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## Take your operation further, faster.

We combine unmatched expertise with a holistic, value-driven process to help you:

### Operate with confidence.

We apply deep experience and expertise in separation processes to identify solutions tailored to your operation and your needs.

### Optimize your operation.

We focus where we can make the greatest impact, using a consistent, systematic approach to identify and quantify opportunities that improve your process economics.

### Redefine membrane separation.

As an agile organization, we can quickly and creatively respond to your changing needs, helping you challenge the status quo.

**THAT'S THE SOLECTA ADVANTAGE.**

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Bring us your biggest challenge. Whether it's trying to optimize performance, maximize productivity, improve yield or minimize waste, you'll find your process separation solution with Solecta.



Let's talk about how we can help you achieve your goals.  
Learn more at **solecta.com** or call **+1-760-630-9643**.

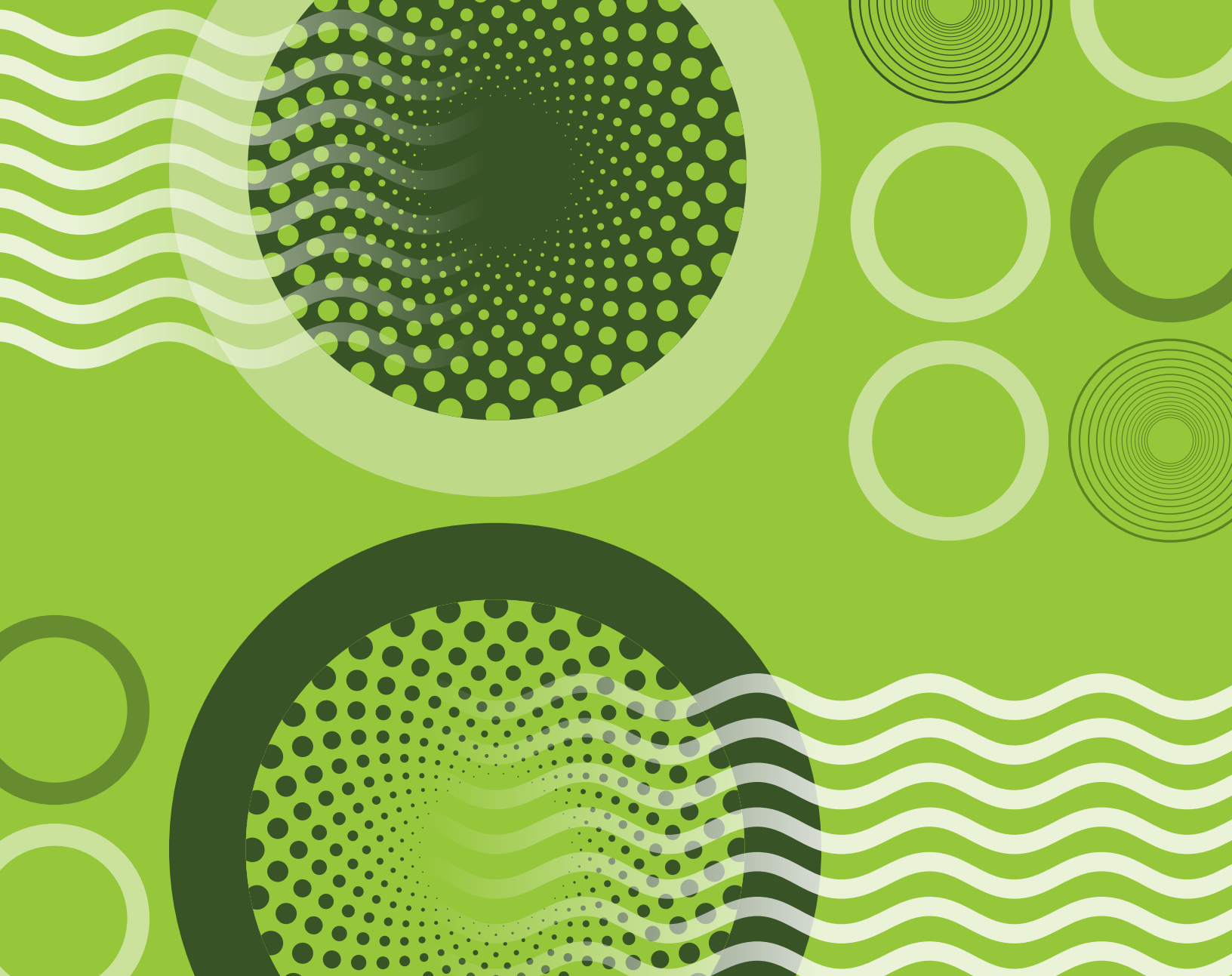
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# Maximizing value in industrial separations.

Innovative membrane solutions matched to  
your key business drivers for optimal return.  
That's the Solecta advantage.

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# Let Solecta help you achieve the results

## The Solecta Difference.

At Solecta, we combine our deep understanding of clients and high-value separation processes to develop membrane solutions that deliver proven value based on what matters most to you.

### THREE ASPECTS OF OUR CULTURE:

#### Client success

Focused on bringing the expertise and experience to address what matters to you

#### Bottom-line focus

Focused on process economics and where we can drive the biggest impact for you

#### Entrepreneurial partner

Focused on being nimble, responsive and creative to support your evolving needs

Whether you're aiming to optimize performance, maximize profitability, improve yield or minimize waste, you define the challenge and our team of world-class experts will share their industry-leading knowledge with you to collectively engineer innovative separation solutions that help you achieve your goals.

## OUR PROVEN APPROACH FOR CREATING VALUE.

Solecta goes beyond just selling membranes technologies. We apply a robust, consultative approach to systematically uncover opportunities that deliver results.

### 1. PLAN & PREDICT

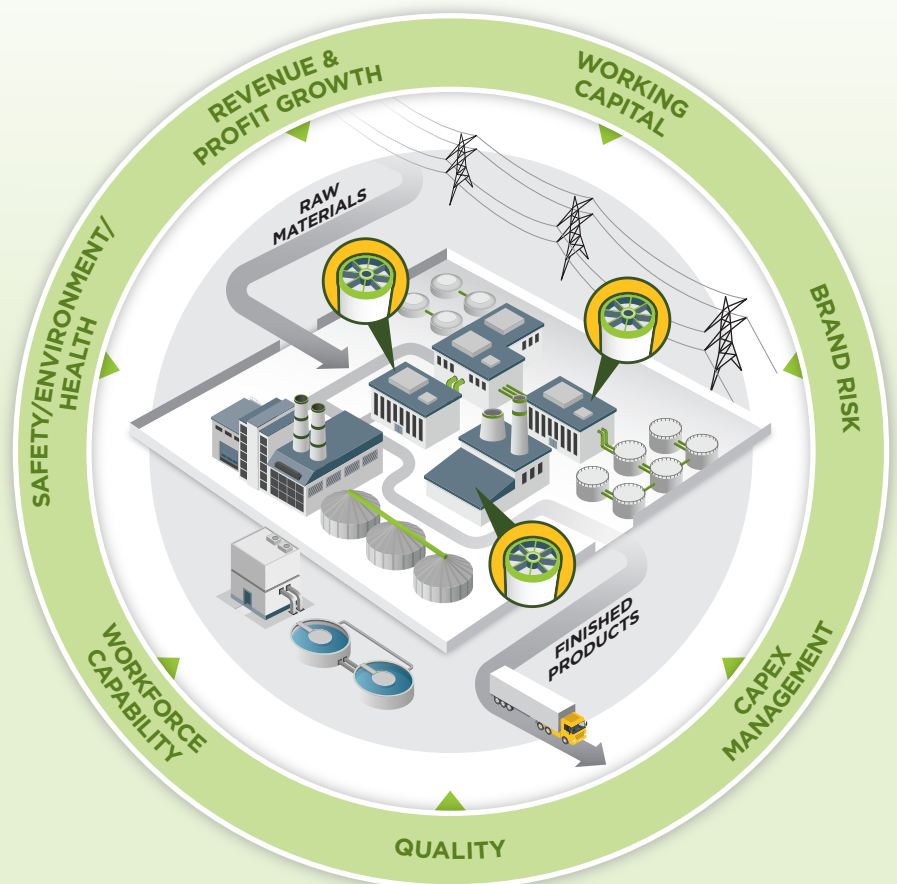
- Baseline plant performance
- Client needs assessment
- Define and develop scorecard to align around client objectives

### 2. PERFORM

- Measure and track progress against key performance indicators (KPIs)
- Implement value projects
- Performance audit and recommendations

### 3. PROVE

- Review performance assessment and identify areas for continuous improvement
- Value confirmation and review
- Measure client experience



# that deliver the greatest impact.

## Delivering the results that matter ... people, planet, profit.

We have deep and broad experience in all the industries we serve and understand the challenges you face. We help top-tier companies in major industrial sectors around the world capture untapped value for their operation. Let us help you.

### DAIRY



#### Operational improvements yield >\$1MM benefit.

**THE CHALLENGE:** A dairy processor was struggling with low yield and variability of whey protein isolate causing operational issues and poor process economics.

**THE SOLUTION:** Comprehensive audit resulted in process changes, online measurements, adjusted cleaning protocol and new microfiltration (MF) solution across enterprise.

#### THE RESULT:



Increased protein transmission by **25%**



Increased production uptime by **20%**



Reduced CIP water usage by **20%** (5.5MM gal/year)

### FOOD INGREDIENTS



#### Applications expertise and innovation generate total cost of operation reduction.

**THE CHALLENGE:** A leading food ingredient company needed to optimize their dextrose clarification system to maintain their competitive advantage.

**THE SOLUTION:** Working collectively with the client, Solecta deployed applications expertise along with novel membrane chemistry that exceeded technical expectations and reduced the overall total cost of operation.

#### THE RESULT:



Increased throughput by **14%** without any capex or footprint expansion



Reduced energy use by **14%**



Decreased total cost of operation by **12%**

### ELECTROCOATING



#### Optimized membrane footprint boosts production capacity by 50%.

**THE CHALLENGE:** A leading provider of electrocoat finishing services was growing at 20% per year and needed to rapidly expand capacity to meet market demand.

**THE SOLUTION:** Solecta recommended a unique “Unidesign” solution allowing the client to eliminate a bottleneck and expand throughput without having to invest in additional treatment systems.

#### THE RESULT:



Improved throughput by more than **50%**



Increased rinse water production by **69%**



Increased uptime and labor savings **>75%** due to faster change-out