

# PROJECT RECAP



## EXPLOSION

## ETHANOL & ETHANOL CO-PRODUCTS PLANT

**Inventory Analysis / Technical Clerking**

**Cost Savings: \$1.3M to \$6.3M**

### *Equipment Impacted:*

- Regenerative Thermal Oxidizer
- Conveyance Motors & Gearboxes
- MCC Equipment
- Equipment Servers & Controls
- HVAC System
- Air Compressors & Dryers
- Corn Oil Separation Equipment
- Lab Equipment
- Instrumentation
- Coriolis Meters
- Yeast cooling unit

### *Situation:*

A major explosion occurred at an ethanol plant severely damaging specialty ethanol co-products processing equipment. As a result, the client faced loss of revenue for its co-products.

### *Results:*

- Reduced Costs: \$6.2M restoration cost vs. \$7.5M to \$12.5M RCV initial loss estimate.
- Smart Asset Decisions: Strategic repair/restoration decisions expedited restoration timeline.
- Reinforced ILC's role as a trusted partner in high-stakes ethanol plant losses.

### *Value-Driven Solutions:*

**Evaluated Restoration Scope:** Assessed numerous pieces of specialized, custom machinery and equipment for restoration viability.

**Repair vs. Replace Strategy:** Collaborated with contractors to develop a clear and effective plan for repair versus replacement.

**Scope Matrix Development:** Worked with client to create a scope matrix document that became the standard for future ethanol plant restorations.

**Costing Oversight:** Conducted thorough and ongoing restoration cost reviews throughout the duration of the loss.



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