

# SUCCESSFUL BIOSECURITY ACTIONS VS. ASF

MAYENNE CHERYL B. DIMACALI, DVM, Dip PCSP  
Animal Health Assurance Director  
GreenFeed Vietnam





# ASF and BIOSECURITY...

- ☐ The disease outbreak caught the global pig industry by surprise.
- ☐ There's still a lot of unknowns about this disease.
- ☐ The biggest question that we all had was how to prevent it and how can we save our pigs and our farms from being infected?
- ☐ We are all awaiting for an effective vaccine.
- ☐ Until then, we can only rely on BIOSECURITY.

# ASF and BIOSECURITY...

- ☐ The FACT is that not that we don't know what is BIOSECURITY and how to do it.
- ☐ **THE BIG QUESTION IS: ARE WE IMPLEMENTING IT?**
- ☐ **AND ARE WE IMPLEMENTING IT PROPERLY?**
- ☐ We do know that the disease may come anytime.
- ☐ Question is: What have we done to prevent it from infecting our pigs and our farm?
- ☐ Did we make a clear battle plan to stand our ground when the enemy comes? Or did we even try? Or did we act too late?



# ASF and BIOSECURITY...

- ❑ Maybe the biggest challenge is not ASF.
- ❑ **The biggest challenge perhaps is CHANGING THE MINDSET about the disease and about BIOSECURITY.**
- ❑ How can we expect change to happen if we are not willing to make any change in the first place?



# ASF and BIOSECURITY...

- ❑ When ASF came to Vietnam, I said to our people that we need to make a decision as a company that we will make BIOSECURITY a part of our company culture.
- ❑ What does that mean? It means that we should be confident that our people are doing biosecurity even if we are not looking.
- ❑ We have set in the minds of our people that **BIOSECURITY is JOB SECURITY.**
- ❑ We have set in the minds of our people that there is no such thing as 100% protection BUT that we will make every effort that we can to minimize the risks because it is the only defense we have now against ASF.
- ❑ Today, I will share the biosecurity measures we have done to prevent ASF in our farms.

# ASF and BIOSECURITY...

SO WHAT DID WE DO?

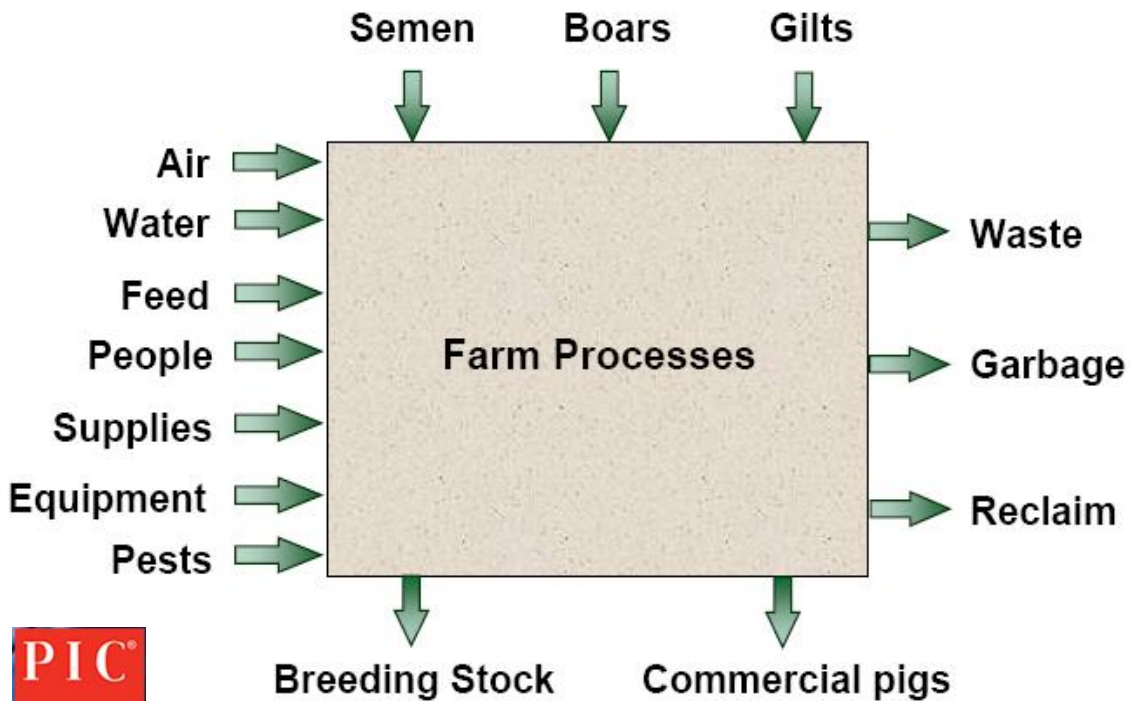
- ❑ **WE IMPLEMENTED BIOSECURITY.**
- ❑ We tried to get to know our enemy = ASF.
- ❑ We kept our focus in continuously assessing, identifying and minimizing the risks on how the virus can possibly get into our pigs and into our farms.
- ❑ We paid attention to detail.



# HOW DID WE DO BIOSECURITY?

**FOCUS: ASSESS & MINIMIZE RISKS!!!**

**THE ONLY WAY TO ENTER THE FARM IS THRU  
DECONTAMINATION: WASH, DISINFECT, DOWNTIME**



## QUY ĐỊNH AN TOÀN SINH HỌC BIOSECURITY POLICY

File name: Biosecurity Policy  
Version number: 01  
Effective date: 10.01.2019



## RESPECT BOUNDARIES



# WATER

- ☐ We used deep-well water.
- ☐ We stopped using surface water such as that sourced from the lake.





# WATER

- ❑ We use hot-power washer for cleaning our barns and at the truck wash as according to OIE, ASF virus may be inactivated by 60°C for 20 minutes.



# FEED

- ☐ Feedmill biosecurity and audit.
- ☐ No animal proteins used in feed (examples: blood meal, meat and bone meal, etc.)  
Only fish meal used for the piglet diet.
- ☐ All feeds are pelleted. Pelleting is cooking. Cooking is heat treatment.
- ☐ Use of feed mitigants against ASF.
- ☐ No feed bags allowed inside the farm. How?





# FEED

- ❑ Other feed delivery systems: double silo system, use of internal transfer feed trucks so feed truck from the feedmill doesn't have to go inside the farm, silos strategically positioned at the perimeter fence of the farm so feed truck does not have to enter the farm.





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# PEOPLE

- ❑ Shower facility provided at the farm gate before entering the medium security area and another shower facility before entering the high biosecurity pig production area.
- ❑ People entering farm are provided with internal uniform (clothes, footwear, jacket, raincoat, hat). Different set for the medium security area and different set for the high biosecurity pig production area.





# PEOPLE

- ❑ Medium security living area: dormitory, office, meeting room, kitchen, dining, play area





# PEOPLE





# Supplies Entry





# Supplies Entry and Decontamination









# Food Entry and Decontamination









# Pig medications: injectables, vaccines, water meds, etc.











Water bottles inside AI Laboratory



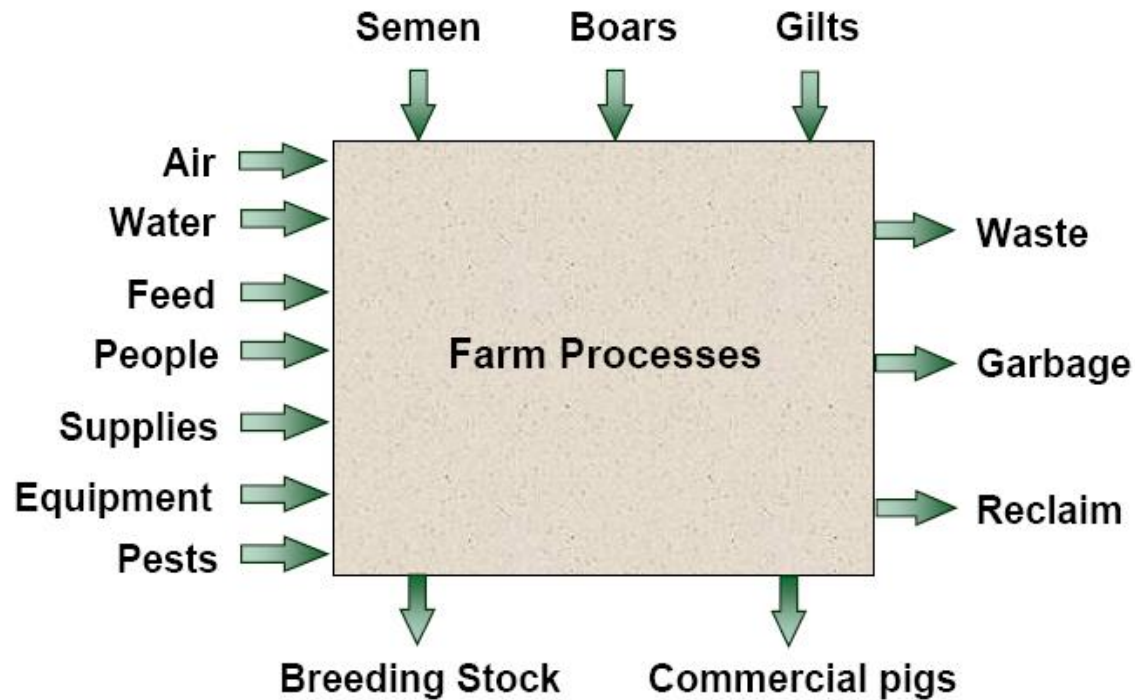
Water bottles at farrowing area.



Water bottle at manure disposal area.



# NO ENTRY FOR PESTS – HOW?



- Clean-Dirty Line (CDL)
- Perimeter fence
- Bird-proofing
- Rodent Control Program

**DIRTY**

**CLEAN**

## RESPECT BOUNDARIES

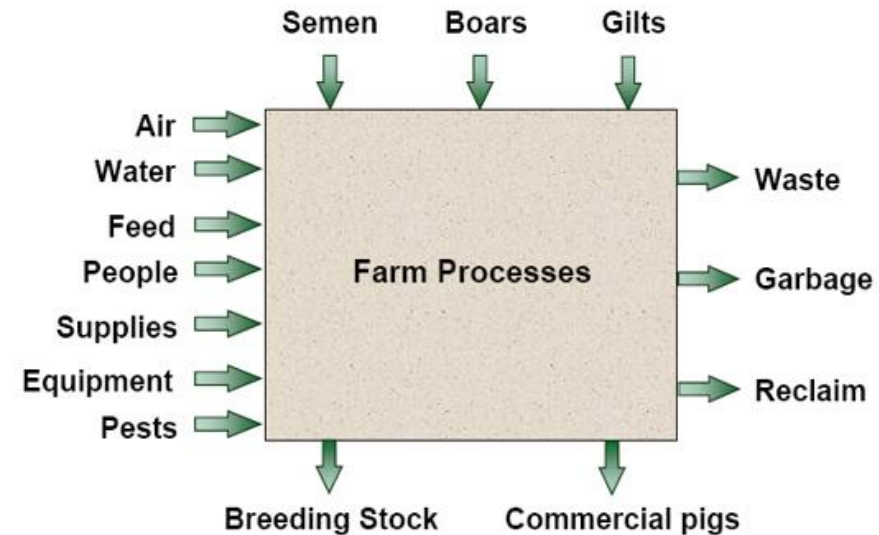
DIRTY

CLEAN AREA



HIGH  
SECURITY

MEDIUM  
SECURITY







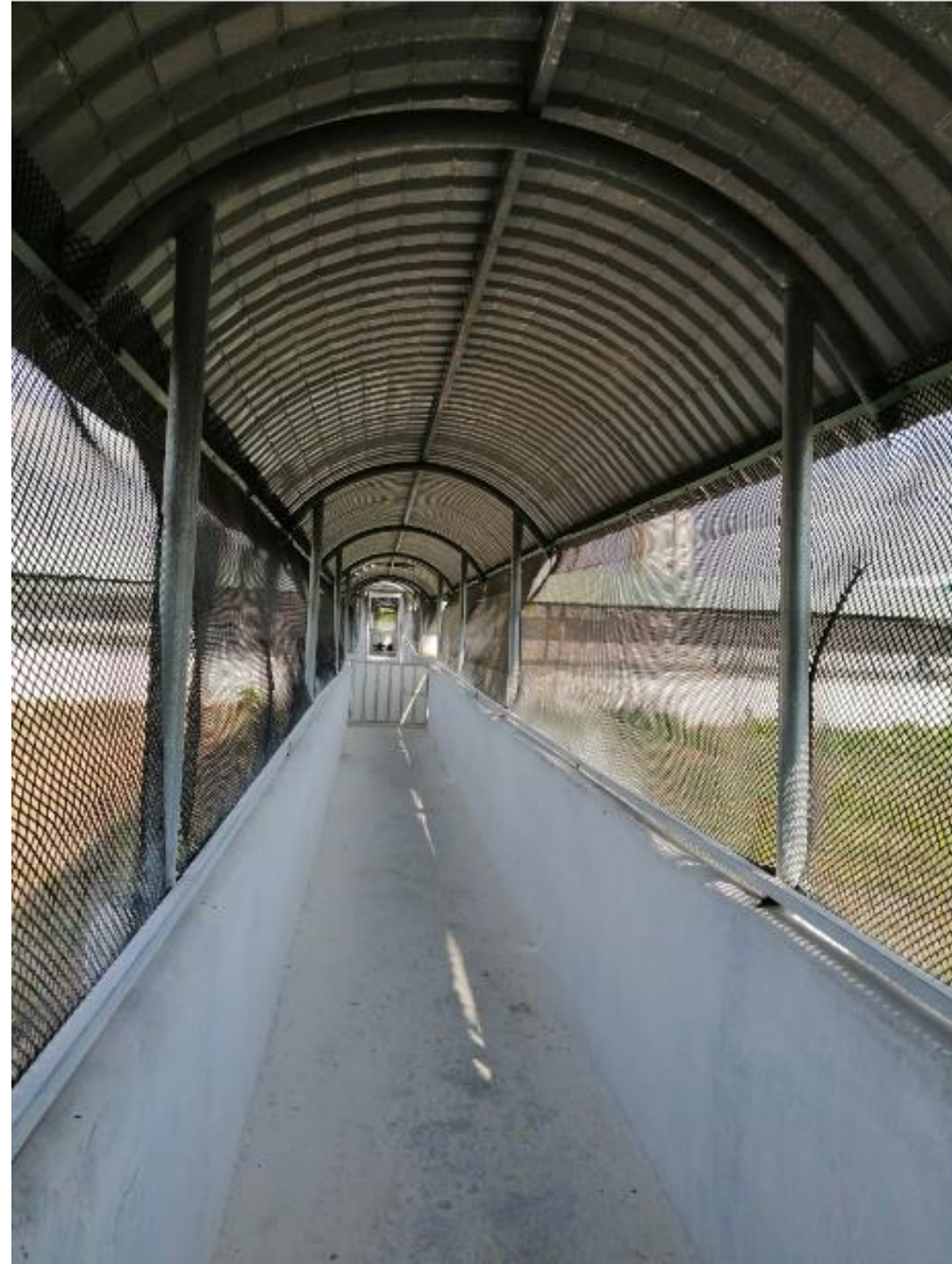




























QUY TRÌNH THỰC HÀNH TIÊU CHUẨN  
STANDARD OPERATING PROCEDURES

CHƯƠNG TRÌNH QUẢN LÝ KIỂM SOÁT CHUỘT VÀ CÁC  
LOÀI GÂY HẠI  
VERMIN AND RAT CONTROL MANAGEMENT PROGRAM

Contact info

Randolph Reinecker Zoerb<sup>1</sup>, Tran Nhat Minh<sup>1</sup>, Bui Thi Kleu<sup>1</sup>, Huynh Thi Thanh Hoa<sup>1</sup>  
[randolph.z@greenfeed.com.vn](mailto:randolph.z@greenfeed.com.vn), [minh.tnhat@greenfeed.com.vn](mailto:minh.tnhat@greenfeed.com.vn), [kieu.bt@greenfeed.com.vn](mailto:kieu.bt@greenfeed.com.vn),  
[hoa.htt@greenfeed.com.vn](mailto:hoa.htt@greenfeed.com.vn)

<sup>1</sup>Bộ Phận Kỹ thuật & Đào Tạo Trại – Technical and Training Department

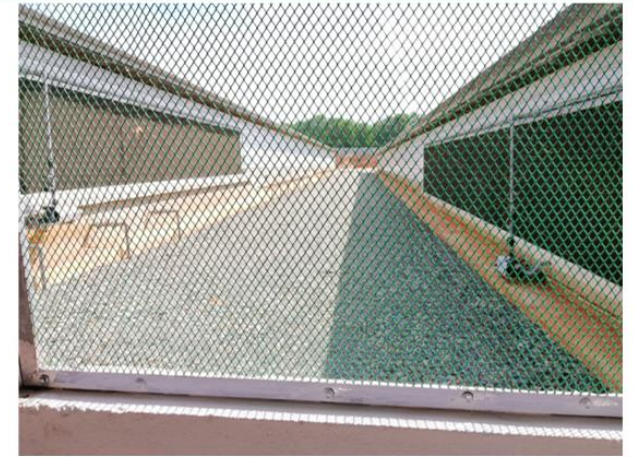
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Phiên bản – Version: 01



**KEEP GRASS LOW AND  
AT LEAST 1 METER  
CLEARANCE AWAY  
FROM THE BUILDING**

**MORE IS DEFINITELY  
BETTER**

**IDEAL CLEARANCE and GRAVEL AROUND THE  
BUILDINGS. Rats don't like walking on gravel.**





# Isolation Facility for Replacement Gilts and Boars





















Truck Disinfection Facility

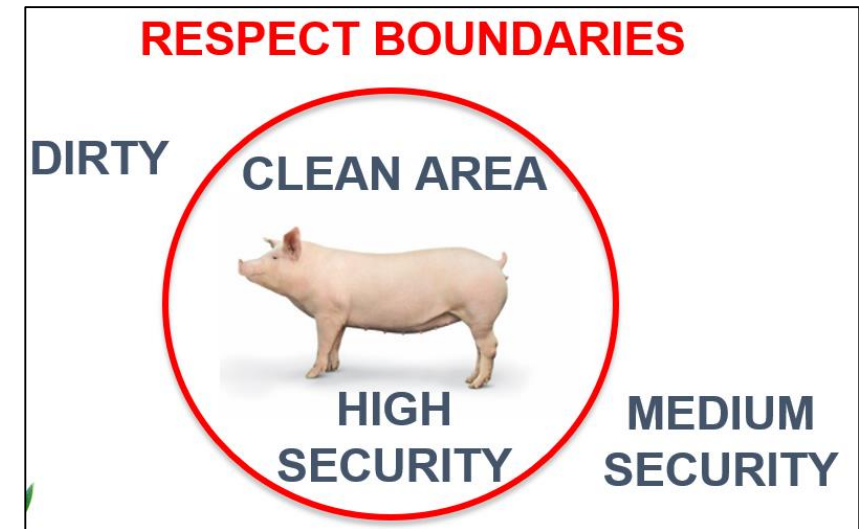
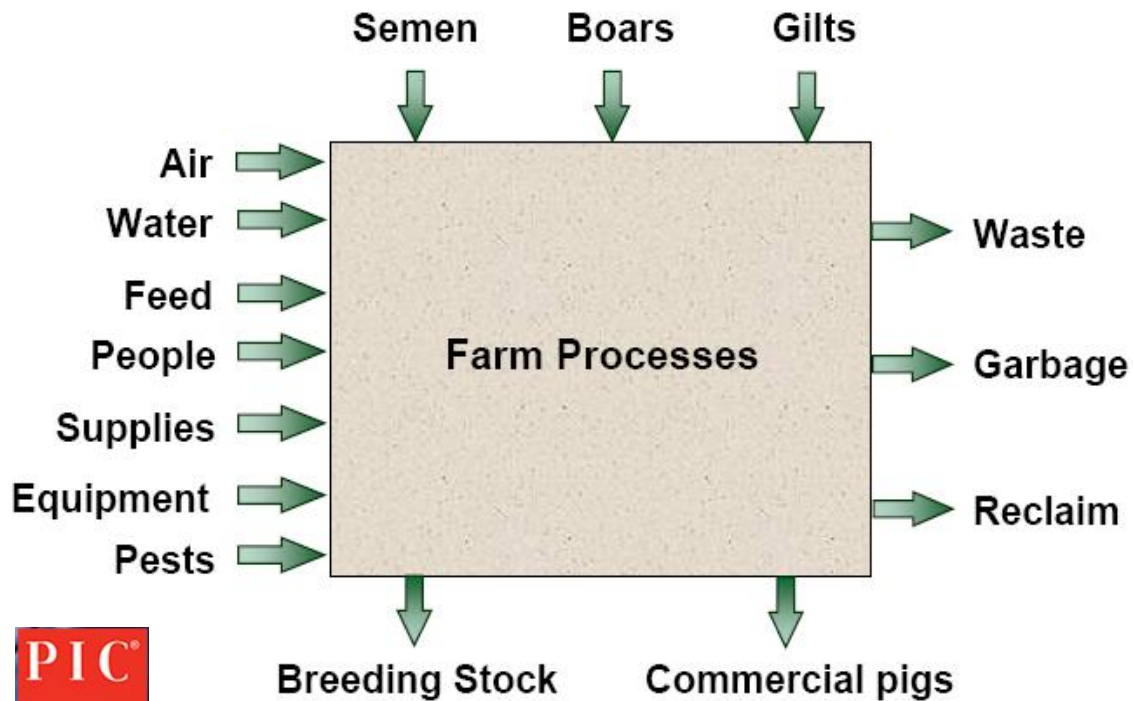
High biosecurity pig  
production shower rooms

Truck Disinfection drain going inside the  
farm instead of away from the farm.

# HOW DID WE DO BIOSECURITY?

**FOCUS: ASSESS & MINIMIZE RISKS!!!**

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- ❑ **The biggest challenge perhaps is CHANGING THE MINDSET about the disease and about BIOSECURITY.**
- ❑ We cannot expect change to happen if we are not willing to make any change.
- ❑ At this point, BIOSECURITY is the only defense we have against ASF.
- ❑ So, let us implement BIOSECURITY !



Dr. Max Montenegro



Dr. Angel Manabat



THANK YOU FOR LISTENING.