



# a global initiative

*IMPROVING THE LIVES OF ANIMALS WORLDWIDE*



## ABOUT APC, INC.

**OUR MISSION IS TO HELP ANIMALS THRIVE.** The foundation of APC, Inc. (APC) began over 30 years ago when scientists identified the powerful role functional proteins play in helping support and maintain normal immune function in piglets. Inspired by this discovery, we were first to initiate research on the benefits of plasma-derived functional proteins for animal health and nutrition.

From our humble beginnings, APC has grown into the world's largest producer of functional proteins. Today we offer a range of innovative products under two distinct divisions — **APC Ingredients** and **APC Consumer Products**.

# Ingredients

## SPECIES APPLICATIONS



Lactation & Gestation Diets



Young Animal Diets



Stress Conditions

## APC INGREDIENTS

**WE ARE THE GLOBAL LEADER** in spray-dried functional proteins. APC Ingredients serves the needs of commercial livestock producers, feed manufacturers, pet food companies and industrial customers by providing high-value raw materials as ingredients.

### UNDERSTANDING OUR INGREDIENTS

**FUNCTIONAL PROTEINS** are unique components found in bovine and porcine blood. These proteins are blended into finished feeds and feed products tailored for various animal applications.

**RED BLOOD CELLS** are primarily used as a high-quality nutritional ingredient in a number of animal applications, but also have value as a specialty ingredient in several industrial applications, including fertilizers, adhesives and building materials.

### INGREDIENTS FOR



poultry



pet food



swine



aquaculture



dairy

## DID YOU KNOW?

**95% of pig starter diets in the U.S. contain plasma.**

## ABOUT APC, INC.

# Consumer Products



## SPECIES APPLICATIONS



Newborn Support



Early Life Nutrition



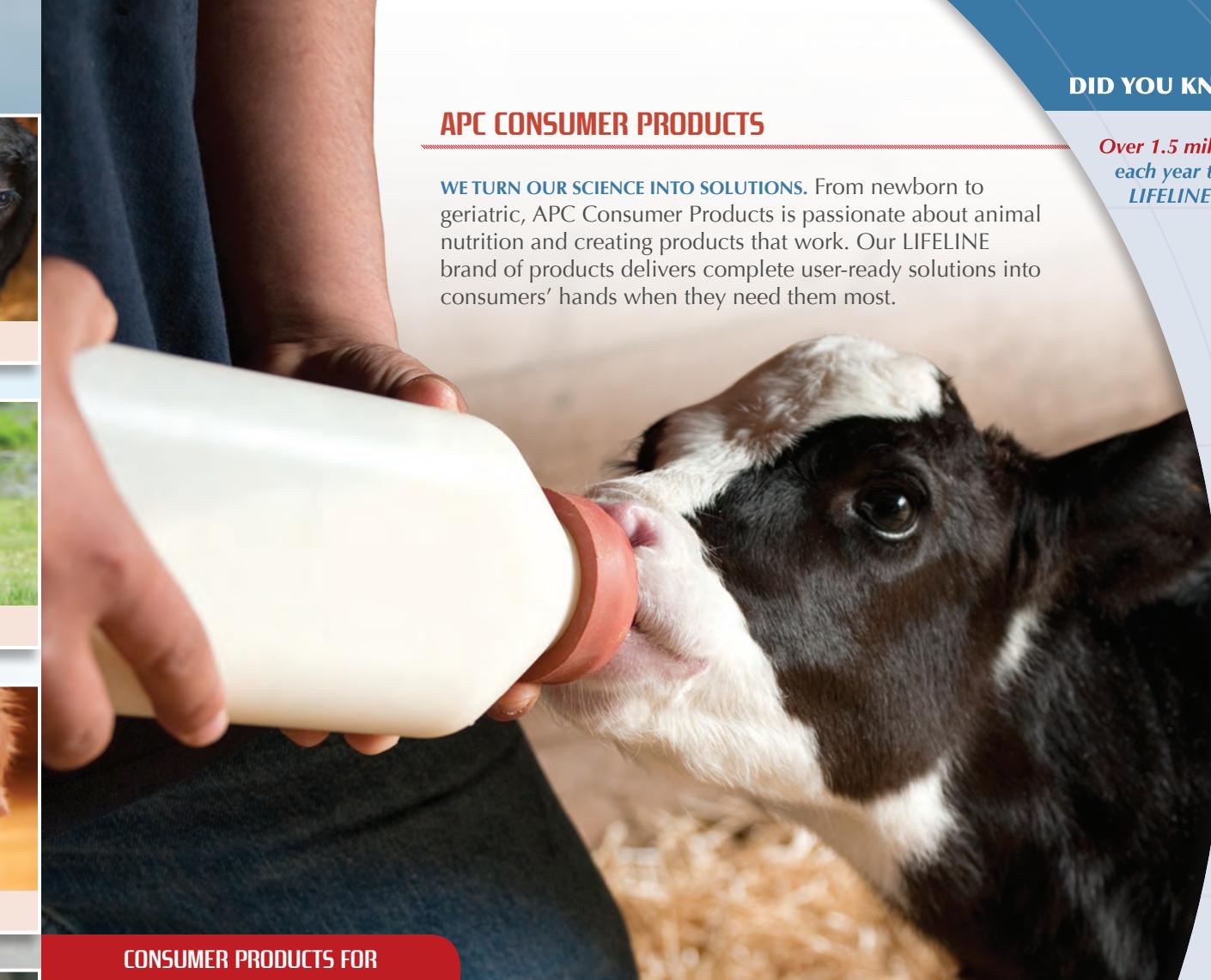
Geriatric Diets



Stress Conditions

## APC CONSUMER PRODUCTS

**WE TURN OUR SCIENCE INTO SOLUTIONS.** From newborn to geriatric, APC Consumer Products is passionate about animal nutrition and creating products that work. Our LIFELINE brand of products delivers complete user-ready solutions into consumers' hands when they need them most.



## CONSUMER PRODUCTS FOR



dairy & beef calves



companion animals: dog, cat & equine



## DID YOU KNOW?

Over 1.5 million calves each year thrive on LIFELINE products.

## ESSENCE OF QUALITY

**APC IS COMMITTED TO RESEARCH.** Our continued path to success depends on our understanding of how to best optimize the health of animals through better nutrition. So we're always building on our body of knowledge and sharing what we know with industry leaders, influencers and academics.

Our subject-matter experts have authored hundreds of peer-reviewed articles published in internationally-recognized scientific journals. APC also continues to sponsor university and commercial research to advance the understanding of functional proteins and their positive impact on animals.



BLENDING



## CONSISTENCY BEGINS WITH QUALITY CONTROL

**APC TAKES QUALITY SERIOUSLY.** Our commitment to quality control is evidenced by the rigorous standards we've implemented throughout our production process, from collection and processing to distribution.

- ▶ Closed-system process
- ▶ Collection and processing only in government-inspected facilities
- ▶ Dedicated, trained Quality Assurance and Regulatory teams
- ▶ Systematic monitoring and evaluation processes to ensure standards of quality are achieved

## DID YOU KNOW?

*The technology used by APC to separate plasma fractions is similar to technology used for milk processing in the dairy industry and plasma separation in human blood banks.*

## MARKS OF QUALITY



**LIFELINE®**  
**WATCH THEM THRIVE™** | Parent brand for products in the APC Consumer Products division



**PROTEIVA™**  
Service mark for functional proteins in the APC Ingredients division



## ABOUT THE LAURIDSEN GROUP, INC.



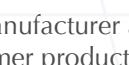
APC WAS CREATED IN 1981 by The Lauridsen Group, Inc. (LGI) — a privately-held company founded in 1975. From early roots as a family-run creamery in the heart of Iowa — where butter, eggs and poultry were sold to surrounding communities — to its current standing as a global leader in protein fractionation, LGI has an industry reputation for being innovative and forward thinking.

LGI operates more than 40 production facilities and employs over 1,700 people across the globe. With a strong commitment to its people and products, LGI consists of eight independent operating companies, each with a specific purpose.

### PAST AND PRESENT

THE LAURIDSEN CREAMERY,  
erected in 1942

## THE LAURIDSEN FAMILY OF COMPANIES



### APC, INC.

A leading manufacturer and marketer of feed ingredients and user-ready consumer products designed to optimize animal nutrition.

*Established in 1981*



### BHJ

An international supplier of meat ingredients and meat by-products for the food, pet food, feed and pharmaceutical industries.

*Headquartered in Denmark, acquired in 2004*



### BOYER VALLEY COMPANY

LGI's first company, created to serve as a manufacturer and marketer of processed poultry by-products. *Established in 1975*



### ENTERIA HEALTH, INC.

LGI's newest company, created to focus on improving worldwide health through research and development of clinically safe biotherapeutics that address unmet needs. *Established in 2012*



### PROLIANT BIOLOGICALS

An industry leader in high-purity plasma fractions for the diagnostic, life science research, biopharmaceutical and veterinary vaccine industries. *Established in 2003*



### PROLIANT DAIRY INGREDIENTS

A specialized supplier of deproteinized whey to global snack food markets, including bakery, beverage, confectionery, dairy and prepared foods.

*Established in 1991*



### PROLIANT HEALTH

A leading-edge health sciences company improving human health through the discovery, development and application of functional nutritional proteins. *Established in 1998*



### PROLIANT MEAT INGREDIENTS

A valuable supplier of meat stocks, broths and flavors to leading food developers worldwide. *Established in 1984*

## DID YOU KNOW?

APC has been granted 20 patents in the U.S. and Europe related to collecting, processing and feeding blood and plasma proteins.

## THE LAB

LGI'S FOCUS ON THE FUTURE can be seen in the company's latest investment. The LGI Advancement Building — otherwise known as "The Lab" — is a state-of-the-art R&D facility in Ankeny, Iowa. Here, LGI companies incubate new ideas, develop protein-based technologies and create innovative products.



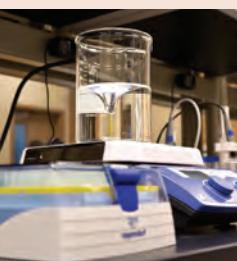
### LABORATORY USES FOR



collaborating



discovering



innovating



creating

# APC, INC. LOCATIONS ACROSS THE GLOBE

## DID YOU KNOW?

The introduction of plasma in swine diets was ranked #6 on the American Society of Animal Science's list of "Top 10 Discoveries in the Past 100 Years in Swine Nutrition" at their 2008 conference.



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