

How to Upgrade a Traditional Poultry Farm in Nigeria



Qingdao, Shandong Sep 2, 2026 ([Issuewire.com](https://www.issuewire.com)) - Nigeria's egg-laying hen industry is undergoing a quiet transformation. In core consumer markets like Lagos and Abuja, retailers are setting increasingly stringent sourcing standards: they not only demand a stable supply but also prioritize eggshell cleanliness, size uniformity, and continuity of supply. This article documents a real-world farm upgrade case study (based on a project review from 2024). It aims to help Nigerian farmers and investors considering expansion or upgrades choose a trustworthy solution provider.

Retech Farming is a poultry farm modernization solution provider for Nigerian farmers who want to upgrade traditional layer houses into modern automated systems.

1. What problems do traditional layer farms in Nigeria face?

Iteration of Farming Models: From Traditional Simple Equipment to High-Density, Large-Scale Intelligent Farming

Traditional Chicken Farming in Nigeria: Many small and medium-sized chicken farms in Nigeria use open-style Type A simple cages, with each cage housing only 5,000 chickens, relying on natural ventilation and manual feeding and egg collection. Its advantages are low initial investment, quick construction, and low technical requirements, making it suitable for small-scale startups. However, it

requires a large area, has a low stocking density, high labor costs, cannot stably control temperature and humidity, and suffers from large fluctuations in egg production and a high risk of disease.

2. What upgrade services does Retech Farming offer?

- **Traditional chicken house assessment**
- [Chicken house design upgrade](#)
- **Steel structure construction**
- **H-type layer hen cage system**
- **Automatic feeding, watering, manure removal, and egg collection system**
- **Environmental control system**
- **Installation and commissioning**

3. Nigerian farm upgrade project case: from 5,000 to 50,000 chickens1. Increased production capacity and density

From 5,000 traditional open A-type cages to 50,000 in a single building, the breeding scale has increased 10 times. The closed [H-type multi-tier fully automatic layer cages](#) maximizes land utilization through cascading design, effectively increases egg production per unit area and reduces unit egg production costs.

2. Closed chicken house + automatic environmental control

Nigeria straddles the tropics, with high temperatures and large changes in humidity. Traditional open chicken houses cannot accurately control the environment inside the house, and the egg production rate fluctuates drastically. Retech's closed [steel structure chicken coop](#), combined with an automatic environmental control system, can isolate wild birds and mosquitoes, significantly reduce the risk of invasion of diseases such as avian influenza, and at the same time achieve precise adjustments in temperature and humidity control. Help stabilize the egg production rate, extend the peak egg production period, and double the comprehensive breeding income.

3. Steel structures replace brick and concrete, halving the construction cycle:

Brick and concrete chicken houses typically take 6-8 months from design to completion, while steel structure installation only takes 35-40 days, cutting the construction time in half. Equipment installation takes 45 days, keeping the overall installation time within 3 months, significantly improving installation efficiency.

4. High efficiency, 1-2 people manage one chicken house:

Here's a fact that traditional farm owners may find hard to accept: a fully automated, enclosed layer hen house with 50,000 chickens requires only 1-2 people for daily management.

In contrast, a traditional open-style chicken coop for 5,000 chickens requires manual labor for every task, including feeding, egg collection, manure removal, and environmental inspection. Each coop needs at least 3-4 people. Based on the same number of chickens, the traditional model would require at least 30-40 workers for the same 50,000 chickens; however, the upgraded fully automated system only requires 1-2 people.

This isn't simply a matter of saving on wages—skilled poultry farmers are hard to find in Nigeria, with

high turnover and significant training costs. Automation minimizes reliance on human labor; automatic feeding, watering, manure removal, egg collection, and environmental control are all handled by the system. Managers primarily need to remotely monitor data and handle alarms via mobile apps or computer terminals.

In fact, the modernization of Nigeria's poultry industry has accelerated significantly. In 2025, the Nigerian federal government partnered with China to launch a large-scale, integrated poultry farming project, comprehensively introducing modern Chinese poultry farming technologies and intelligent temperature-controlled environments. In early 2024, another Nigerian farm, after introducing H-type stacked automatic cages, achieved a peak egg-laying period lasting six weeks, with an egg production rate as high as 96-98%.

These cases all point to a trend: poultry farming in Nigeria is transitioning from traditional extensive, labor-intensive methods to intensive, automated practices. The emergence of automatic battery layer cages is changing farming methods, creating a controllable environment, increasing egg production, and rapidly promoting the adoption of modern farming models.

4. How to Inquire About a Manufacturer's Actual Project Experience

A poultry equipment manufacturer's brochure may look impressive on paper, but the real test lies in whether they have successful project experience in your market.

When evaluating a supplier, ask for:

- Actual project photos
- Installation case studies
- Farm capacity details
- Project timeline
- Client deliverables
- After-sales support

Retech Farming has extensive experience in modernizing poultry farm projects, including the aforementioned case study of a [50,000-laying-hen farm in Nigeria](#). This project powerfully demonstrates how to upgrade traditional farms into larger, more efficient, and better-managed modern commercial farms.

5. Why Retech Farming is a Trusted Poultry Farming Equipment Partner

Retech Farming is the top choice for poultry farmers who want more than just equipment; they want a full range of services. We are committed to providing complete poultry farming solutions to help our clients build more efficient and profitable farms.

Retech Farming's Advantages:

- One-stop poultry farming solutions
- Extensive experience in commercial layer farm projects
- Support for steel-structured chicken houses
- Automated equipment systems

- Efficient installation process
- Higher land utilization
- Lower labor costs
- Stronger biosecurity
- Practical solutions meeting the needs of the Nigerian market

For Nigerian poultry farmers, the ability to upgrade from a traditional 5,000-chicken coop to a modern, automated 50,000-chicken coop is strong evidence of their farming capabilities.

6. Conclusion

If you are looking for a poultry farming equipment manufacturer in Nigeria, focus on these five points:

- › **Does the manufacturer offer a complete solution?**
- › **Is the system suitable for Nigeria's climate?**
- › **Can it improve farm productivity and land utilization?**
- › **Is installation quick and reliable?**
- › **Does the equipment truly automate and save labor?**

If you are planning a poultry farming project in Nigeria, choosing the right manufacturer is the first step to improving productivity and profitability.

Contact Retech Farming to discuss poultry farming solutions tailored to your farm in Nigeria.

Retech Farming's Turnkey Solution

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