial Value Capture

Increased brand value, consumer trust, and the ability to command premium pricing for verified sustainable products.



ESG Risk Reduction

Reduced regulatory exposure and improved compliance posture, with strengthened resilience across agricultural supply chains.

The future of sustainability is not about reducing harm — it is about creating measurable, regenerative value that customers can trust and pay for.

This engagement positions Fortis & Peak as the creator of FortisIntel, owner of the 3D&S methodology, and a firm that transforms sustainability into a measurable growth engine — enabling nature-positive, data-driven business models for leading F&B organizations.

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