

Research in **AI management** and **reproduction**

Good management with the right genetics enables 95% non-return rate and 30+ piglets per sow per year. AI has to make this possible for every single farm or client that is at the top and eager to gain the maximum genetic potential.



Jan Sallevelt | Director International AI and Business Development

For AI it is a top challenge to make sure that each single dose meets the highest quality standards. Boars are strictly monitored to ensure the absence of any failure in condition, health and semen producing capacity.

Semen can never be the limiting factor. Producing a million or more doses with a maximum single capacity, is about performing in all aspects. Water quality, bacteria control, health status, semen assessment and temperature management are all critically important. AI is a business with small margins and high risks.

AIM Worldwide is developing continuously new innovative ways to help all the chain members to stay at the top. Electronics and nano-technology help greatly in this field. The application of biochemistry and cell physiology also helps us understand more and improve semen control.

We are combining our top scientists from AIM Worldwide, Varkens KI Nederland, AIM Norway and AIM Ibérica and their particular relationships with universities and institutes into one strong strand of science, inspiration, experience and evidence.

Increased production per boar

The next challenge is to produce more semen per boar. This is not primarily to reduce semen cost, but to increase the use of the boars with the highest genetic merit. A move to premium boars may enhance the earning model of the stud. Using premium boars enhances the value of the whole chain, with a significant increase in value per finisher.

AIM Worldwide makes a lot of efforts to enhance individual boar productivity. This includes optimized feeding and treatment, modern housing, and also reducing semen concentration. Technology that enables exact counting of semen cells is a prerequisite for opening these doors. Around the world, many studs produce 1,000 to 1,400 doses per boar. The future for AIM Worldwide will be 5,000 to 8,000 doses per boar.

AIM Worldwide Contract

By drawing up a contract between AIM Worldwide and new chain members, we give access to our knowledge and experience, techniques and software. On the AI studs, quality audits are carried out at least once a year. In total, more than 85 checkpoints are checked. A point of vital importance is the correct calibration of the instruments at the AI studs. When measuring thousands of doses per day, calibration is vitally important.

The overall focus is to put our customers ahead of the competition, by supplying fast and accurate improved genetics to their pyramid.

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Topigs Norsvin USA

New nucleus boar stud stocked

Grand Vertex, the new nucleus level boar stud for Topigs Norsvin USA, received its first load of boars in February 2015. More boars were delivered to the 200 head filtered facility in the following weeks, and Grand Vertex plans to begin sending out doses to customers in April 2015. Having this project completed, and providing doses from the best of the best boars in the US, is an exciting step forward for Topigs Norsvin USA.



AIM Worldwide

- Topigs Norsvin's international organization for semen production and distribution.
- Supplies fresh and frozen quality semen all over the world.
- Specializes in services such as AI, embryo transfer and management of AI stations.

Read more about AIM Worldwide on page 60 in the Magazine.
