



**ISCO DSM**  
PECTIN GROUP SRL

**Transforming Agricultural Resources  
into High-Value Bio-Ingredients**

**The Global Leader in Automated Biorefinery Technologies**

S.C. ISCO DSM PECTIN GROUP S.R.L. | European Headquarters



# A Vision for Global Resilience

To enable every region with agricultural resources to achieve food security, industrial independence, and sustainable economic growth through advanced biorefinery technology.

Anatolie Fedorovich Vitushinsky,  
International President



**Food Security** | Building sustainable, localized supply chains.



**Industrial Independence** | Capturing local value addition.

# Proven on a Global Scale

**50+**

Countries of  
Operation  
Worldwide

**4**

Continents with  
Active Industrial  
Facilities

**25+**

Years of Unbroken  
Engineering  
Expertise

**100%**

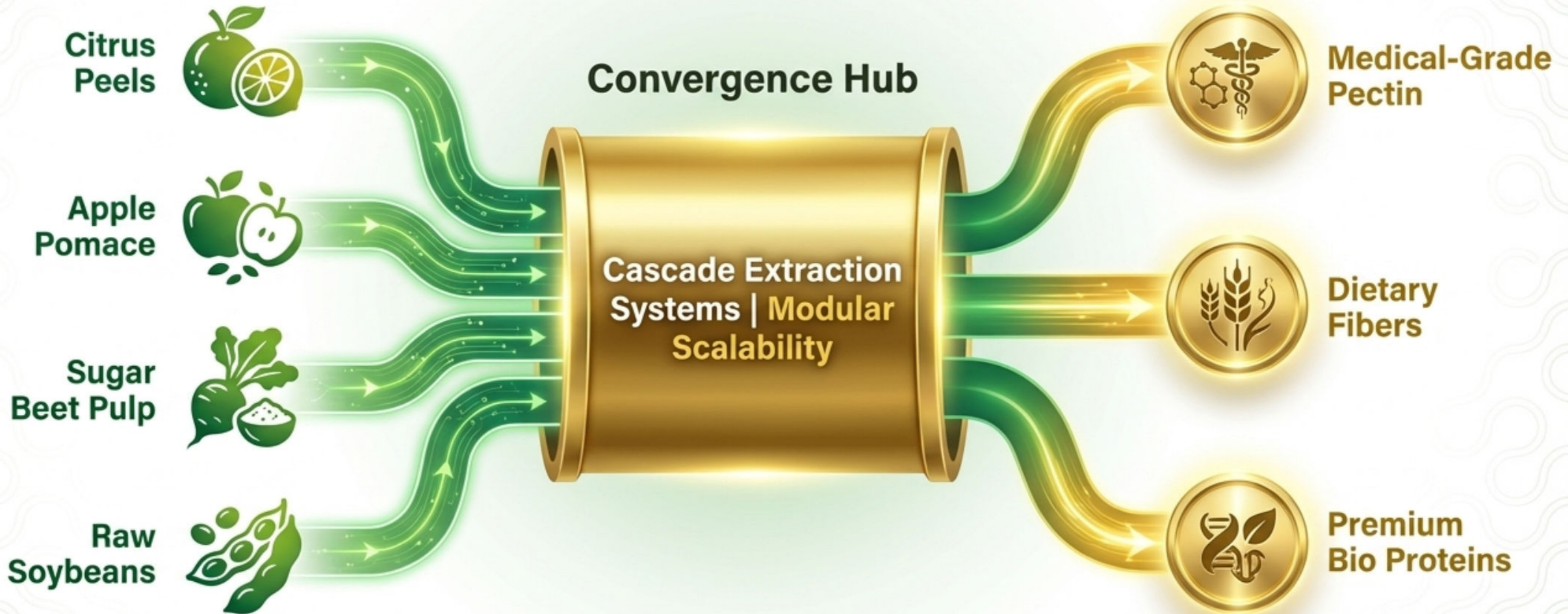
Successful Project  
Launch Rate  
(All facilities reaching  
design capacity)



**Ilfov County, Romania**  
(European Innovation Hub)

# Multi-Feedstock, High-Value Valorization

Complete extraction of hidden wealth from regional agricultural yields.



# The Science of Purity: Patented Cavitation Technology

## Traditional Extraction



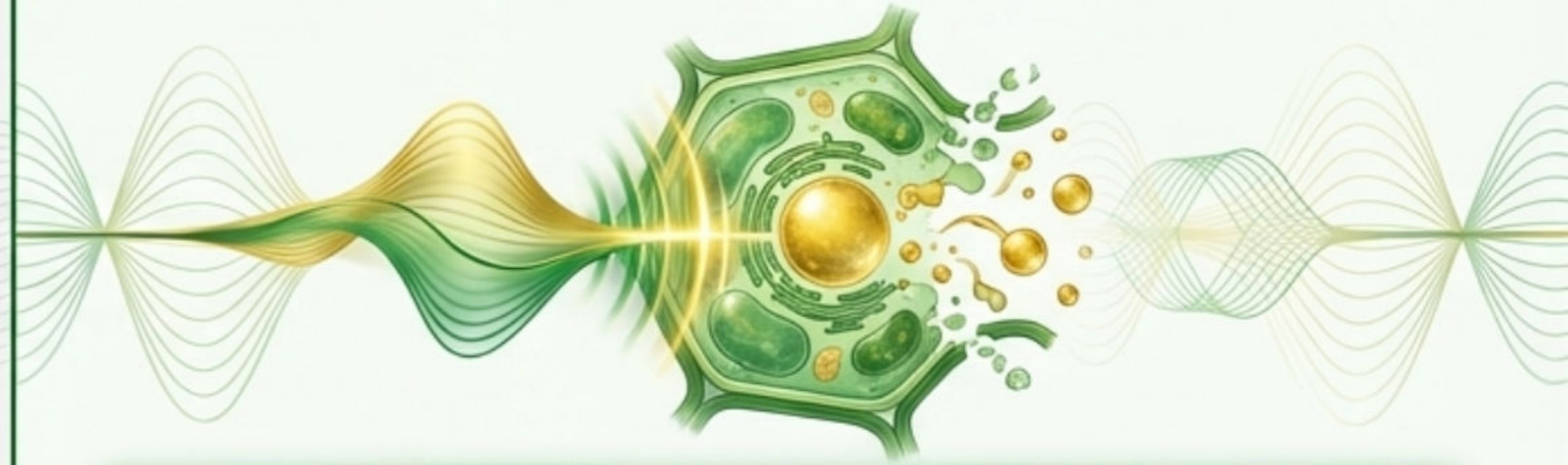
Relies on **mineral acids, alcohols,**  
and **ammonia.**

**Destroys biological activity.**

Creates **toxic chemical waste.**

High **environmental footprint.**

## ISCO Cavitation



**100% Chemical-Free:**  
**Zero** aggressive acids or solvents used.

**Gentle Processing:**  
Fully preserves the **biological** and **nutritional**  
**integrity** of the target molecules.

**Ultimate Purity:**  
Reaches up to **99.9% purification**, exceeding  
global pharmaceutical (GMP) standards.

# Closed-Loop Engineering: The Zero-Waste Standard

**1. Raw Material Intake**  
(Zero Waste Certified)



**2. Cavitation Extraction**  
(No Chemical Emissions)



**100%**  
**Feedstock**  
**Utilization**



**4. Integrated Energy Recovery**  
(Byproducts converted to biogas/heat)



**3. Cascade Valorization**  
(Pectin & Fibers separated)

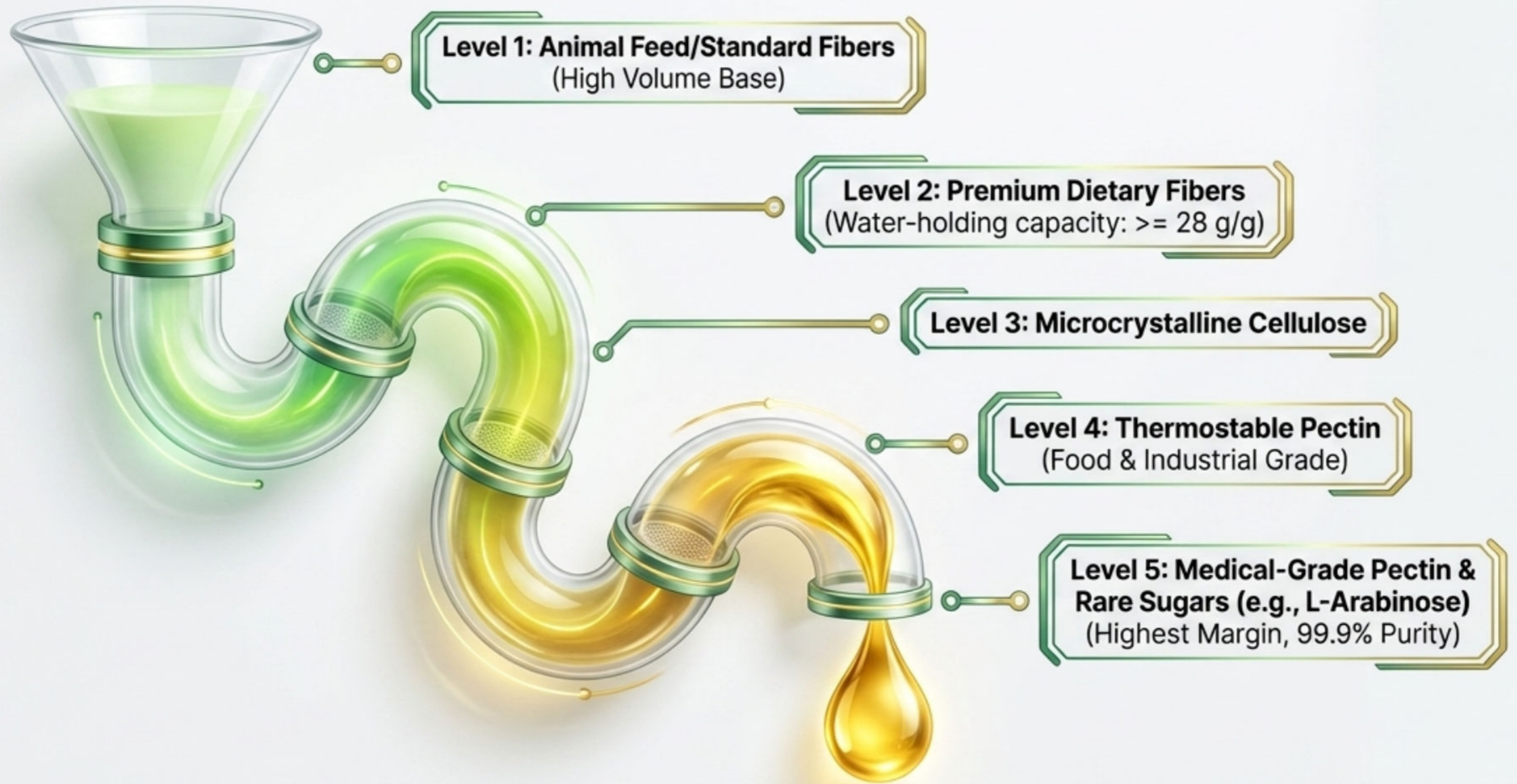
**95%**

**Production Efficiency**  
(vs. 78% Industry Avg)

**40%**

**Energy Reduction**  
(vs. conventional)

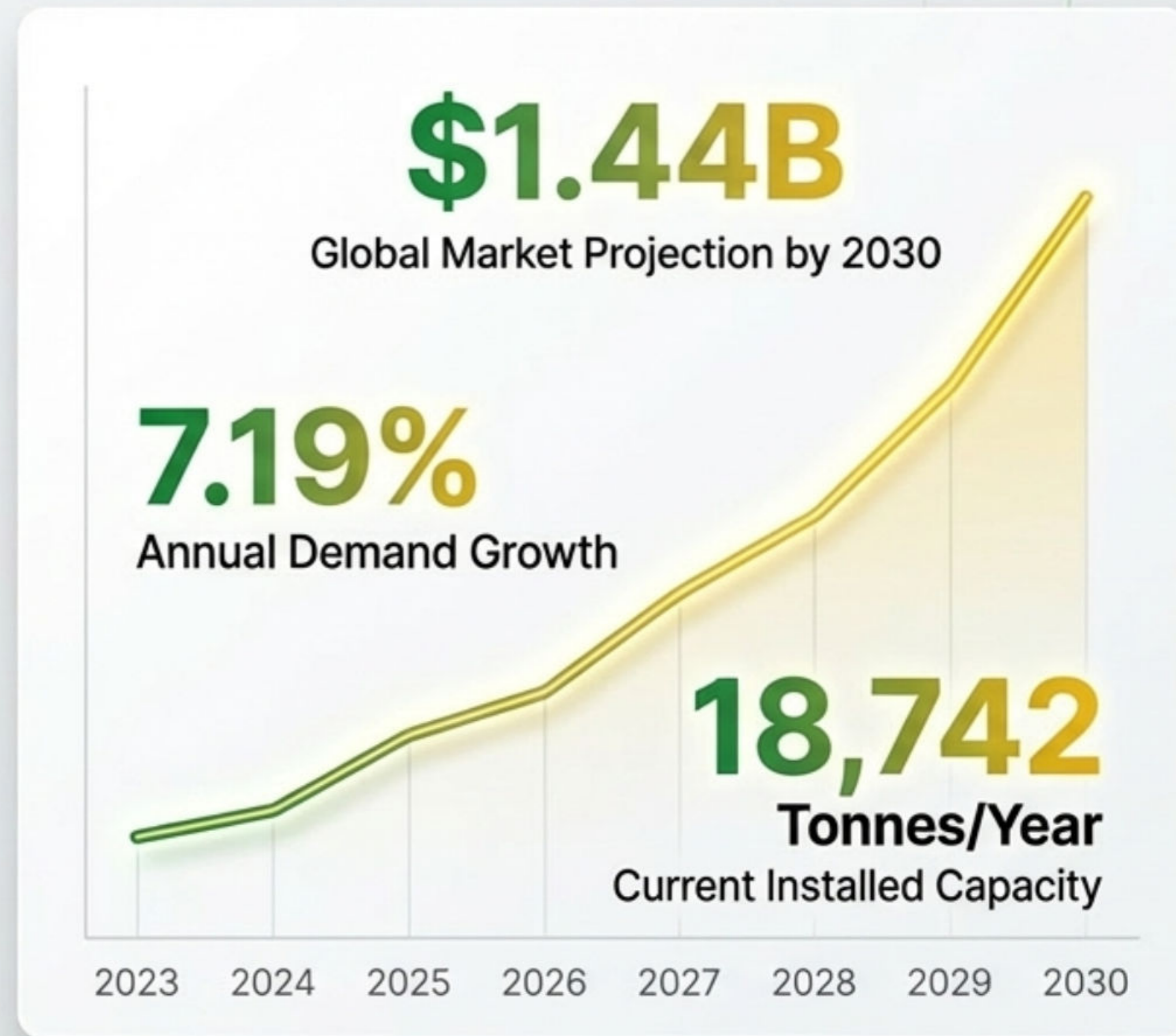
# The Value Cascade: From Attrition to Assets



**Every gram of raw material is monetized.**

# Portfolio Pillar 1: Thermostable Pectin Excellence

Engineering superior gelling properties for global industries.



# Portfolio Pillar 2: The Green Bioeconomy Protein Hub

Expanding proprietary biorefinery engineering into the \$15B+ plant protein market.



The first facility of its kind in Europe, featuring a staggering 200,000 tons/year capacity.



**Vegetable Proteins** | Deep soy processing yielding premium Soy Isolate.

**Circular Bioeconomy** | Integrated resource maximization.

**Aquaculture Feed** | High-protein, sustainable alternatives for fish farming.

# Trusted by Industry Titans

Over 25 strategic alliances across 5 continents.

## **CARGILL Inc. (Brazil)**



Delivered the largest pectin production facility in South America (6,000 tons/year).

## **CHS Inc. (USA)**



Delivered a Solbar Soy Isolate facility immediately acquired for a \$133 Million valuation.

## **British Sugar plc (UK)**



Engineered secondary processing for wet beet pulp to extract premium dietary fibers.

## **Siberian Wellness (Uzbekistan)**



Constructing the world's first hybrid green facility combining pectin and inulin processing.

# The Socioeconomic Multiplier



# Tailored Avenues for Global Collaboration



## Joint Ventures (JV)

50/50 Equity.  
Shared governance.  
15-25 year commitment for deep, long-term market integration.



## Turnkey Development (EPC)

End-to-end Fixed-Price facility delivery. Design, construction, training, and operational handover.



## Technology Licensing

Transfer of ISCO's proprietary cavitation IP, patents, and process methodology to established processors.



## Strategic Alliances

Supply agreements, guaranteed offtake, and leveraging ISCO's 50+ country distribution network.

# The Execution Roadmap: 36 Months to Full Revenue

**Phase 1 (Months 1-6):**  
Detailed Engineering,  
Financial Modeling, and  
EPC Signature.

**Phase 3 (Months 25-30):**  
Commissioning,  
Comprehensive Staff Training,  
and GMP Certification.

**Phase 2 (Months 7-24):**  
Facility Construction,  
Equipment Manufacturing  
(DAP terms), and Installation.

**Phase 4 (Months 31-36):**  
Transition to Full Design  
Capacity and Initial  
Revenue Generation.

**Unlocking a typical 25-40% ROI within 3-5 years.**

# Connect With Our Development Team

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**Scan to access detailed financial  
models, technological specifications,  
and partnership frameworks.**



**Let's Build the Future of  
Food Security Together.**

**ISCO DSM PECTIN GROUP SRL**

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