

Applications

Industry / Customer Group	Agriculture / Farming
Application	Gate Control (Date Gate)
Country	Holland
Product	SpacePak 2000 - SPBS
Variations	

Application



Details

Artificial insemination has started to dominate the reproductive process in many herd breeding farms. If managed correctly, it is said to have several advantages over natural matings and the individual breeding farms are perfecting and customising their own procedures to help the process run smoothly.

In this specific application, the breeders have an “interaction” lane where the boars can each spend up to 3 minutes with a group of sows. Research and results have proven that boar presence during the process is essential and that the nose-to-nose contact not only stimulates the sows but settles the group ready for the latter processes.

The Telco SPBS sensors are used along the entire length of the interaction lane, one per compartment, to control the opening of the pneumatic doors. The SPBS detects the boar as it enters a compartment and after a time delay of 3 minutes the pneumatic door opens to allow the boar through to the next group of sows. The boars have a relatively short attention span and when they hear the gate click open, they are trained to go through the door and into the next compartment to spend 3 minutes with the next group. This means that the process can be operated and managed by just one person

Reference: TELCO 1102071036



The SPBS sensors are mounted along the ceiling, pointing downwards into each compartment and are used to control the opening of the gates as the boars make their way along the “interaction” lane.



An SPBS detects the boar as it enters each section and after a 3 minute time delay, the gate in front of the boar is set to open and allow the pig through to the next compartment. The boars are trained for this and, helped by a short attention span, react to the click of the gate as it opens.

Reference: TELCO 1102071036