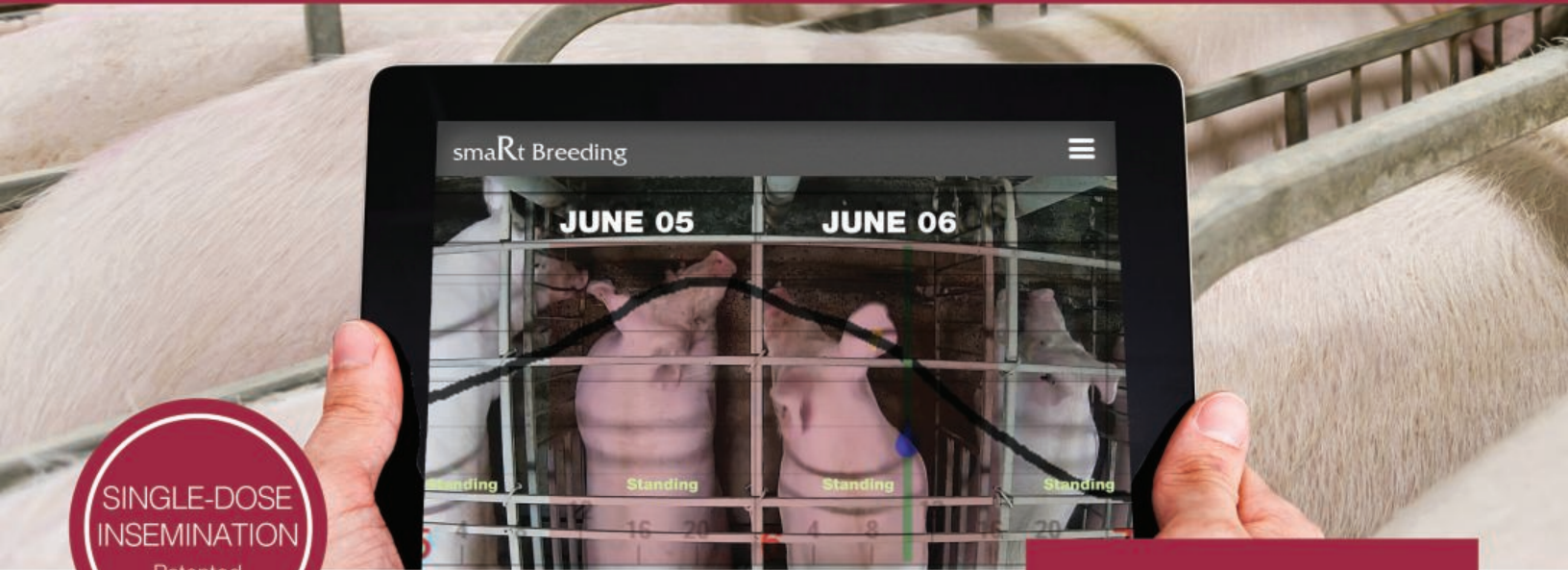


# SMART BREEDING

A module of the Ro-Main smaRt suite for sows



SINGLE-DOSE  
INSEMINATION  
Patented

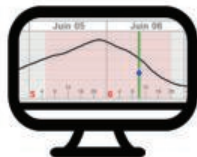
## HOW DOES IT WORK?

smaRt Breeding is the evolution of our PigWatch system which has been tested and approved on several thousand of sows.

Using a network of cameras, the smaRt Breeding server analyses your sows' behaviour in real time using artificial intelligence specialized algorithms and warns you when the optimal moment to inseminate each sow has come.\*



Camera  
observation



Estrus-related  
behaviour analysis



A precise single-dose  
insemination

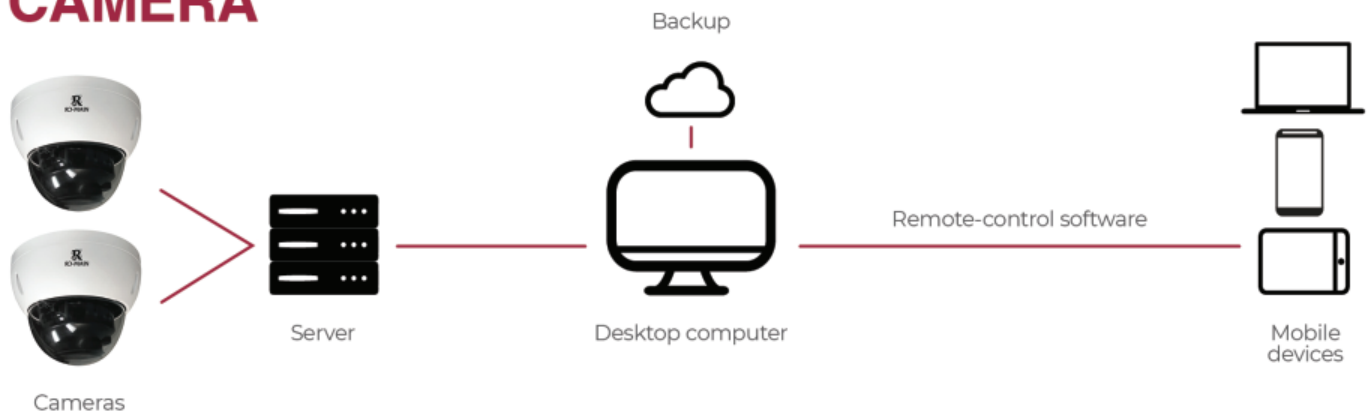
- Semen doses reduction
- Worker productivity improvement
- Cost reduction linked to breeding
- Solution to shortage of skilled labour
- Fertility optimization
- Helps breeders make sound decisions
- Revenue increase

\* smaRt Breeding version 1.0 is designed to determine the optimal moment to inseminate weaned sows.  
Non-contractual images

1401, Bellevue Street, Saint-Lambert-de-Lauzon (Quebec) CANADA G0S 2W0  
418-889-0566 • 1-877-776-6246 • [ro-main.com](http://ro-main.com)

  
**RO-MAIN**  
Agro-Technological Products and Solutions

# CAMERA



IP camera (network) connected and powered by the smaRt Breeding server using a LAN cable:

- Waterproof and dustproof (IP 67)
- Waterproof wired connection

- Easy cleaning and disinfection
- Works in different light conditions (night vision)
- Fixing system included
- One camera for 4 sows

smaRt Breeding server designed for the environment of a pig farm:

- Connection: 110-240V; 50-60Hz
- Up to 100 cameras per smaRt Breeding server

Ceiling height

8 to 12 feet

## AN INTUITIVE SOFTWARE

An intuitive software decodes the images taken from the video streams of the cameras and uses this data to inform you of the evolution of your sows' reproductive cycle. The software generates reports and graphs, as well as a list of sows whose best time to inseminate has come.

The software also provides you with:

- Heat detection sheet
- Farrowing predictions report
- Summary of performance report
- Performance assessment form
- Possibility to export data through CSV file

## THE SMART BREEDING METHOD

To help you use the system to its full potential, our team will assist you in the process of installation, startup and optimization of your work protocols. Our smaRt Breeding experts will be there to help you make the most of your precision tool.

### SMART BREEDING INTEGRATION STEPS

1. Audit of the farm
2. Proposal of an installation plan and personalized management protocol
3. Hardware installation
4. 2-week training with smaRt Breeding experts in pig reproduction
5. 2-week remote support by phone and remote access to the software
6. 1 year of results monitoring and optimization of breeding methods