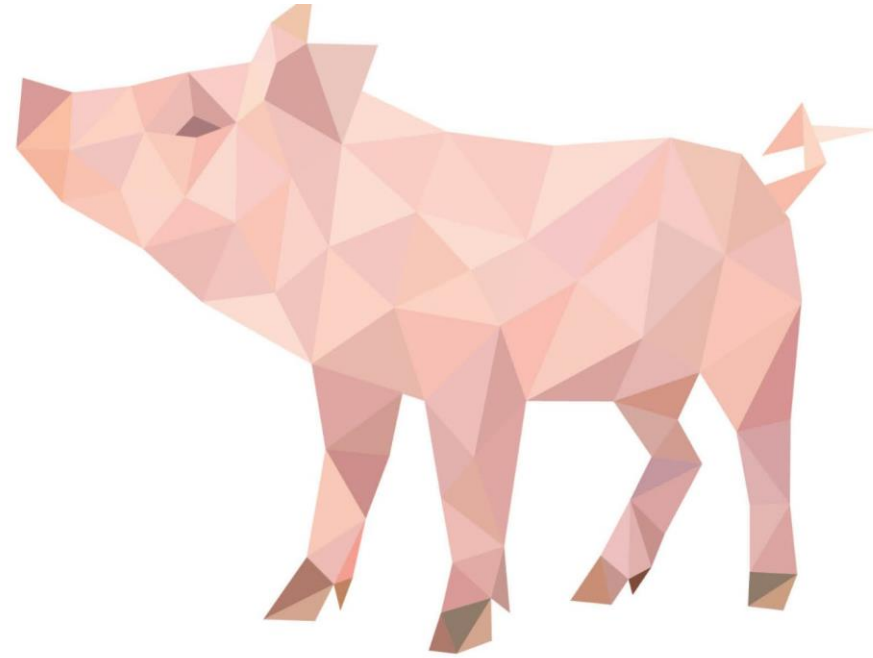


NOOYEN DEALER DAYS 2019

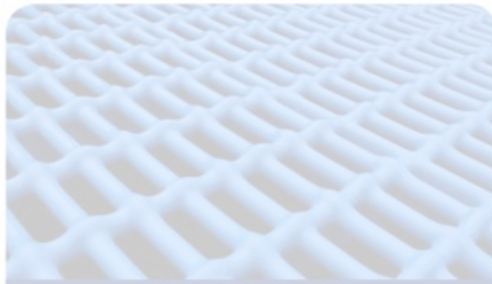


NOOYEN

▲ PIG FLOORING



PIG FLOORING



CATTLE FLOORING



FARM EQUIPMENT



PIG FARMING



PIG MEAT PRODUCTS



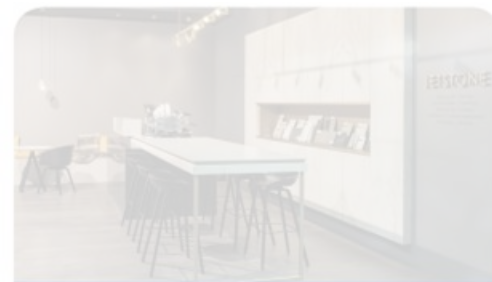
AGRICULTURE



STEEL PANELS ARCHITECTURAL



FENCING & KENNELS



COUNTERTOPS





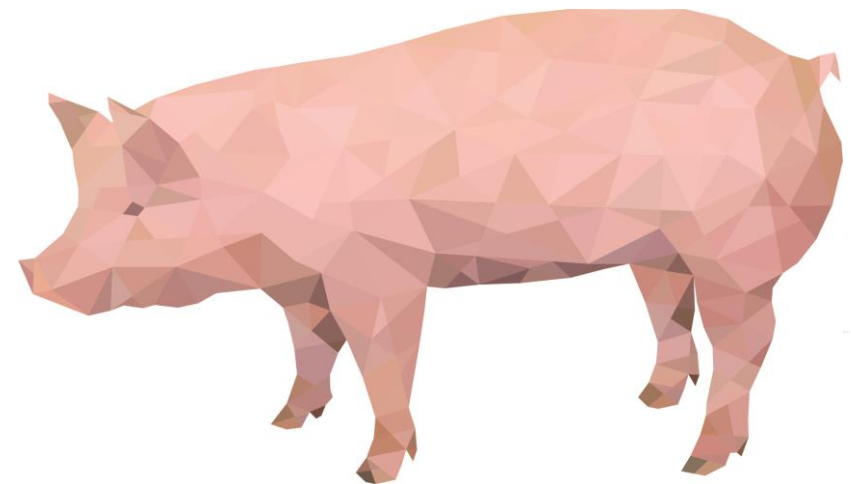
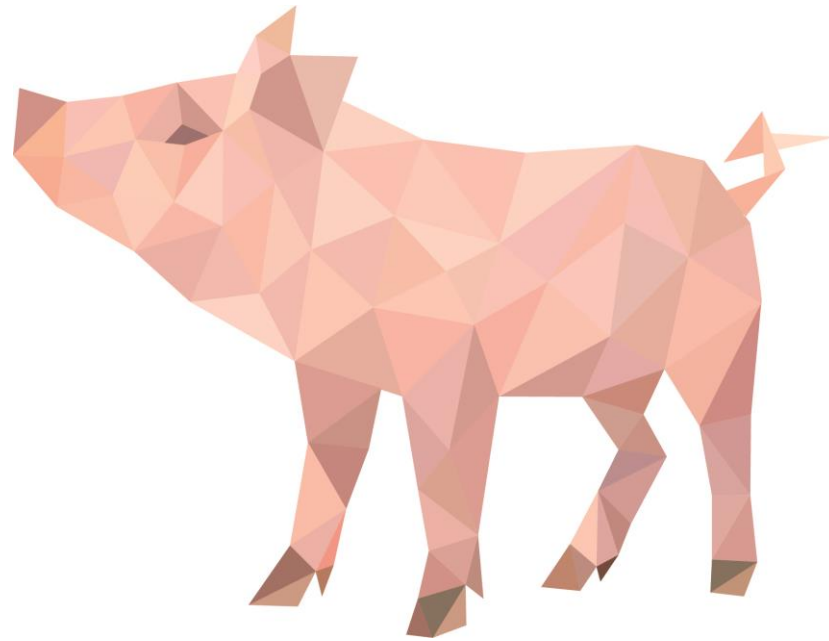
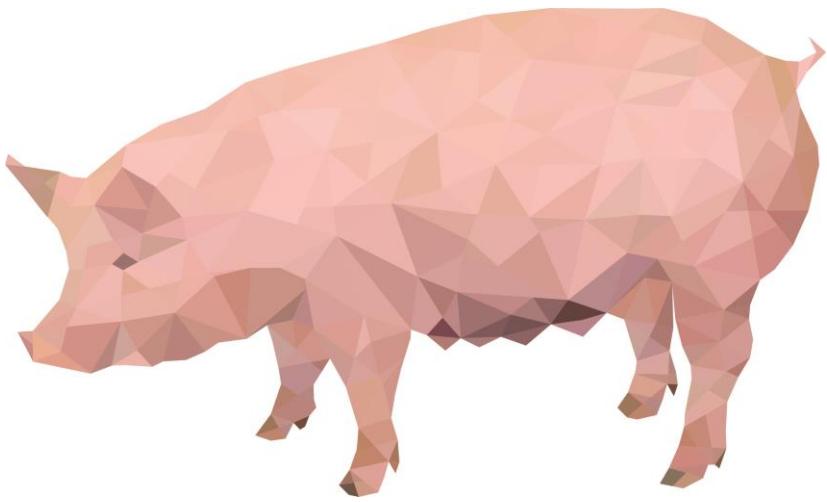
Hein Klein Gunnewiek

49 Years old

Sales at Nooyen since 2013



INNOVATORS BY TRADITION



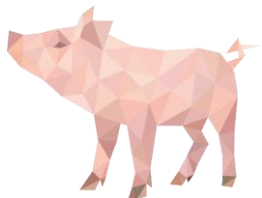
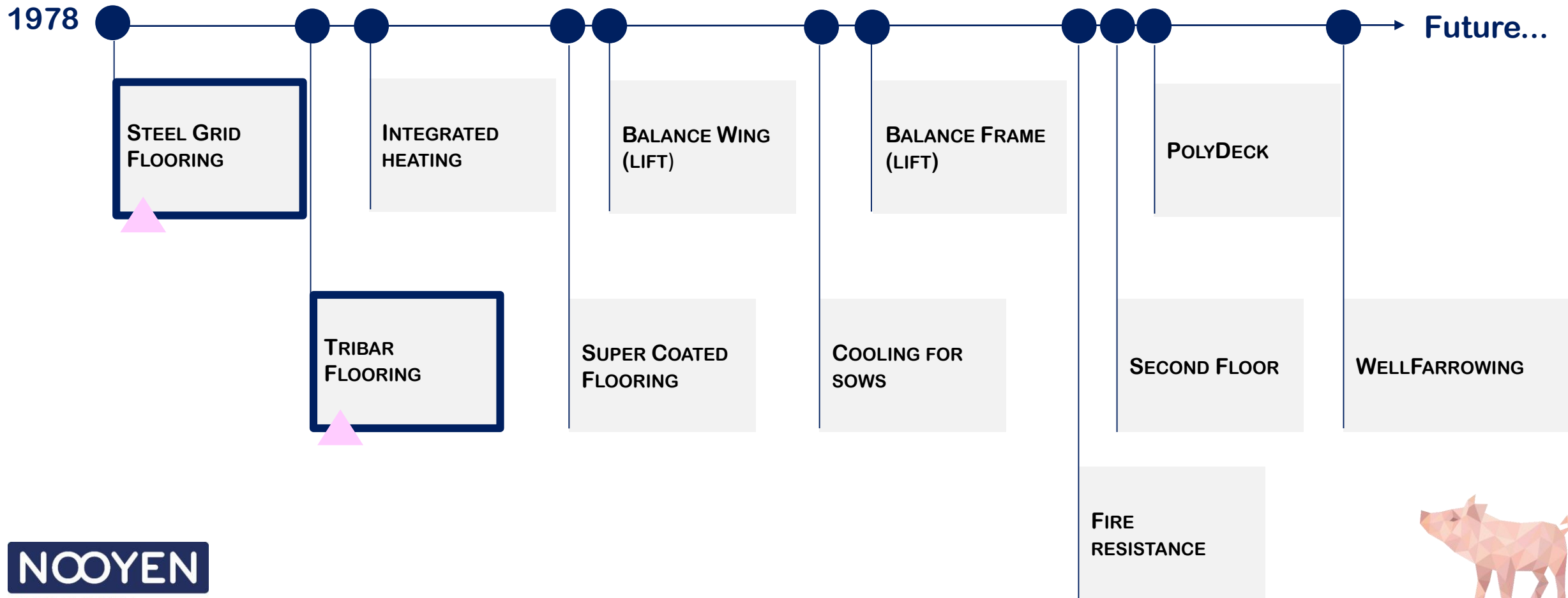
NOOYEN

▲ PIG FLOORING



INNOVATORS BY TRADITION

INNOVATORS BY TRADITION



TRI-BAR



NOOYEN

▲ PIG FLOORING



TRI-BAR SOW SLAT

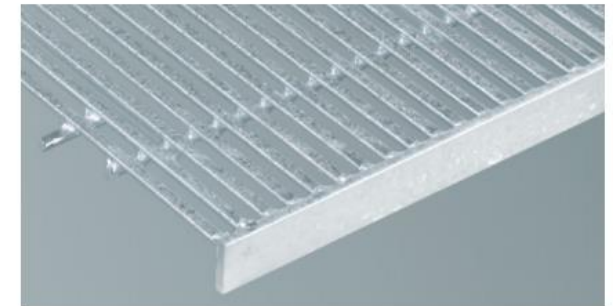
For individual or group housing



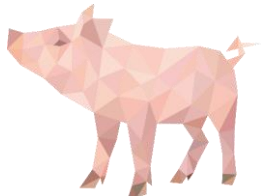
■ Gestation sow slatted floor with open, tilting manure hatch.



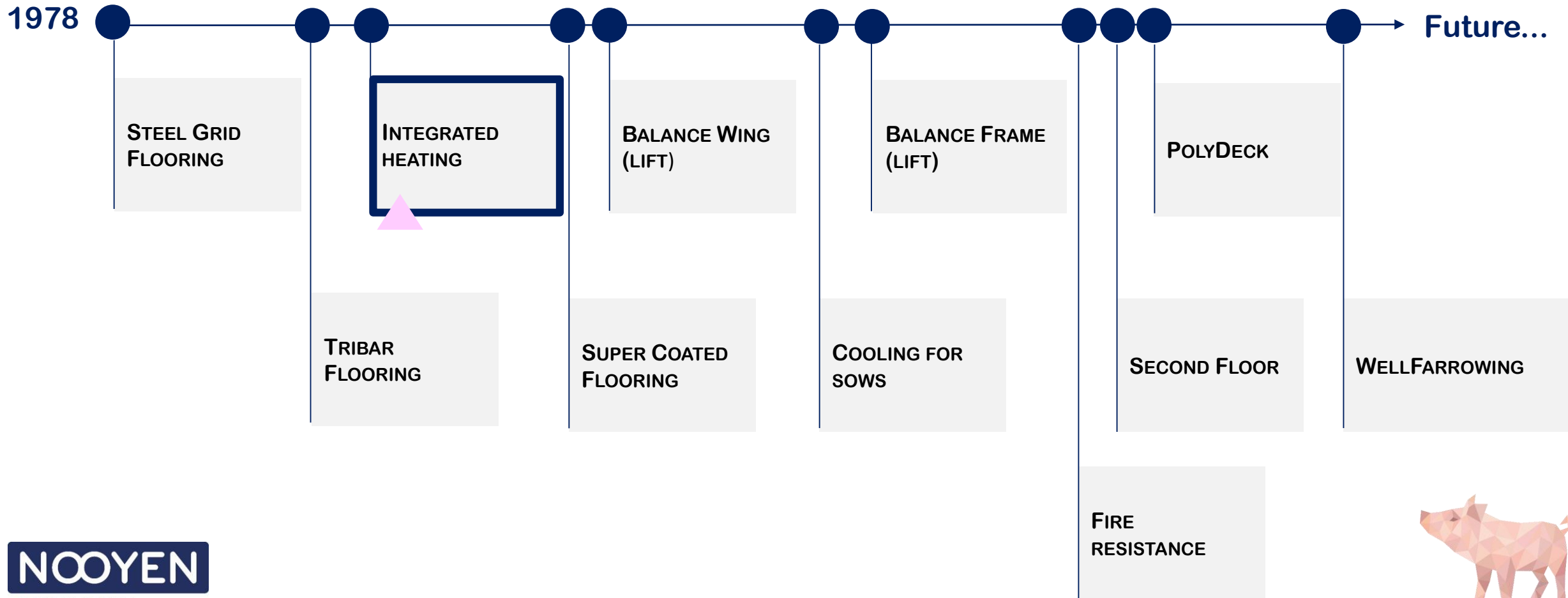
■ The Tri-Bar slats for gestation sows come standard with extra profile: Softgrip.



■ Tri-Bar equipped with a strip welded against the Tri-Bar.



INNOVATORS BY TRADITION



FLOOR Heating

Water or electrical



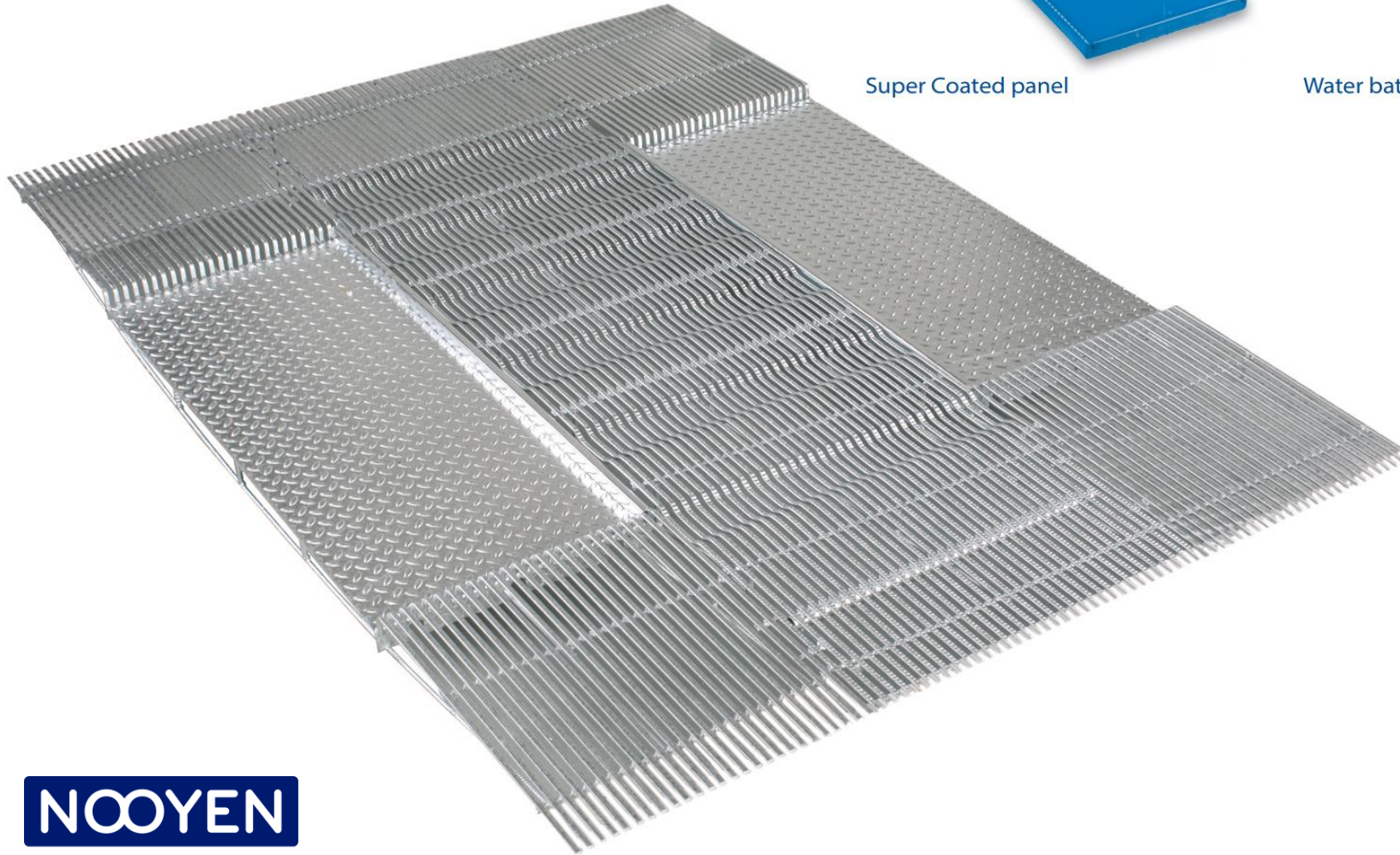
Super Coated panel



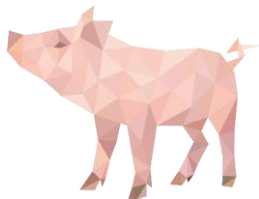
Water bath heated plate



Rubber floor

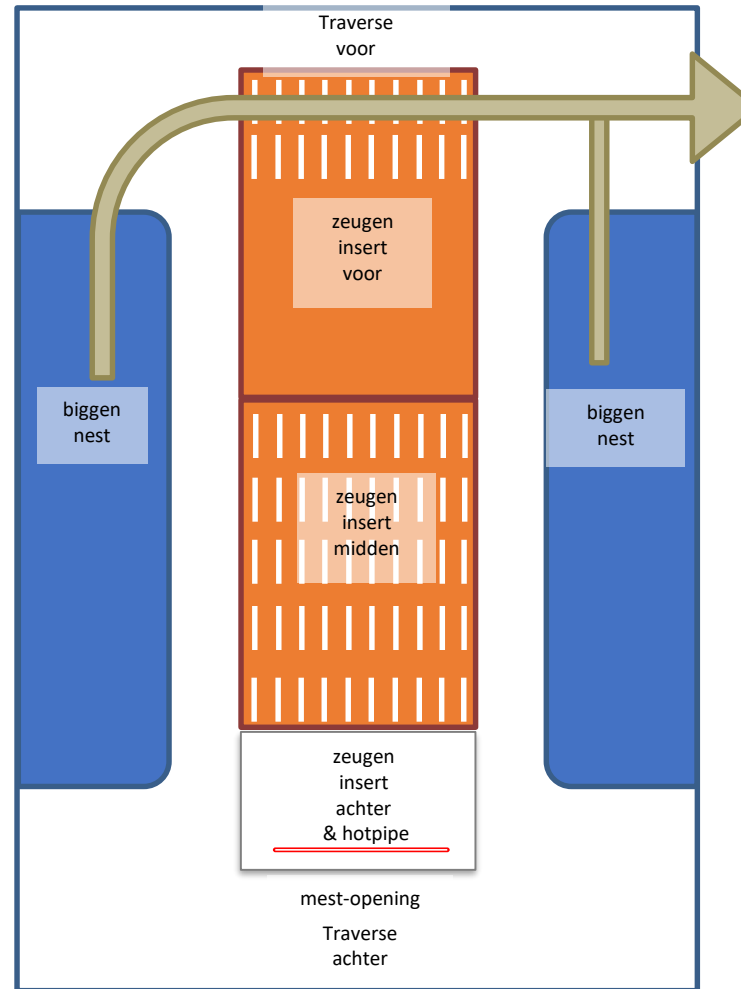


Aluminium solid area



PIGLET-NESTS

- in every size available
- seamless integrated in the slat
- 1 or 2 sides of the sow
- waterheated
- option: topcoating
- option: isolation
- 2,5 cm
- isolation-sheet

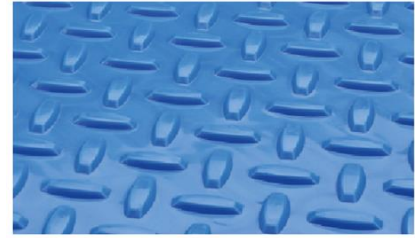


INNOVATE? or copy (and improve)



BLUE DECK FARROWING PEN SLAT

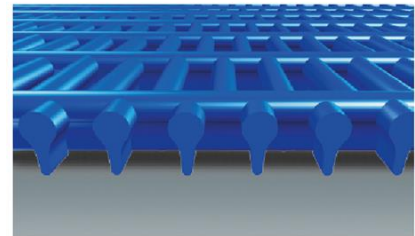
The unique solid plastic slat in Woven Wire model
Also available with Balance Floor



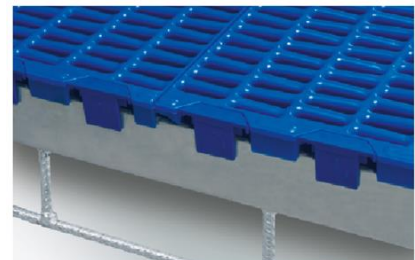
■ The solid area of the Blue Deck has a tear shaped profile, giving the piglets optimal grip.



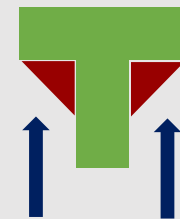
■ The Blue Deck slat is equipped with bars running parallel to the sow providing extra grip for the piglets.



■ The tear shaped bars and the rounded top provide high lying comfort, perfect drain of the manure and easy to clean surface.



■ Blue Deck slat on galvanised steel frame with bridge construction.



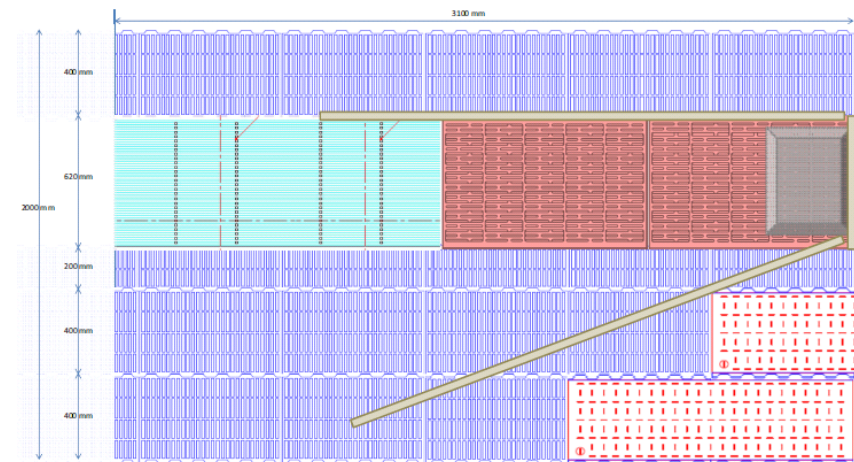
THIS IS
SHIT!

NOOYEN

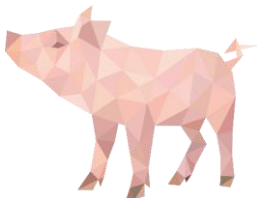
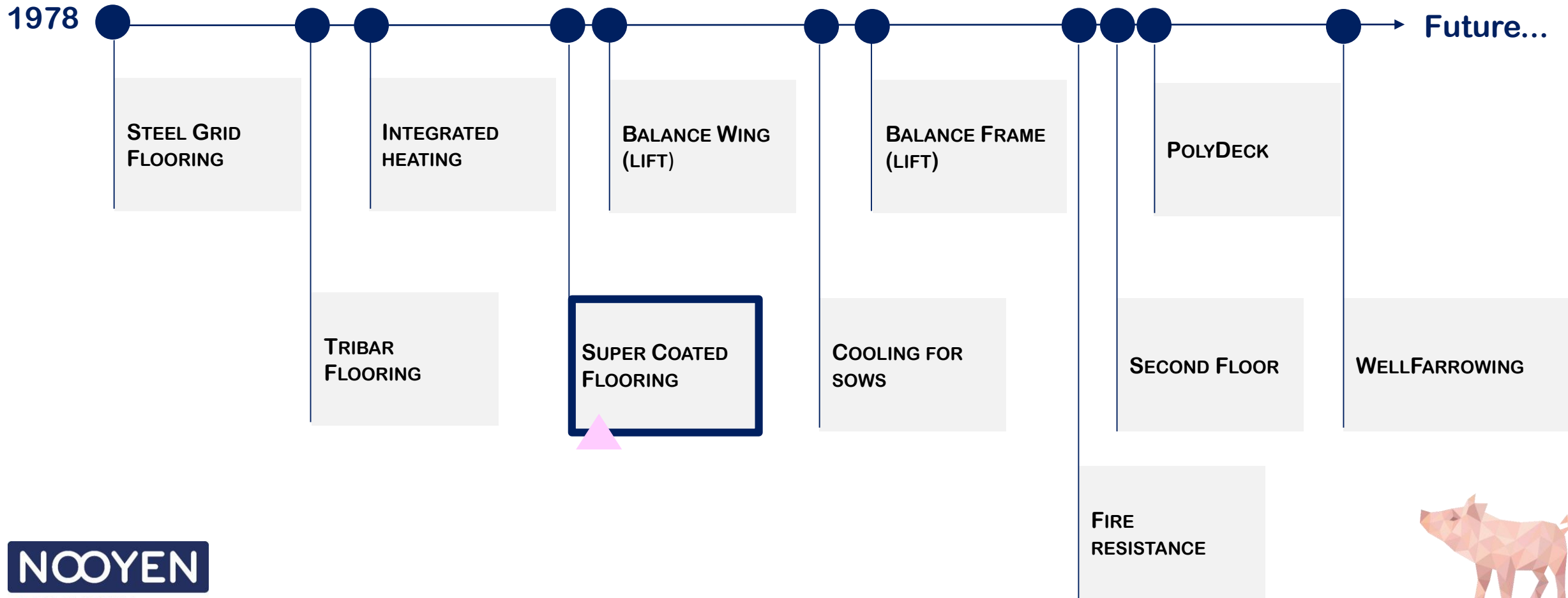
▲ PIG FLOORING

SOW DECK in the farrowing

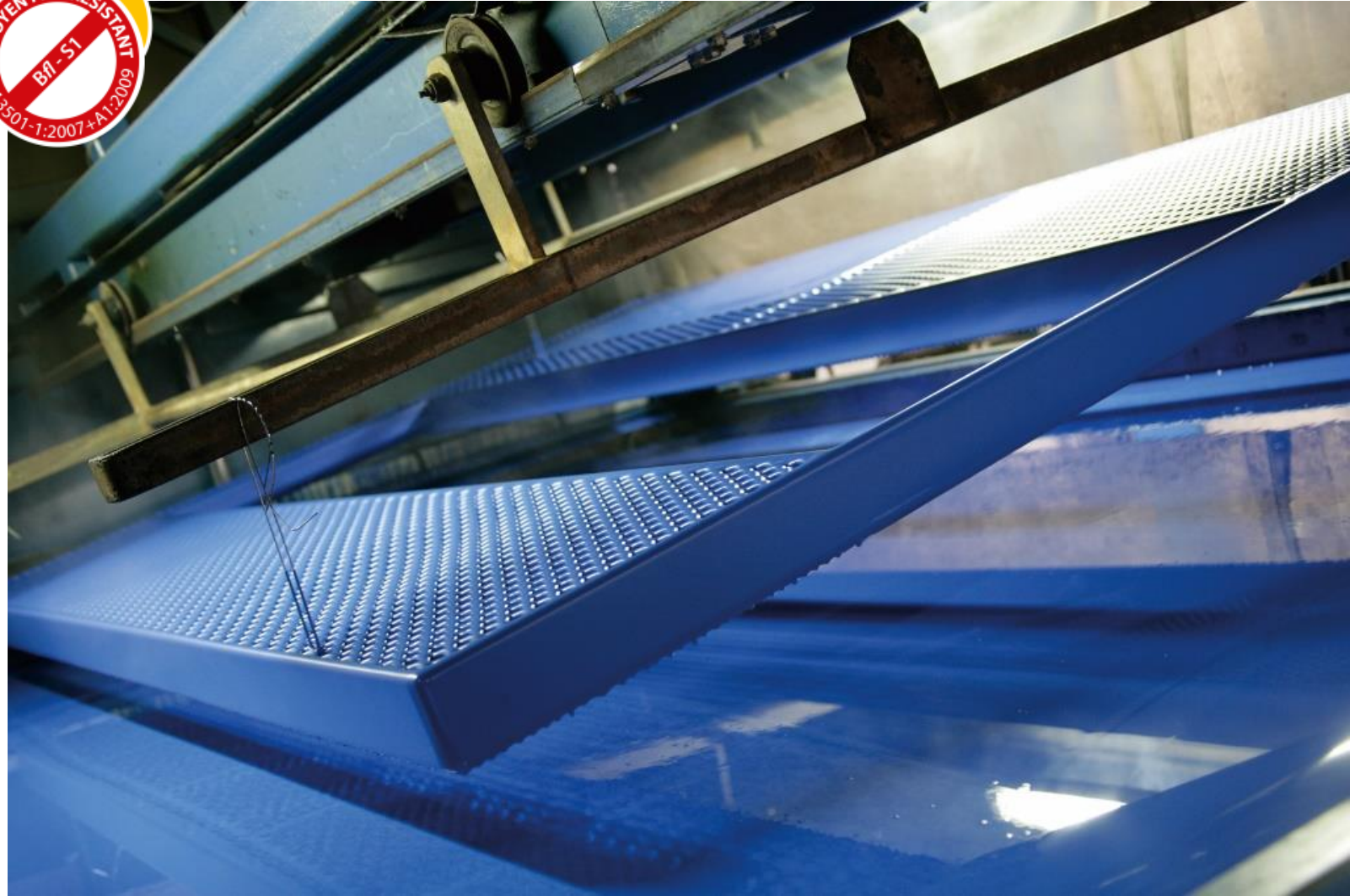
SOW DECK
plastic tiles
for optimal grip for the sow



INNOVATORS BY TRADITION

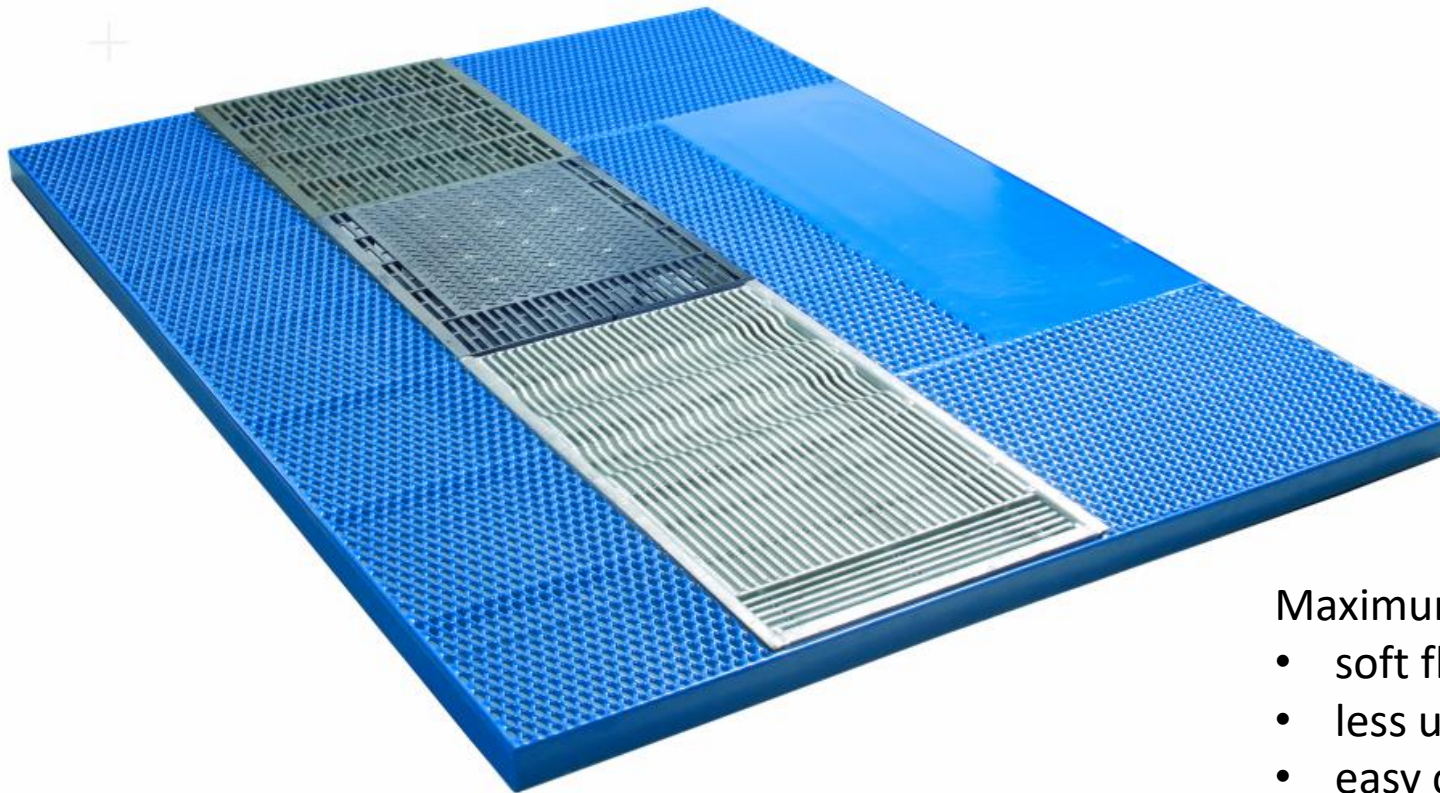


SUPER COATED for hygiene & comfort



SUPER COATED Farrowing

The animal-friendly coated slat for optimal comfort

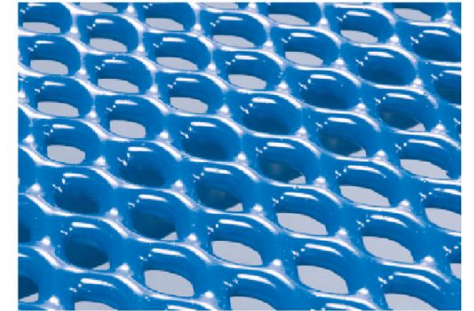


Maximum animal welfare:

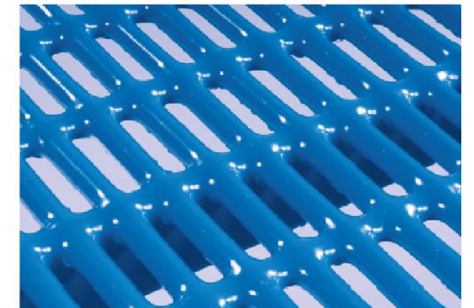
- soft floor
- less use of antibiotics
- easy cleaning
- Since '94



■ Super Coated Frame model in a diagonal position.



■ Expanded metal.



■ Woven wire.



FIRE RESISTANCE – DEMO VIDEO

SUPER COATED Bfl – s1

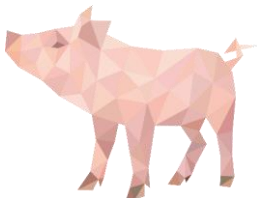
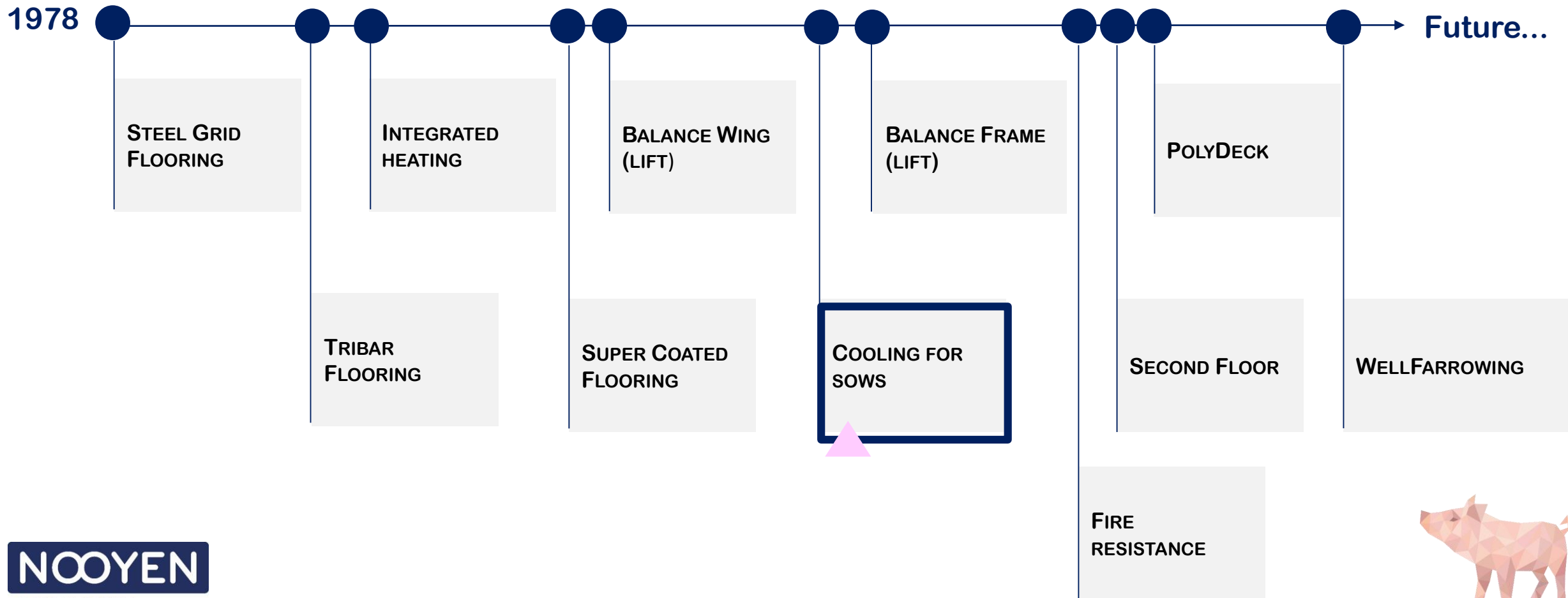


NOOYEN

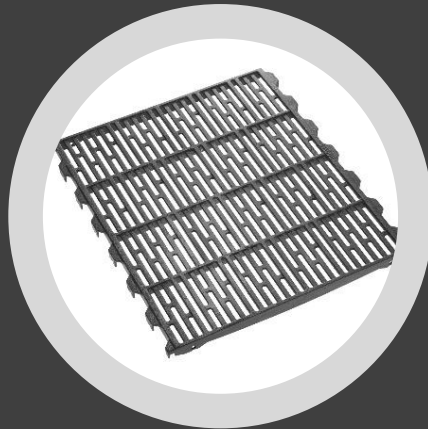
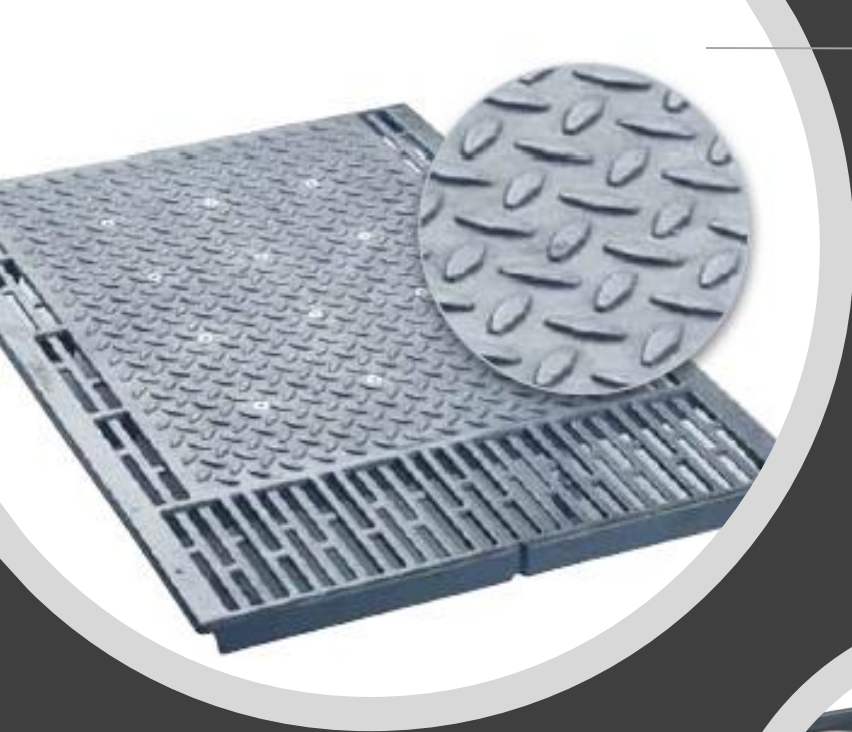
▲ PIG FLOORING



INNOVATORS BY TRADITION

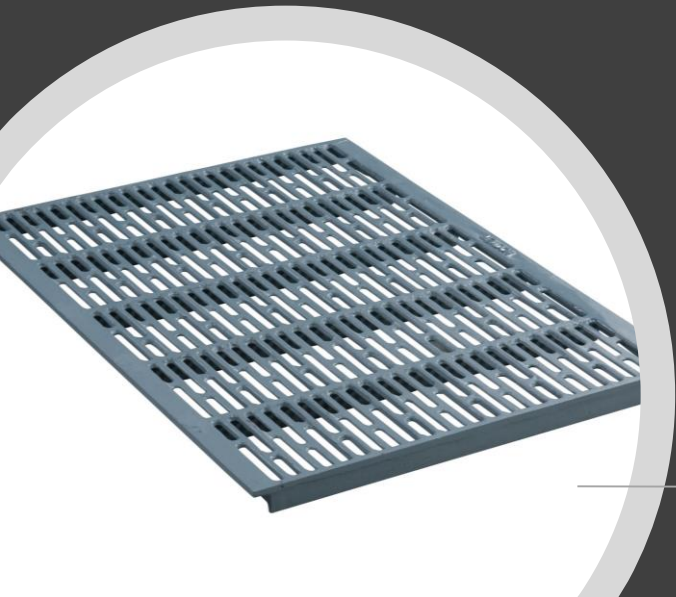


closed area
underneath the sow



SOW-INSERTS cast iron

- Available sizes:
- 265 x 620 mm
- 706 x 620 mm
- 861 x 620 mm



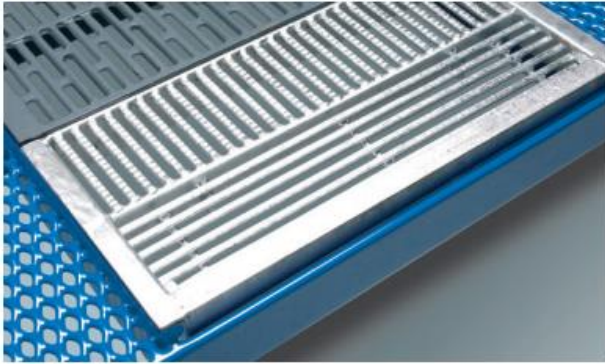
Cooling underneath
the sow

V-shaped bars;
Tri-cast

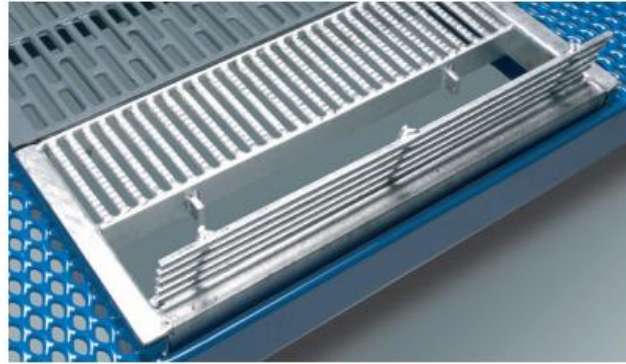


MANURE DRAIN BEHIND THE SOW

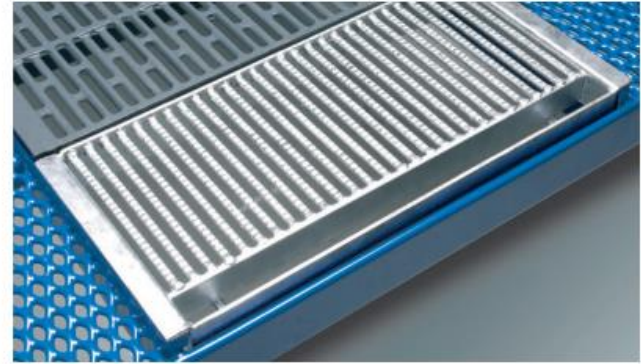
For perfect hygiene in the farrowing pen



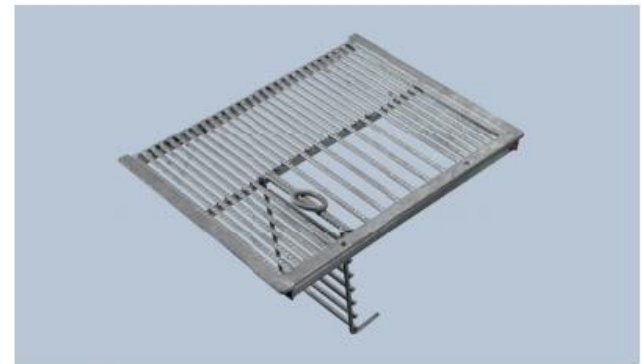
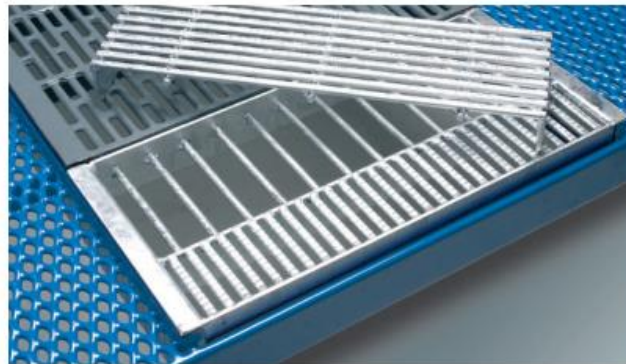
■ Tri-Bar tilting manure hatch.



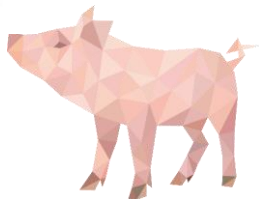
■ Manure opening 40 mm.

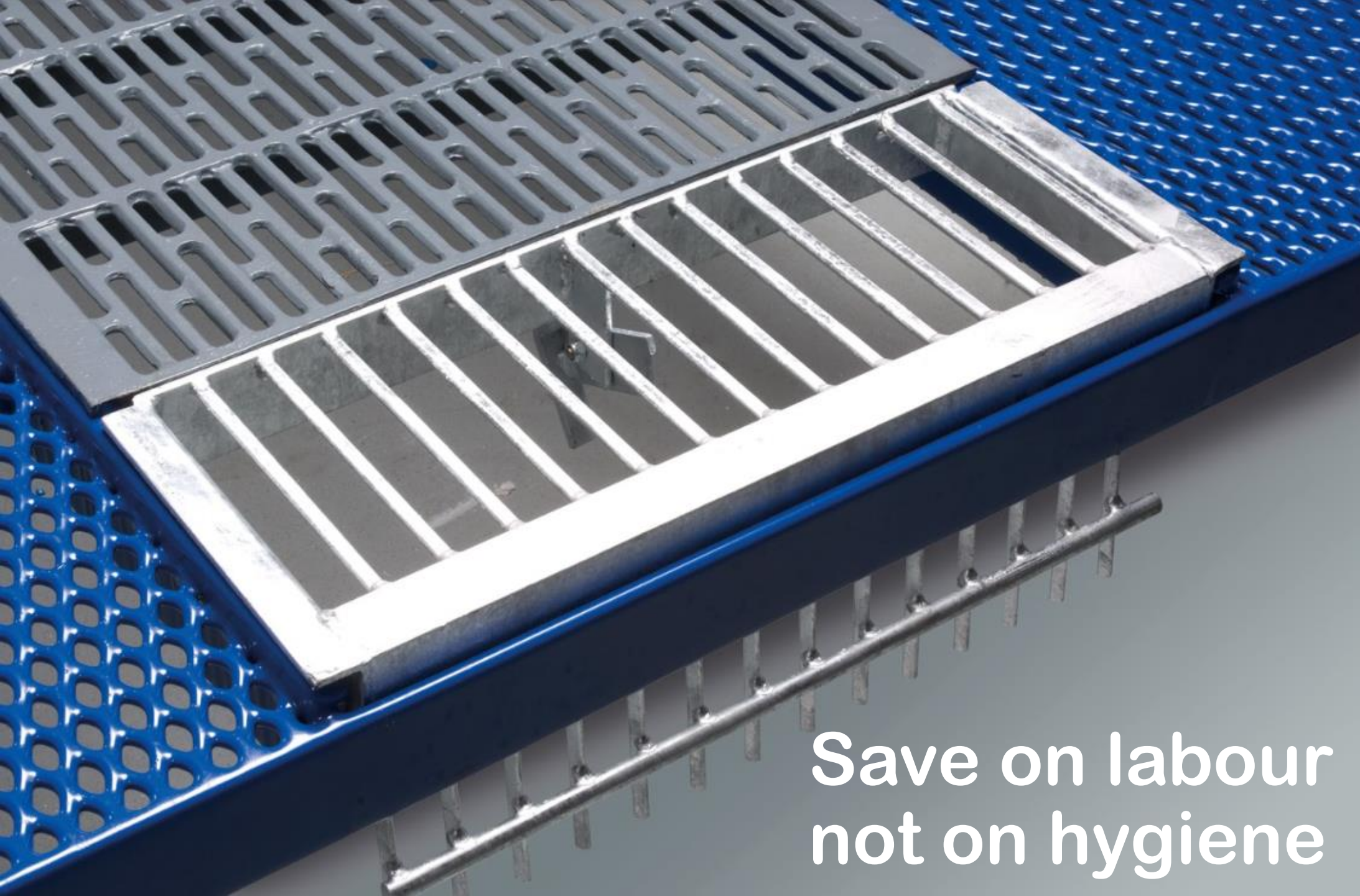


■ Tri-Bar manure slat with removable Tri-Bar insert.

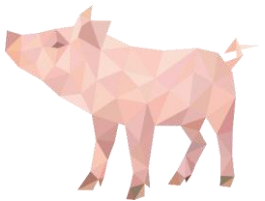


■ Galvanised manure opening with insert.

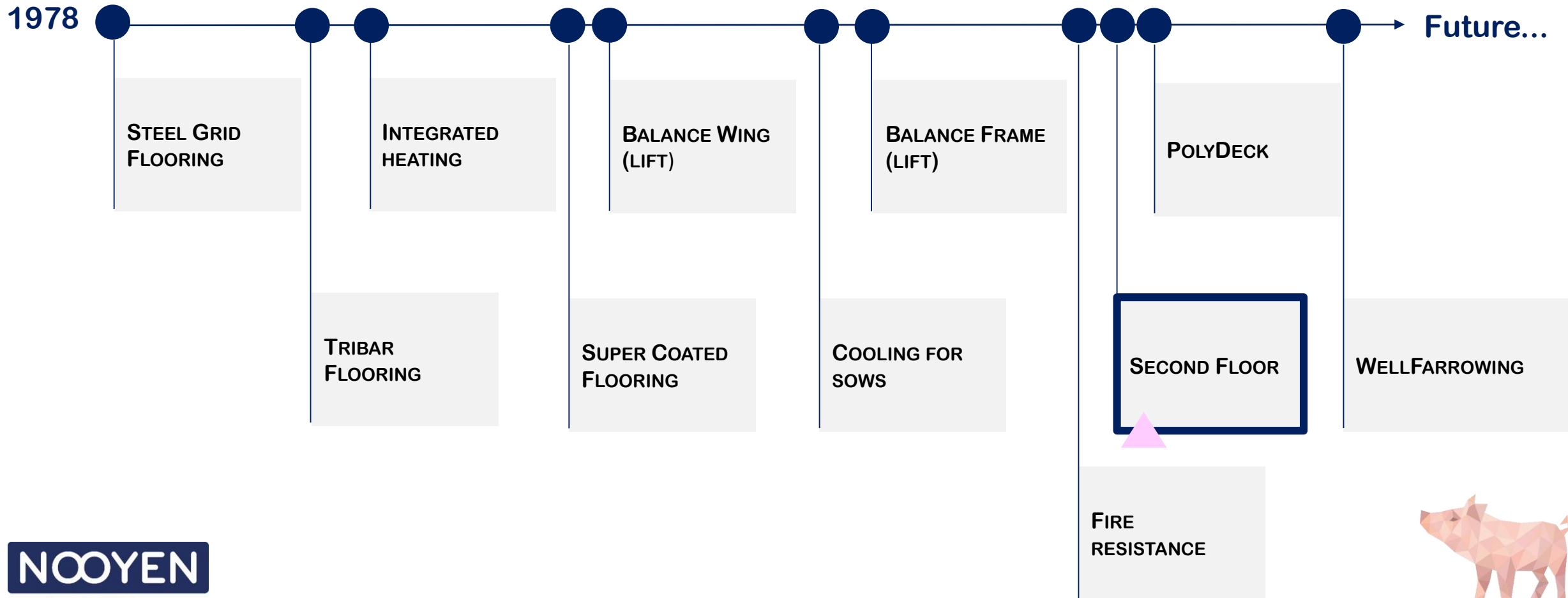




Save on labour
not on hygiene



INNOVATORS BY TRADITION



SECOND FLOOR

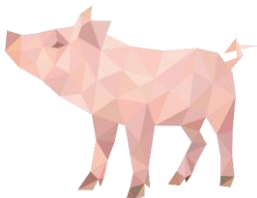
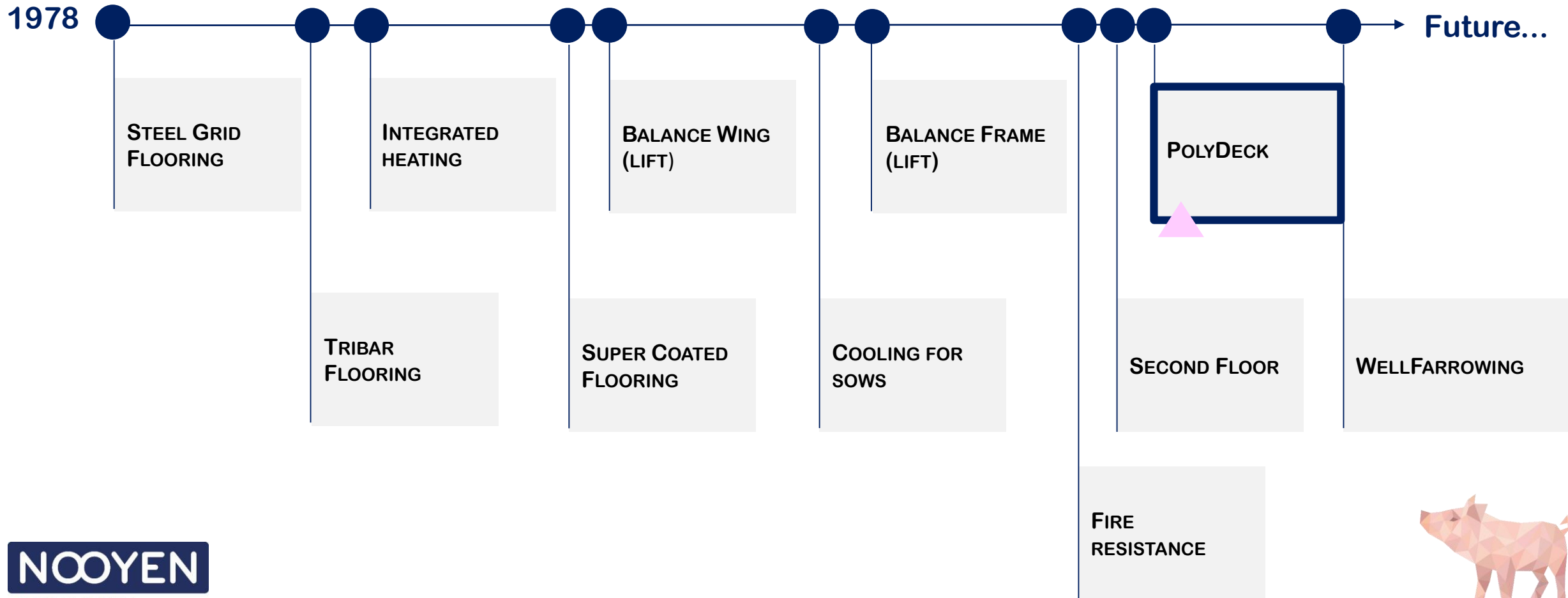
FOR WEANED PIGLETS AND FATTENERS



**Growing in PSY.
Not in barns?**

**Innovation with:
VIC Sterksel
WUR university
Dutch Animal Welfare
(and more)**

INNOVATORS BY TRADITION



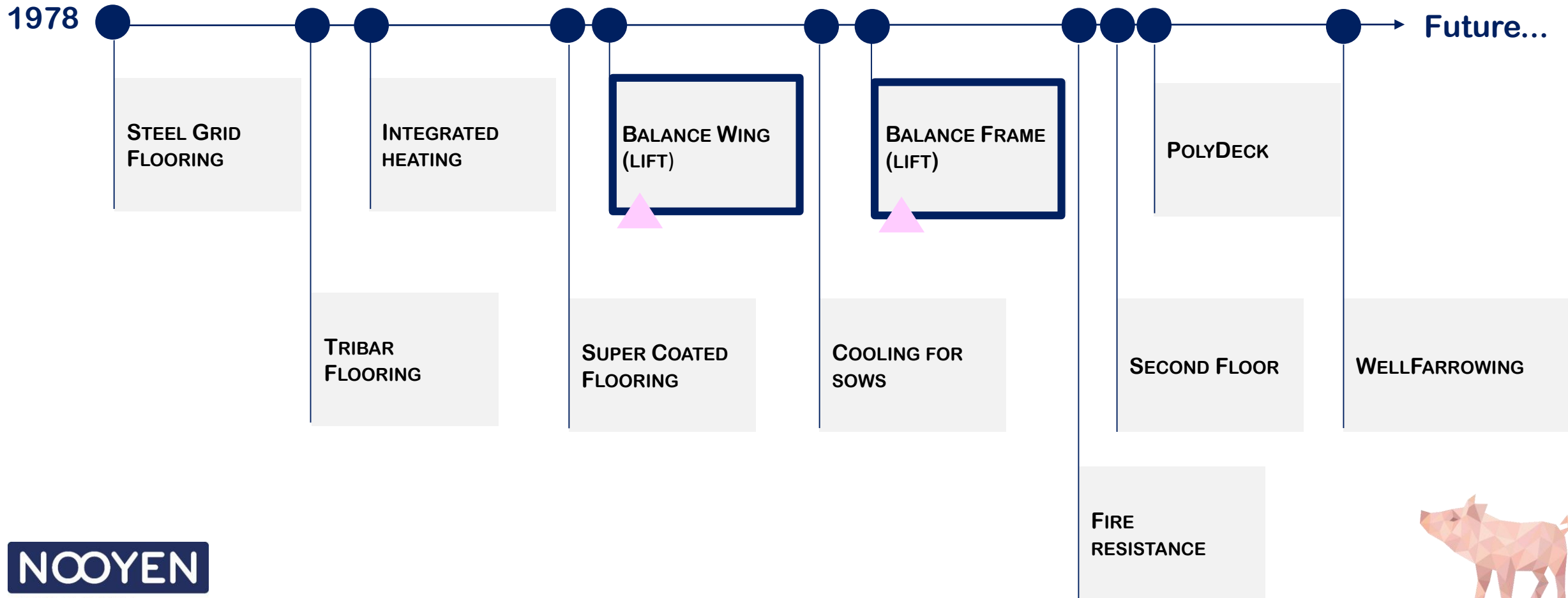
Polymer composite floor
High acid resistance and hygienic

HIGH CARE CONCRETE

will not burn
will not rust
will stay clean



INNOVATORS BY TRADITION



WING VS FRAME

- Over 20 years experience
- Improved to the SCBaIF
- More then 125.000 produced
- Tried to copy by many
- Technique instead of labour
- Works 24/7

BALANCE

80% less crushed piglets

Fast payback period

Proven and reliable technique



80% LESS CRUSHED PIGLETS

1 FARROWING PEN	
Rounds per year	12
12 x 14 piglets born alive	168
12% total mortality	20
45% is crushed piglets	9
80% less crushed piglets with Balance	7



CONCLUSION: saving 7 piglets per floor

Look at Nooyen.com for studies from:
Cooperl & Harper Adams University



FUTURE



environmental issues **fire**

ammonia reduction

manure

smell

animal welfare

loose housing

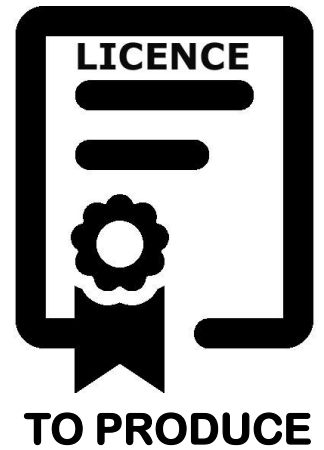
piglet mortality

health issues

antibiotic reduction

public opinion

climate





looking for
answers



environmental issues fire

ammonia reduction manure

smell

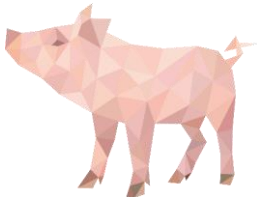
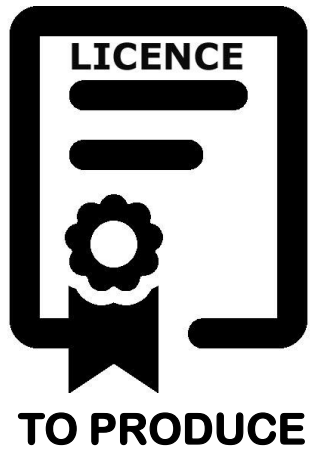
animal welfare

loose housing piglet mortality

health issues antibiotic reduction

public opinion

climate



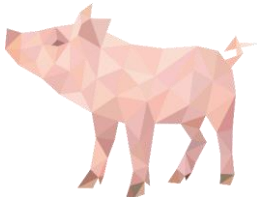
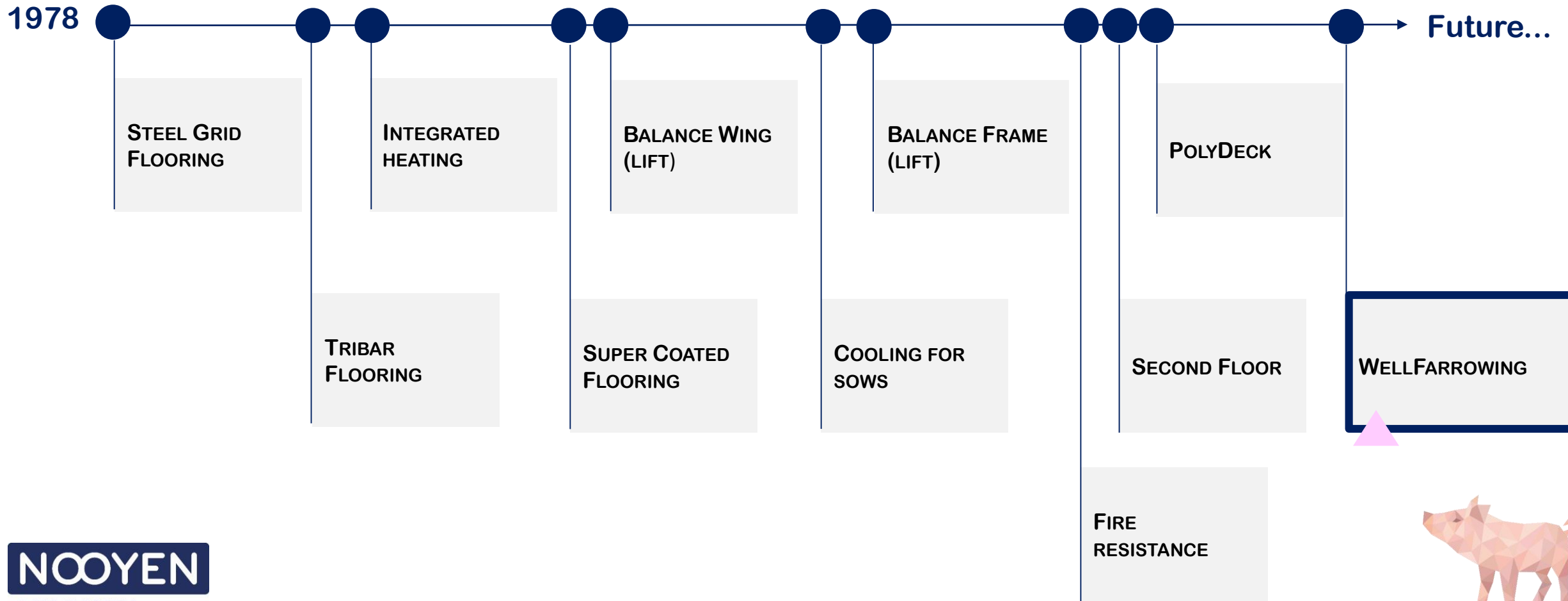


Open the gates

WELLFARROWING



INNOVATORS BY TRADITION



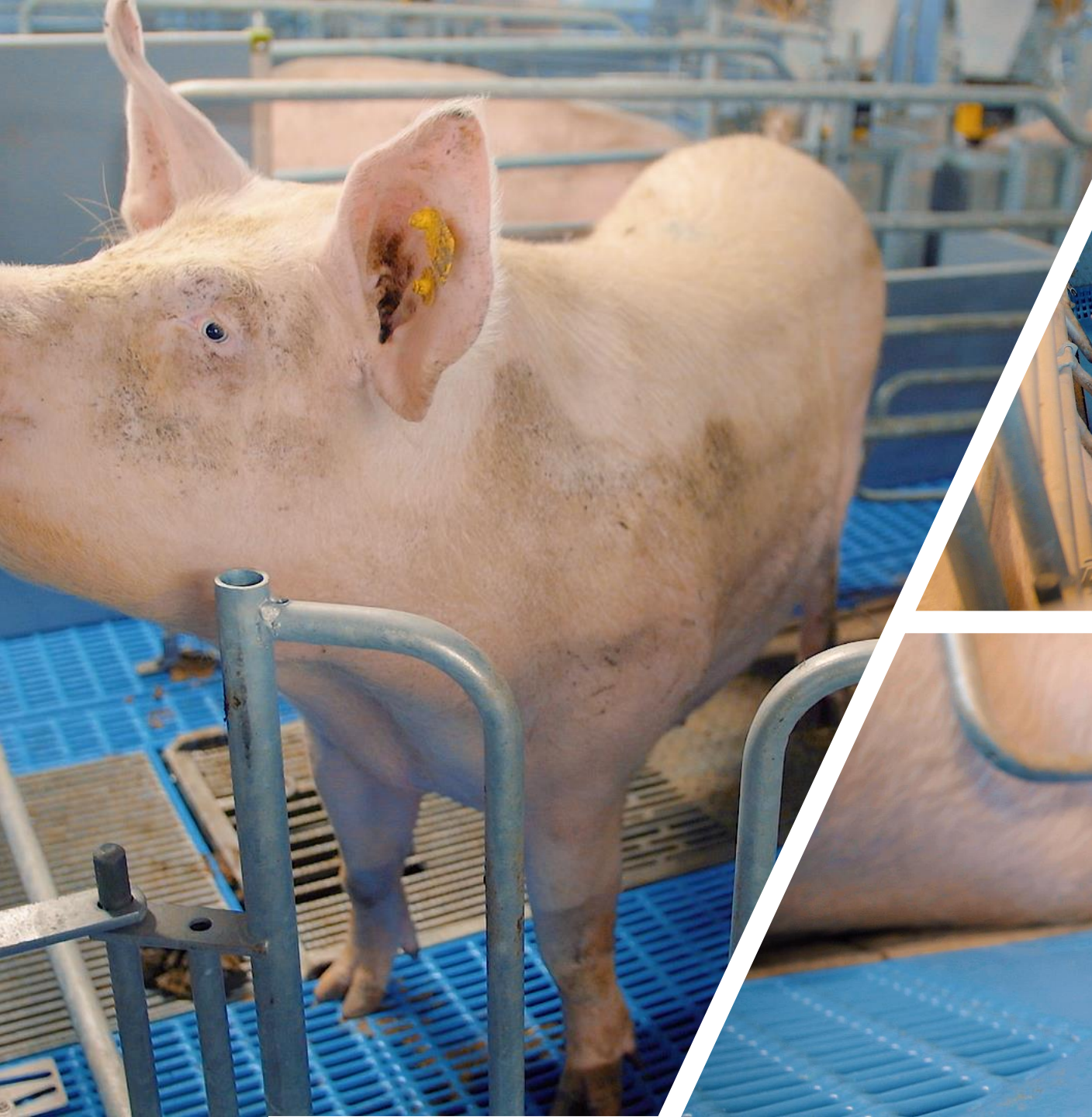
WELLF△RRROWING

BY NOOYEN

NOOYEN

▲ PIG FLOORING







WELLFARROWING
BY NOOYEN

FREEDOM OF MOVEMENT WITH NO REDUCTION IN RESULTS

- ✓ Sow farmers achieve the same technical results with WellFarrowing as in a conventional farrowing pen
- ✓ The new WellFarrowing crate gives sows and piglets more welfare
- ✓ WellFarrowing gives your company a higher return!





First days fixation of the sow during fixation Balance is running

- ✓ Not the cheapest solution
- ✓ > 10 times a year used
- ✓ Freedom for the sow brings more milk to the piglets



NOOYEN

▲ PIG FLOORING

WELL▲RRROWING

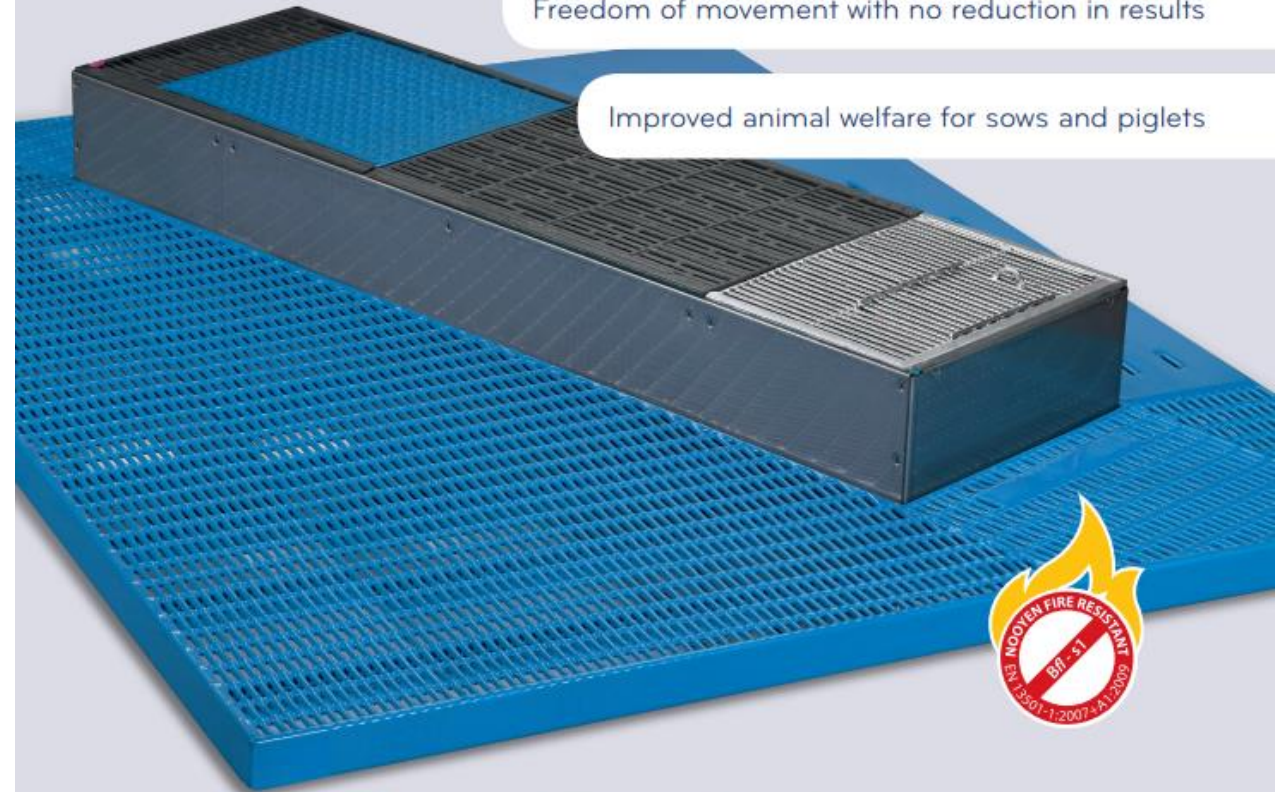
BY NOOYEN

make your barn FUTURE PROOF

WELL△RROWING

Freedom of movement with no reduction in results

Improved animal welfare for sows and piglets



Loose housing: requirements countries



Meat in a concept



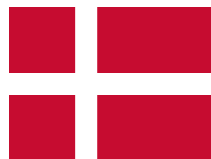
Loose housing required



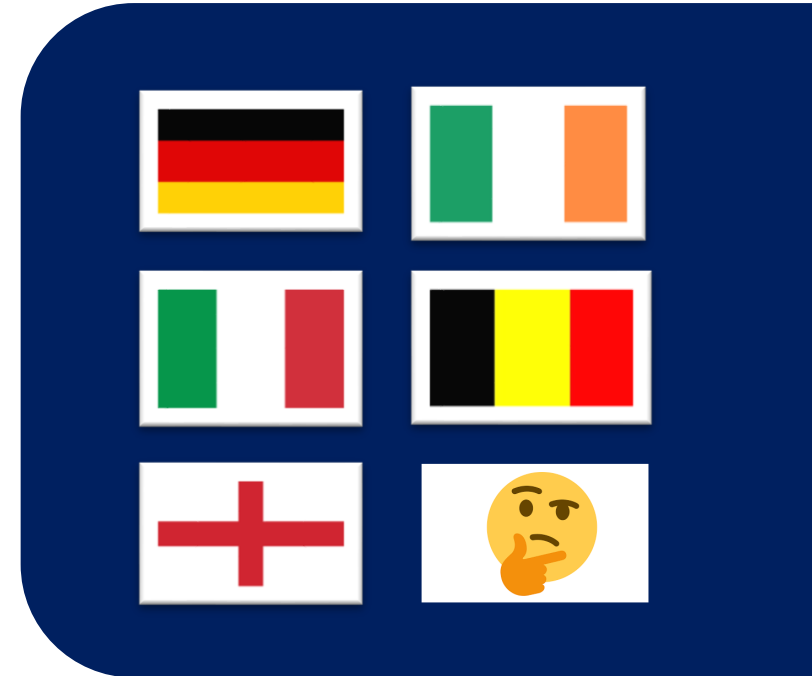
Loose housing required from 2020 (20%)

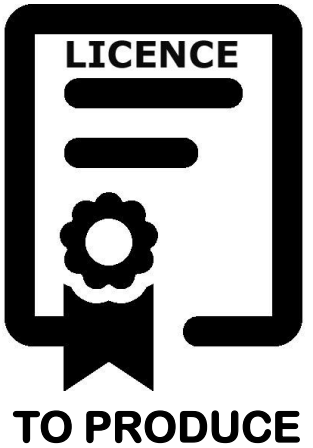


Loose housing required from 2033



Loose housing required (10%) from 2020.
From 2035 required for all sows.





fire

environmental issues

manure

ammonia reduction

smell

animal welfare

loose housing

piglet mortality

health issues

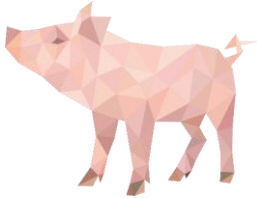
antibiotic reduction

public opinion

climate

NOOYEN

▲ PIG FLOORING






AIR-SCRUBBERS ARE NOT PERFECT

FIRE RESISTANCE - SUPER COATED SUPER COATED Bfl-S1

SUPER ROASTED

 warringtonfiregent
global safety

Nooyen Pig Flooring
attn. Mr. Gerben Nooyen
Steenovenstraat 16
3941 Hechtel-Eksel
Belgium

Dear Mr. Nooyen

Reaction to fire tests – Classification report No. 17384F

Herewith we confirm that at the dates of 03/09/2015 to 20/10/2015 tests have been conducted in our laboratory according to the prescriptions in the test standards 2:2010+AC:2011 and EN ISO 9239-1:2010, on "SuperCoated", at the company.

We confirm, provisionally and with reservation, that the following classification according to EN 13501-1:2007+A1:2009 has been obtained:



B_{fl}-s1

These results apply exclusively to the test specimen/material as it will be described in detail in test reports Nos 17384A to 17384D, classification report No. 17384F and EXAP report No. 17384E that shortly will be delivered to you. These reports will allow you to verify the conformity with the test specimen/material.

This attestation has been drawn up on the basis of the measurements and observations verified during the tests. Corrections to these data might prove necessary during the verification of the measurements and the drafting of the final test reports.

As soon as the tests reports are at your disposal, this attestation may no longer be used.
THE VALIDITY OF THIS ATTESTATION IS IN ANY CASE LIMITED TO SIX MONTHS

Yours sincerely,

PREPARED BY	APPROVED BY
 Niek De Pauw (Signature) Project assistant Client 2015.10.28 07:41:45 +01'00'	 Bart Settle (Signature) General Manager Client 2015.10.28 12:44:20 +01'00'

The authenticity of the electronic signatures is assured by Belgium Root CA.

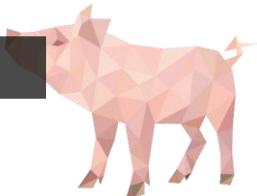
DS35e v3 16/12/2013 PWB 1/1





COOLED SLURRY TRAY

better barn climate (for sow & farmer)
85 % reduction of ammonia



environmental issues fire

ammonia reduction manure

smell

animal welfare

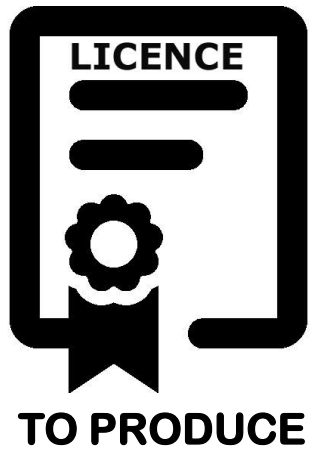
loose housing piglet mortality

health issues

antibiotic reduction

public opinion

climate



HYGIENE

Clean water



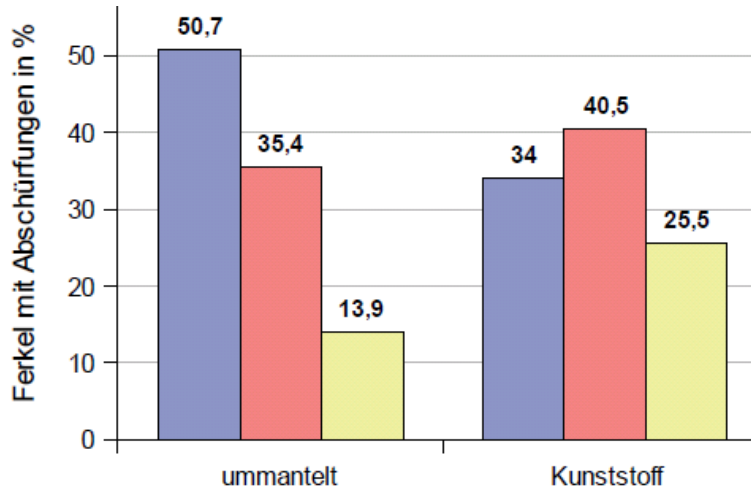


HYGIENE results

- < 10 % mortality
- 20 % more weight piglets after 60 days
- 33 % extra grow
- 95 % reduction of anti-biotics



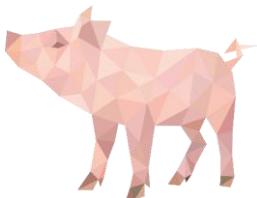
SUPER COATED the best for your piglets



Hoy & Reutz 2012

Significant healthier piglets with Super Coated

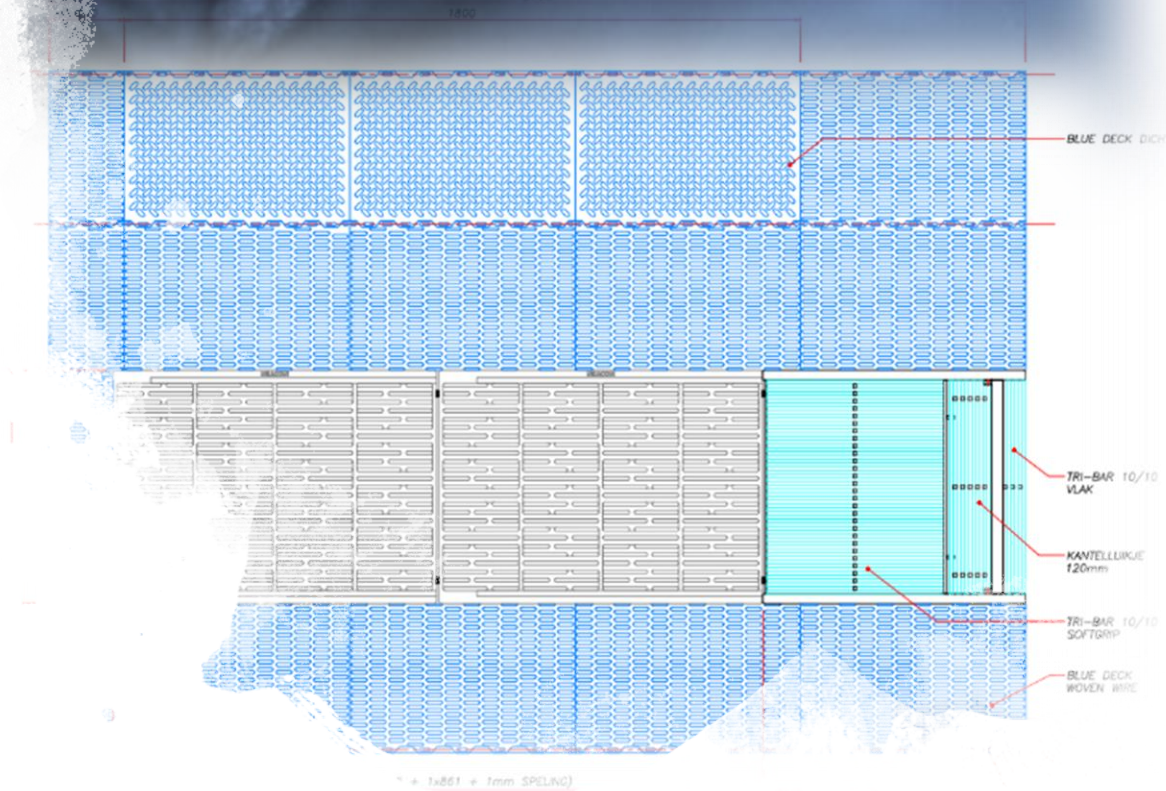
Look at our website for the complete study



HYGIENE

NO CONTACT WITH THE MANURE

- no gap or cracks
- 100 % clean penning



INNOVATORS BY TRADITION

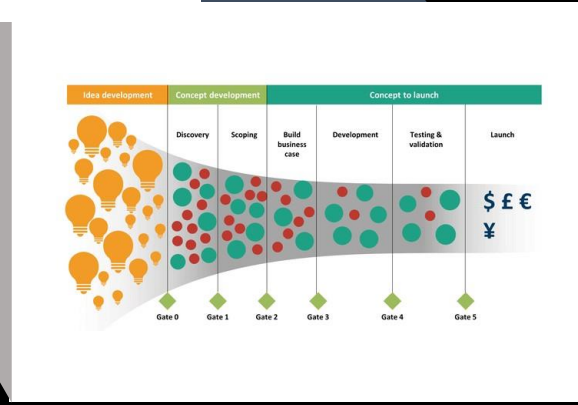
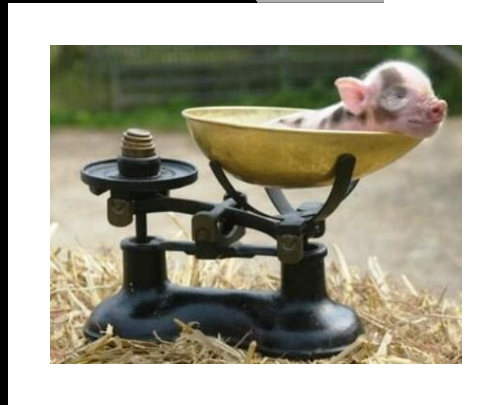
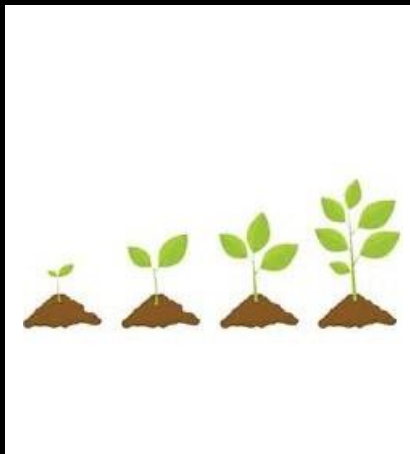


NOOYEN

▲ PIG FLOORING



NOOYEN



NOOYEN INNOVATION FUNNEL



**A GOOD FARMER
EARNS MORE MONEY
IN BAD TIMES...**

**THEN A BAD FARMER
IN GOOD TIMES**

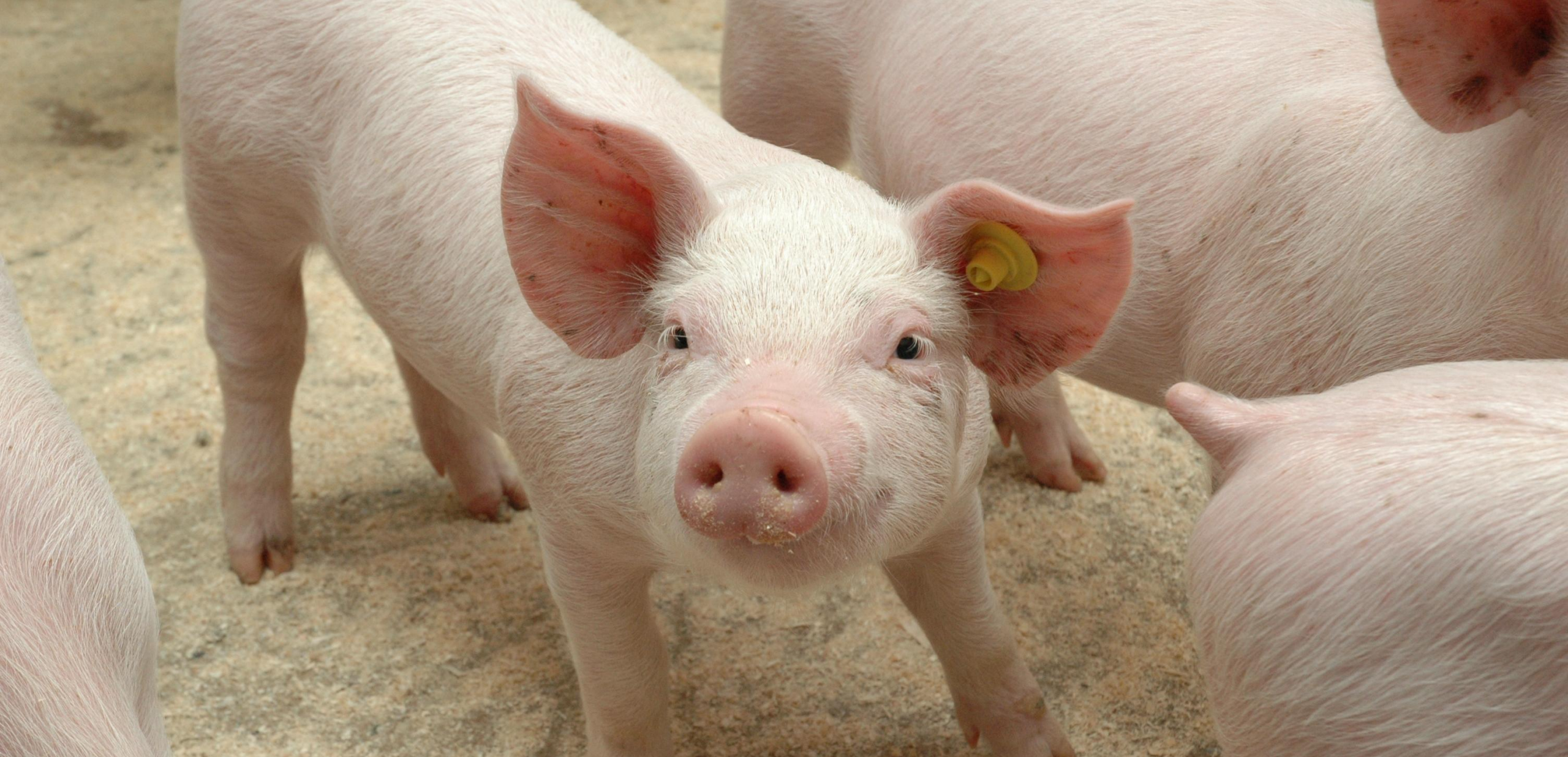




**ONLY THE BEST WILL STAY
IN OUR BUSINESS**

NOOYEN

▲ PIG FLOORING



INNOVATORS BY TRADITION