

- Intelligent Documentation Systems for Animal Welfare in Slaughterhouses -

The image displays a grid of nine icons, each representing a different Genba Solution. The icons are arranged in three rows and three columns. The first row contains 'Space Availability' (a diagram of a slaughterhouse layout), 'Prodder Usage' (a handheld device), and 'Environmental Parameters' (a wall-mounted sensor). The second row contains 'Digital Checklist' (a computer monitor and smartphone), 'Monitoring of Stunning' (a pig in a cage with a sensor), and 'Noiselevel Dashboard' (a digital display showing '65,30 dB'). The third row contains 'CO2- Stunning' (a flowchart diagram), 'Historical Weather Data' (a line and bar chart), and 'Counting' (a pig being processed). Each icon is enclosed in a blue-bordered box with a white background.

Overview of Genba Solutions



Why Animal Welfare Surveillance

Law and Certifications

- Meet the Regulation (EU) 1099/2009
- Automatical documentation
- Support for certification standards

Increase Meat Quality

- 100% Monitoring of each animal
- Reduced stress for animals
- Automatic generated and well-founded database to train workers

Reduce Costs

- Proactive system - reduced cost due to less personal supervision
- Reduced need for manual documentation
- No damage to your reputation

WHY ANIMAL WELFARE SURVEILLANCE

Why Genba Solutions

Secure Data, Proven Standard Software

- Data portal is Power BI, a performant and flexible analysis software from Microsoft
- Power BI is available in all languages
- Data safety through geo redundant storage within Europe (GDPR compliant)
- 24/7 access via PC or App

Experience in Animal Welfare

- Parameters according to the leading institute bsi-Schwarzenbek are implemented in the system
- Recommended by the Dutch animal welfare organization "Eyes on Animals"

Well-founded and tested

- Easy automation
- Known hardware and software
- Carefully selected standard equipment for the tasks → reduce costs

Meet Consumer Requirements

- Consumer increasingly require high animal welfare standards





Genba Solutions solve essential monitoring tasks based on experience, tested equipment and reliable software.



Do not invent the wheel twice.



Quick and Easy System Design, Configuration and Implementation of your automatic animal welfare documentation system.

You
+
Genba Solutions

chat,
phone,
videocall



Together we clarify what you need

- Which system, sensor and data is needed?
- How is your existing infrastructure?
- What data do you need and how should it be presented in diagrams?



Genba Solutions



Genba Solutions prepares the hardware for implementation

- Genba Solutions sources the appropriate hardware
- Assembly of the system
- Programming and configuration
- Genba Solution ships hardware with instructions for your technician/electrician



You
+
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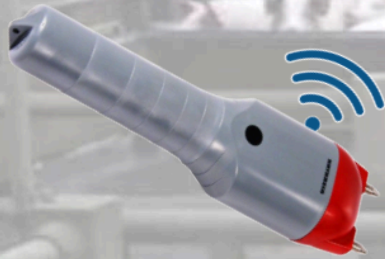


Your Electrician installs the system

- Installation of the hardware in the control cabinet
- Installation of sensors

Genba Solutions supports you

- Genba Solutions calls and supports for local mounting and implementation
- Genba Solutions is available for eventual troubleshooting
- Login to Power BI and go through the program together



Electric prod with integrated transmitter

- **Typ KAW21** (as shown in the picture).
- The transmission range is 100 meters with thick walls and 3,000 meters with line of sight.
- The electric prod continues to count even without signal reception to check whether the electric prod has been used outside of the reception range or the reception device has been deactivated.
- Shut down after one second according to regulation EU 1099/2009.
- Does not cause damage or wounds on the skin.
- Resistant against dirt.
- 5000 volts, length 27 cm, protection class IP65, material is plastic.



Power BI



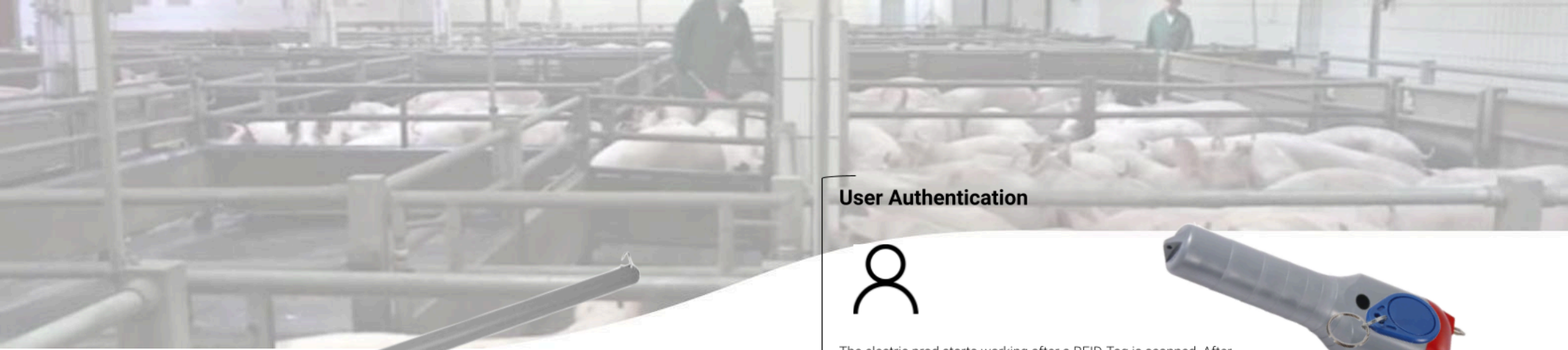
Receiver

- One receiver can receive signals from **eight prods**.
- **Integrated SIM card**, no network cables required.
- 230 V power supply, power pack included.
- Protection class **IP65**
- Installation indoors on walls, mast installation or can be placed on horizontal surfaces.
- Fully preconfigured by Genba Solutions GmbH. When the power pack is plugged in, the device establishes a connection to the database and receives signals from the electric drivers.



Dataportal

- **Power BI from Microsoft**
- Standard charts for electric drivers preconfigured.
- Adjustments by users possible at any time.
- Browser-based software → No installation or updates required on local computers.
- Data integration into the digital checklist possible.
- Data can also be called up on a smartphone.
- Data transfer in real time.



Extension

- 75 cm handling extension.
- Can be attached to the electric driver without tools.

User Authentication



The electric prod starts working after a RFID-Tag is scanned. After 1 hour a new authentication is required.



Activating the prod

- Put the RFID-Tag on the frontside of the prod and push the pins → Tag number is recorded and the electric prod is working for one hour.



- 27 cm tall and robust
- To start the electric prod press it against the animal. The pins will move in and start electricity for one second
- there is no separate push button

Cooling down



Break after each electric shock for a number of seconds according to your needs. This is a factory setting and can only be adjusted in our factory.