



## **Polar Genetics (2012) Inc. o/a Polar Genetics Group**

Polar Genetics Group is organized as the parent Company Polar Genetics (2012) Inc. and its cooperating Associates. Polar Genetics and Polar Genetics Group have been operating in China and India for more than six years.

Polar Genetics (2012) Inc. is primarily a genetically-improved swine genetics trading company, working in the Asia market, including India. Export of live pigs and frozen boar semen make up the products readily available for international sales. There are other livestock and agricultural products that can be managed for international sales.

**Alfred Wahl, P.Ag.** and **Penny Jones, Dipl Arts Admin.** are principals in the Company.

In conjunction with our Associates, we provide technologies in pig production and breeding stock marketing.

- Alberta Swine Genetics Corporation (**ASGC**)/Ontario Swine Improvement (**OSI**)/Centre d'Insemination du Porc du Quebec (**CIPQ**) – fresh and frozen boar semen from pedigreed boars and AI boar stud management
- Alberta Animal Genetics Consulting Group Ltd (**AAGCG**) – production management consulting, computer software installations
- Canadian Centre for Swine Improvement (**CCSI**) – eFarm and genetic evaluation database; genomics research
- Canadian Swine Breeders Association (**CSBA**)/Canadian Livestock Records Corporation (**CLRC**) – providing credibility for pedigrees for purebred breeding pigs
- Alberta Agriculture and Rural Development (**AARD**) and Alberta Livestock and Meat Agency (**ALMA**) – Provincial government services for export development support
- Agriculture and AgrFood Canada (**AAFC**) and Canadian Food Inspection Agency (**CFIA**) – Federal government services for export development and market access support
- Participating purebred breeders with high health status and genetic evaluations in Alberta (**AB**), Ontario (**ON**), Quebec (**QU**) and Prince Edward Island (**PE**)
- Sikandar Singh – International consultant
- Dr. Ron Ball – Professor Emeritus, University of Alberta
- Dr. Frank Marshall – Veterinary Consultant and University Professor at the Alberta College of Veterinary Medicine

## Side 2

In addition to swine genetics sales, there are services that our Associates can provide to benefit the profitability of international breeders and marketers:

- Intensive and direct management training for pig farm managers and section managers
- Computer software use for data entry and valuable management report retrieval
- Artificial insemination (AI) training for breeding section managers
- Ultrasonic scanning training for backfat and loin measurements, pregnancy diagnosis and sow backfat measurements for assessing breedability
- Extension presentations to breeding farms and customer groups on feeding and nutrition, veterinary diagnostics and building planning
- High quality equipment and supplies for developing modern breeding farms and AI boar studs
- Project development for pig farms and AI boar studs
- Sourcing and evaluation of improved genetics based on Estimated Breeding Values (EBVs) for AI use and herd improvement
- Breeding Program development and planned matings
- Cooperation on genomic research projects
- Quality Assurance Programs for food safety
- Pedigree registration of purebred pigs
- Joint Venture investments in Canada

Our international Associates and customers include:

### In China

- Henan Zhengbang Pig Farming Company – 736 live pig importation 2012
- Chongqing Longsheng Agriculture Company – 613 live pig importation 2008, 192 doses frozen semen in 2011
- Wen's Foodstuffs Group – 300 live pig importation 2006
- ShuXin Pig Farming Company – 162 doses frozen semen 2012
- Beijing XiongTe Animal Husbandry Company – live pig imports
- China Animal Husbandry Group – frozen semen imports

### In India

- Indo-Canadian Swine Breeders – 140 doses frozen semen 2011
- The French Farm – 130 doses frozen semen 2012
- Dr. H.K. Verma – Guru Angad Dev Veterinary and Animals Science University
- Sikandar Singh – International Consultant
- Hemant Mozumdar – India Consultant