

# CONTRIBUTING TO A SUSTAINABLE WORLD

It's important to maximize the value of all our resources, including by-products like blood. APC collects blood that would otherwise have little to no value and turns it into nutrient-rich red cells and plasma. The red cells become a highly digestible protein used in a wide variety of animal foods and plant health products, while plasma is specially processed to retain biologically active functional proteins that help promote health and well-being.

## OUR SUSTAINABILITY FOCUS

ZERO ANIMAL WASTE



**40%**

OF ANIMAL FOOD INGREDIENTS

COME FROM BYPRODUCT

ENERGY EFFICIENCY



**5,000,000**

KILOWATT HOURS ENERGY GENERATED ANNUALLY

SOLAR INSTALLATIONS & HEAT RECOVERY

REDUCING WATER USE



**190,000,000**

LITERS OF WATER RECYCLED ANNUALLY

THROUGH CLEAN WATER TANKS & IRRIGATION

ANIMALS THRIVE



**8,000,000**

ANIMALS POSITIVELY IMPACTED DAILY

THROUGH IMPROVED NUTRITION & HEALTH BENEFITS

APC is one of six independent companies owned by The Lauridsen Group, a privately-held company located in Ankeny, Iowa USA. Learn more at [www.lauridsengroupinc.com](http://www.lauridsengroupinc.com)

### Member of:

American Feed Industry Association  
North American Renderers Association  
North American Spray Dried Blood and Plasma Producers  
European Animal Protein Association  
European Fat Processors and Renderers Association  
Pet Food Institute

### Participant of:

Ecovadis  
Supplier LoCT



APCproteins.com  
APCpet.com  
APCagro.com

WATCH THEM *thrive*



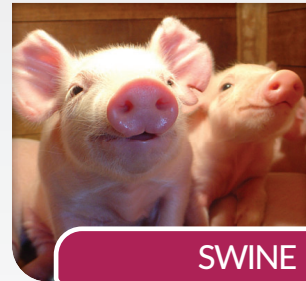
GLOBAL LEADER: FUNCTIONAL PROTEINS FOR ANIMAL & PLANT HEALTH

COMPANION | SWINE | RUMINANT | AQUA | POULTRY | PLANT HEALTH



COMPANION

*Superior formula functionality for manufacturers combined with whole body health benefits.*  
Wet • Dry • Treats • Supplements



SWINE

*Where it all began - positively impacting immune health since 1981.*  
Nursery • Sows • Finishing Pigs • Boars



RUMINANT

*Highly digestible proteins for early milk diets through lactation that prove their worth in gains.*  
Pre-weaned Calves • Dairy Rations



AQUA

*Highly digestible proteins for sustainable aquaculture.*  
Fin Fish • Shrimp



POULTRY

*Enhancing immune efficiency and gut development right from the start.*  
Broilers • Layers • Breeders • Turkeys



PLANT HEALTH

*Unique, hydrolyzed fractions to promote increased uptake of nutrients in all crops.*  
Higher yields, better quality



“ I am incredibly proud of the collaborative approach the APC team takes with our customers to solve problems and create new opportunities together. Through our commitment to quality, innovation and sustainable manufacturing, we’re able to offer products that truly work for our customers and make a lasting difference in the world. ”

Jerry Frankl, President & CEO

Our story began in 1981 when APC scientists discovered the powerful role plasma derived functional proteins play in helping support and maintain normal immune function in animals. The APC team continues to innovate, developing new processing methods and expanding the use of blood derived proteins. Today, APC’s ingredients are used globally in animal foods, plant health products and for industrial applications.

## PLASMA MANUFACTURING

Manufacturing safe and effective products is our number one priority. That’s why as the global leader, we utilize multiple hurdle technologies, validate our processes and invest in scientific trials with leading research institutes. Our manufacturing process mirrors the World Health Organization guidelines to produce human transfusable blood products.



MANUFACTURING FACILITY HEADQUARTERS/SALES OFFICE

## ABOUT APC

APC is the world’s largest manufacturer of spray dried plasma and red cells, employing 500+ people. To serve our customers, we operate manufacturing plants in Argentina, Brazil, Canada, England, Northern Ireland, Poland, Spain and the United States.

APC is a family-owned business, with over 40 years of experience in providing consistent, quality products no matter where you are in the world.

<b>17</b> MANUFACTURING FACILITIES	<b>8</b> COUNTRIES WITH MANUFACTURING FACILITIES	<b>58</b> COUNTRIES SERVED BY APC
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## RESEARCH & DEVELOPMENT

APC’s investment in research and development is critical to driving future growth of the company. The company’s development efforts are directed to expanding use of plasma and red cells in current markets as well exploring new uses for these ingredients. The R&D and technical services teams are involved in collaboration efforts with universities and commercial researchers around the world to advance the use and understanding of functional proteins.

<b>20+</b> PATENTS	<b>600+</b> PUBLISHED JOURNAL ARTICLES	<b>50+</b> TRIALS CONDUCTED ANNUALLY
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### R&D LABS

Pilot Plants and Centers for Customer Collaboration



Ankeny, Iowa, USA



Granollers, Spain

*Our mission* is to help animals - and plants - thrive through the use of innovative functional proteins that positively impact their health.