



# InsightQuantix

STRATEGIC ANALYTICS • QUANTITATIVE EXCELLENCE • PREMIUM INSIGHTS

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Not provided

## INSTITUTIONAL INVESTMENT ANALYSIS

### Strategic Due Diligence & Portfolio Assessment

Target Investment: SAF from lignocellulosic sugars via DMR pretreatment

### Investment Thesis & Overview

Investment Parameter	Value	Market Benchmark	Performance Assessment
Total Capital Requirement	\$768,882,400	Project-specific	Initial investment outlay
Annual Revenue Projection	\$332,393,000	Market-dependent	Primary income generation
Annual Profit Generation	\$164,984,050	>\$0 target	Excellent
Return on Investment	21.5%	15-25% target	Strong
Capital Recovery Timeline	6.2 years	3-5 years benchmark	Extended
Project Economic Life	20 years	15-25 years typical	Standard lifecycle
Geographic Location	IA	Various markets	Regional market consideration

## Revenue Stream Portfolio Analysis

Product/Service Line	Unit Price	Annual Volume	Revenue Contribution	Portfolio %
Sustainable Aviation Fuel (SAF)	\$6.69	37,800,000	\$252,882,000	76.1%
Diesel (bio-derived)	\$5.55	5,400,000	\$29,970,000	9.0%
Naphtha (bio-derived)	\$4.63	10,700,000	\$49,541,000	14.9%

## Investment Decision Matrix

### Investment Decision: **CONDITIONAL BUY - Requires Strategic Optimization**

Quantitative Score: 4/10 (40%)

#### Key Investment Highlights:

- **Financial Returns:** 21.5% annual ROI with 0.0% profit margins
- **Capital Efficiency:** 6.2 years payback period for \$768,882,400 investment
- **Value Creation:** \$1,683,153,338 net present value over 20-year lifecycle
- **Market Position:** 3 revenue stream(s) in IA
- **Risk Profile:** Diversified operational structure with established market demand

**Total Capital Requirement:** \$768,882,400 for institutional-grade opportunity

# Capital Expenditure Analysis

No equipment data available.

## Operating Expenditure Analysis

Cost Category	Annual Cost	% of OPEX	Cost Driver
Feedstock & Raw Materials	\$98,129,340	58.6%	Volume-dependent
Utilities & Energy	\$1,500,000	0.9%	Process-dependent
Labor & Personnel	\$12,474,589	7.5%	Fixed staffing

## Financial Projections & Metrics

Financial Metric	Value	Industry Benchmark	Assessment
Net Present Value (NPV)	\$1,683,153,338	> 0 required	Excellent
Internal Rate of Return (IRR)	1511.7%	12-20% typical	Excellent
Profit Margin	0.0%	20-35% target	Moderate

### Analysis Credentials

This report was prepared by **InsightQuantix** under the direction of Dr. Jamie Gomez, Ph.D., using industry-standard techno-economic analysis methodologies.

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