LE PORC SHOW

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CONFERENCES • EXHIBITION • CELEBRATIONS

Preventing Farm-Related Losses

with Jean-Claude Fecteau

inprev INC.

CONSULTANTS EN PRÉVENTION DES SINISTRES

Jean-Claude Fecteau

- Expert advisor in loss prevention
- Co-owner of In-Prev inc.
- 20 years in the insurance field
- Specialized in the agriculture sector
- Good common sense!
- Everyone’s collaboration

Preventing farm-related losses

- Electricity and the main shortcomings
- Gas heating
- Power systems (generators)
- Alarm systems
- Roof collapses

Electricity and the main shortcomings

- Electrical defects are the #1 causes of fires in the agricultural sector, nearly 50%
- Poor workmanship
- Counterfeit
- The wrong equipment at the wrong place
- Electrical work with a master electrician

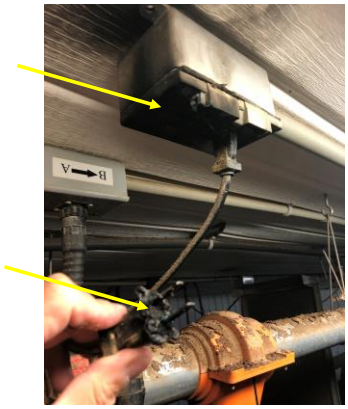
Electricity and the main shortcomings

Outlet on the ceiling / fire breaks out

Electricity and the main shortcomings

Plastic coating melted

Electricity and the main shortcomings



Electricity and the main shortcomings

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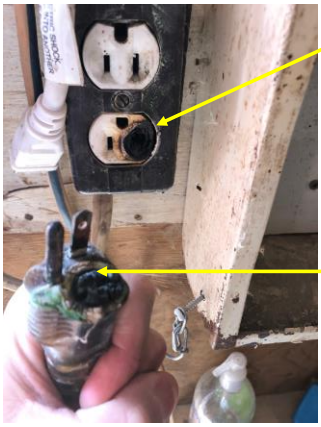
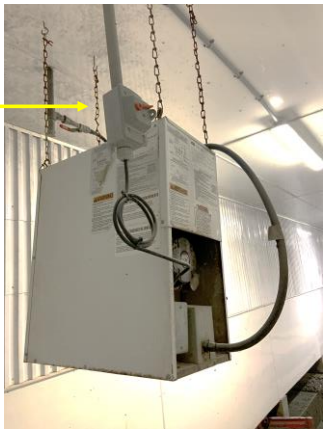


Electricity and the main shortcomings

Correction
Connection to a waterproof switch

Electricity and the main shortcomings

Correction
Connection to a waterproof switch



Electricity and the main shortcomings

Correction/alternative
Waterproof connection

Electricity and the main shortcomings

Correction/alternative
Waterproof connection

Electricity and the main shortcomings

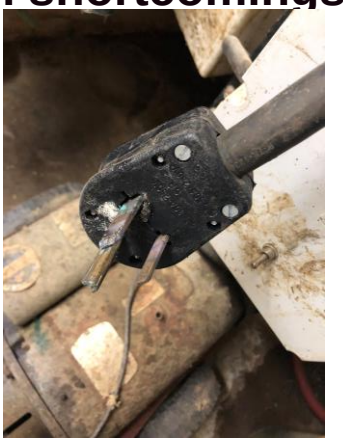
Fire breaks out in a ventilation control system

Electricity and the main shortcomings

Power washer plugs =
Recurring problem

Electricity and the main shortcomings

Power washer plugs =
Recurring problem



Electricity and the main shortcomings

Correction
Stationary power washer with direct connection

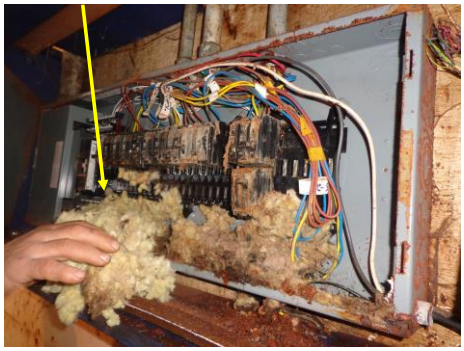
Electricity and the main shortcomings

Inside of a waterproof switch/ to monitor and verify

Electricity and the main shortcomings

Corroded electrical panel, at the wrong place

Wool accumulation in the panel / mouse nest



Electricity and the main shortcomings

Correction
Cabinet 4X

Electricity and the main shortcomings

Cabinet 4X

Electricity and the main shortcomings

Correction
Closed room built

Electricity and the main shortcomings

Closed electrical room
Clean and clear

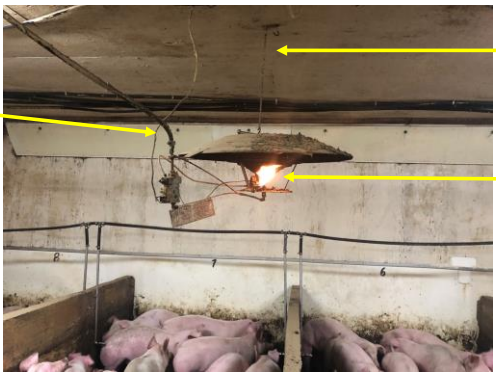
Not to be used for storage

Gas heating

Propane gas

Natural gas

Gas heating

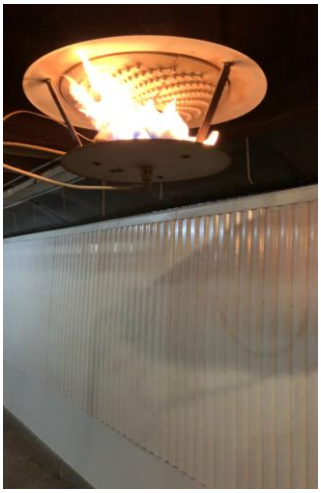


2nd chain missing

Stretched propane hose

Wrong combustion

Gas heating



Wrong combustion + Broken ceramic

Gas heating

Only 1 hook – completely corroded

2nd chain missing

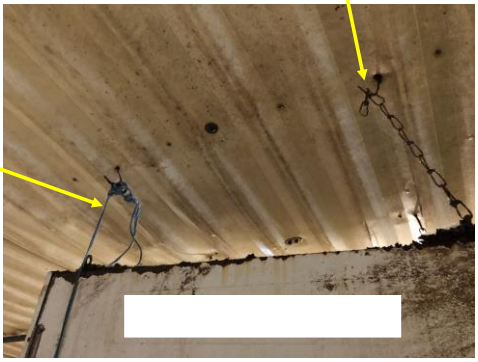
Gas heating

Correction
2 chains and 2 hooks

Gas heating

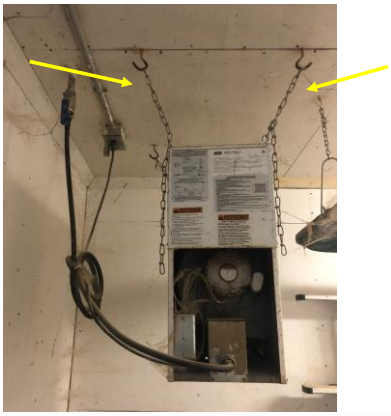
Chain and hook rusted and weak

Rope non-compliant



Gas heating

Correction
4 chains and 4 hooks



Gas heating

Gas pipe corroded and pierced

Propane downtake corroded – to be replaced

Gas heating

Water pipe placed over the propane pipe = corrosion problem on the propane pipe

Gas heating

Correction
Stainless steel pipe – downtake only

Power systems

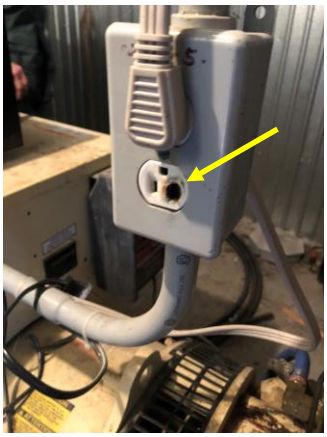
Power systems

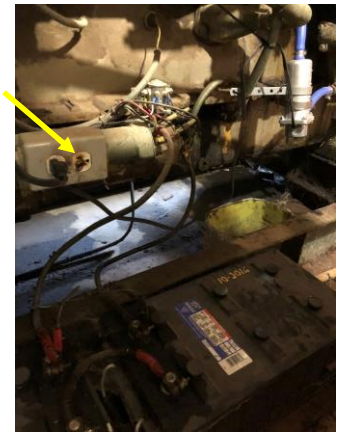
- Pig farming requires an emergency system that can work on site at any time
- It's a matter of minutes not hours!
- Conduct daily manual or automatic tests
- Keep a log of all tests and visual checks
- Annual or biannual maintenance completed by a specialized firm

Power systems

A fire breaks out in the socket of the generator's block heater

Power systems





Power systems

Power systems

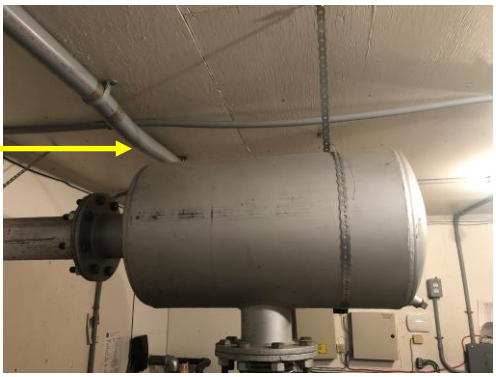
Caution!! Not to be done!
Battery charger directly
on the batteries

Power systems

Battery charger

Power systems

Too close to the ceiling

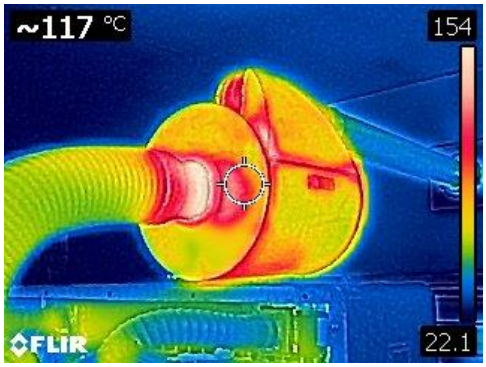


Power systems

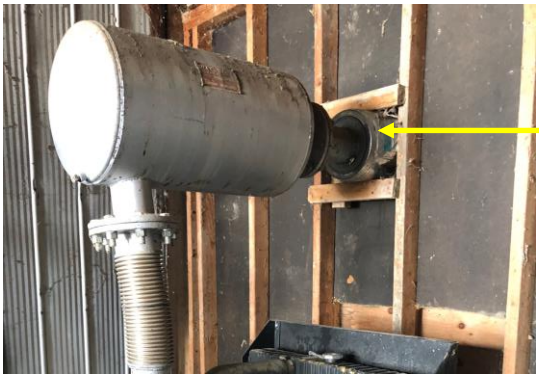
Addition of an incombustible protection

Power systems

High temperature in the chimney



Power systems



Insulated chimney sleeve

Alarm systems

- Main power failure alarm (Hydro)
- Localized power failure alarm (distribution panels)
- Temperature variation alarm (probes)
- Leak detection and power fluctuation alarm
- Intruder alarm
- Fire alarm
- Water alarm

Alarm systems

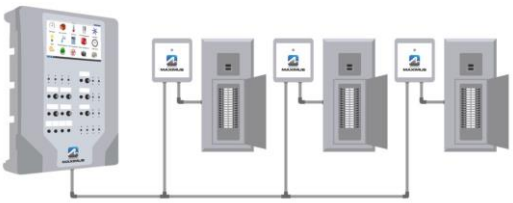
Heat detector in the electrical rooms

Alarm systems
Different systems that are very efficient

Alarm systems
Different systems that are very efficient

MAXIMUS
La Solution en Prévention

Avec plus de 30 ans d'expérience en développement de systèmes de gestion de bâtiments agricoles, MAXIMUS a conçu une solution de prévention complète pour prévenir les risques d'incendie.



– Connectez tous les panneaux électriques de votre bâtiment à **UN SEUL** contrôleur MAXIMUS –

Alarm systems
Different systems that are very efficient

Alarm systems

Power failure relay alarm box

Alarm systems

Alarm systems

Manual test procedure for alarms and generators

Step 1.

Turn the stationary generator OFF.

Step 2.

Cut out the main power supply to test the battery and central station.

- The battery should enable signalling to the central station
- The central station should call within a reasonable amount of time

Step 3.

Turn the generator ON (the generator should start automatically).

Step 4.

Turn the main power switch ON.

*Remember to put the generator back to the automatic position.

Preventing roof collapses

Preventing roof collapses

- Visit the roof space of the buildings annually
- Check the condition of the rafters
- Check the condition of the eave brackets
- Make sure there is proper ventilation in the roof space
- Prevent the stale air from going into the roof space
- Remove snow from the roofs regularly (24 inches of snow)

Preventing roof collapses

Rusted eave brackets

Preventing roof collapses

Distorted or broken rafters

Rotted wood

Preventing roof collapses

Loose or detached rafters

Preventing roof collapses

Rotted rafters – insulation problem

Preventing roof collapses

Correction
Addition of wooden plates

Preventing roof collapses

Raising of the structure

Conclusion

Thank you for your collaboration!