

CASE STUDY

Grower Pay Settlement System

Phased Implementation Roadmap & Delivery Approach

Mastronardi Produce · SOW 002 Build Phase

Objectives & Business Problem

OBJECTIVES

Modernize Grower Settlement Processing

Replace the legacy Microsoft Access/VBA system with a production-grade .NET 8 / Azure SQL platform delivering end-to-end settlement automation.

Deliver in Phased, Low-Risk Increments

Structure delivery across 4 phases (16 sprints, ~32 weeks) so each phase yields independently usable business value with no ERP disruption.

Establish Financial Integrity & Auditability

Enforce immutable audit trails, approval workflows, and reconciliation controls on every pricing calculation, settlement batch, and AP posting.

BUSINESS PROBLEM

- Legacy grower accounting built on Microsoft Access & VBA — fragile, non-scalable, undocumented.
- Multi-currency settlements (USD, CAD, MXN) processed manually, creating reconciliation risk and financial exposure.
- Tight point-to-point coupling to NAV 2018 — ERP changes routinely broke settlement processing.
- No approval workflow before AP postings — financial records committed without governance controls.
- Settlement calculations not auditable: no version history, no traceability from delivery data to payment.
- Three geographies (USA, Canada, Mexico) with inconsistent processes and no unified platform.

Our Solution & Value Delivered

OUR SOLUTION

4-Phase Agile Delivery (16 Sprints · ~32 Weeks)

Foundation → Pricing & Settlement → Financial Automation → Optimization & Analytics.
Each phase is independently valuable and gate-controlled via UAT sign-off.

Clean Architecture · DDD · CQRS · Event-Driven

Pricing, Contracts, Settlements, and Deliveries modelled as isolated domains. Write/read workloads separated via CQRS. Async NAV sync via Azure Service Bus — no partial failures.

End-to-End Settlement Automation

Grower onboarding, delivery recording, pricing engine (market, contract & exception rules), settlement batch processing, AP posting to NAV, and vendor email notifications.

Advanced Analytics & Regional Roll-Out

Pool forecasting, performance dashboards (by region/season), Anaplan variance reports, and full NAV Sales Data Sync for USA, Canada & Mexico in Phase 4.

.NET 8

Azure SQL

Azure SB

CQRS/DDD

NAV 2018

VALUE TO CLIENT

4 Phases

Progressive Capability Delivery

16 Sprints

~32 Weeks to Full Go-Live

3 Regions

USA · Canada · Mexico