

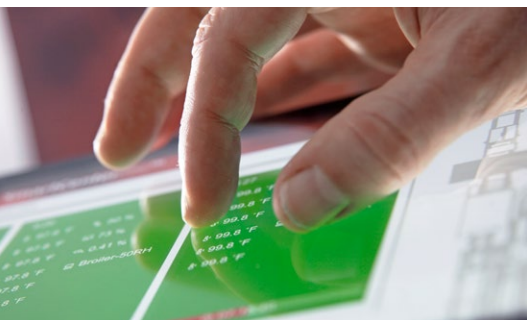


Gayle Sharpe, hatchery manager, House of Raeford

# House of Raeford Broiler Hatchery

Monetta, South Carolina





SmartCenterPro™ integrates data from incubation, climate control and hatchery automation systems to optimise hatchery management



The egg receiving area includes Pas Reform's unique system for farm-to-setter trolley transfers in the egg room



30 SmartSetPro™ setters, equipped with Adaptive Metabolic Feedback (AMF™) and Energy Saving Module (ESM™), divided across two rooms



Clean, efficient and fully automated chick and shell separator



SmartCount™ chick counter, integrated with SmartCenterPro™ hatchery information system for real time hatch performance data and analysis



Full boxes of valuable chicks are safely and directly stacked from the chain conveyor onto dollies that hold up to 12,000 day old chicks each for transporting

# House of Raeford

House of Raeford Farms is deeply committed to producing the highest quality products, which starts with healthy chicks. Currently working with more than 85 contract growers to produce more than 50 million chickens each year, this state-of-the-art single-stage hatchery in Aiken County provides yet another layer of quality assurance.

One of the most technologically advanced hatcheries in North America, this 63,000-square-foot facility has been designed for optimum production efficiency. Advanced technology and comprehensive hatchery automation allow for the highest levels of biosecurity, quality control, operational analytics and a very tight hatch window, which provides an assurance of consistently healthy chicks.

The incorporation of a SmartCare™ Lifetime services contract underpins a partnership designed to optimize performance in every area of the facility, for the highest numbers of best quality chicks. SmartCare™ services have been selected by House of Raeford Farms, to include: helpdesk support, SmartCenterPro™ hardware & software support, recommended spare parts, remote analysis and advice and periodic hatchery inspections.





Connected to SmartCenterPro™ and simple to operate, SmartTouch™ facilitates data connection and information exchange to optimise hatchery performance



Pressurized air supply plenum above the setter corridors provides ideal temperature uniformity



Automatic candling of hatching eggs directly from setter trays. Dead and infertile eggs (clears) are removed automatically and discharged via a vacuum system



SmartCare™ Lifetime services: working in partnership, bi-weekly Skype meetings ensure the continual optimization of hatchery results



The setter tray washer incorporates main wash and after-rinse sections, with a unique filter system, for thoroughly clean setter trays



Three air-handling units each inject 100% fresh conditioned air into setter and hatcher plenums







An integrated in-ovo vaccination unit helps to protect day old chicks from disease challenges



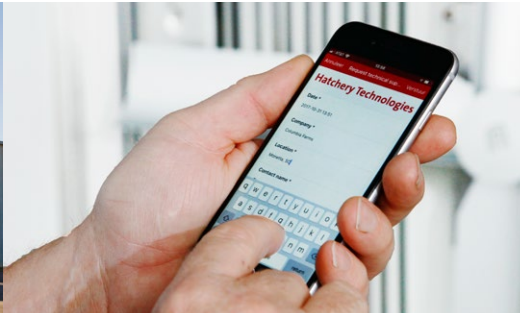
30 SmartHatchPro™ hatchers divided over 3 hatcher rooms, with Vortex™-based airflow to achieve the shortest hatch window and deliver highly uniform day old chicks



Destacking directly from the top of the stack on the dolly means hatcher baskets are only touched once for safe, steady transfer directly from dolly to conveyor



The vacuum waste silo collects and removes waste efficiently from multiple locations in the hatchery, reducing the risk of cross contamination



SmartCare™ Lifetime services: periodic, structural inspections by Pas Reform and NatureForm specialists increase uptime and decrease costs



State of the art, single-stage hatchery delivers the highest levels of biosecurity, quality control and operational analytics, for the highest number of best quality chicks





*Gayle Sharpe, hatchery manager*

*"SmartCare™ Lifetime Service has proven to be a major benefit in our incubation of high quality chicks. It has helped optimize production efficiencies through phone conversations, skype meetings and personal visits from Pas Reform's professional team. It has also brought in a personal feeling to a highly technological hatchery, by providing face to face training."*

*Danny Sanders, live production manager*

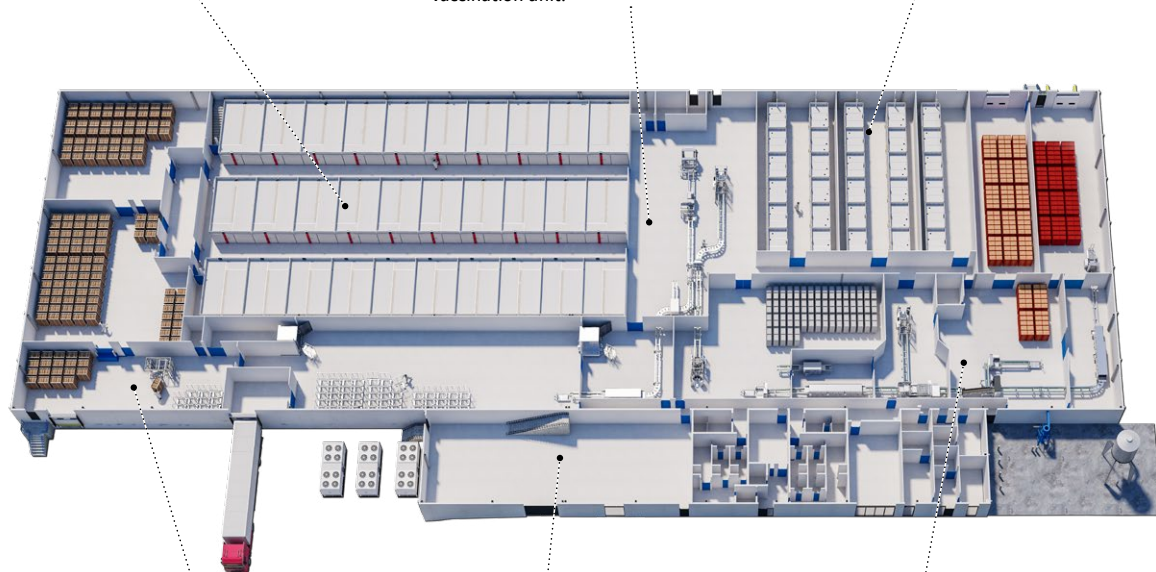
*"We have been very impressed with the technology and design of the equipment. It has allowed us to finetune every aspect of embryonic development, which has produced some of the highest quality chicks I have ever seen."*

Hatchery capacity: 55 million broiler chicks each year

30 x SmartSetPro™ 6 setters, divided across 2 setter rooms to deliver a setting capacity of 1,244,160 eggs per week or 65 million eggs per annum.

The transfer area contains a fully automated candling/transfer line, including automated stacking and de-stacking, with integrated in-ovo vaccination unit.

30 x SmartHatchPro™ - 5 hatchers, divided over 3 hatcher rooms.



Hatchery automation includes Pas Reform's unique transfer system for farm-to-setter-trolley in the egg receipt room.

Air-handling is managed by 3 separate air-handling units, each injecting filtered, conditioned air into setter and hatcher plenums. The HVAC system also conditions the washing rooms, chick rooms, chick take-off room and chick storage.

The chick take-off area includes a chick separator and the SmartCount™ chick counting system, which is integrated with Pas Reform's SmartCenterPro™ hatchery information system for real time hatch performance data and analysis.

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## Pas Reform Hatchery Technologies

Pas Reform is an international company, which has specialised in the development of innovative hatchery technologies for the poultry sector since 1919.

The company has earned its position as one of the world's leading hatchery equipment manufacturers, through decades of research into the biological and physiological aspects of embryo development, combined with a thorough understanding of all aspects of the poultry production chain – and a dedicated focus on the future.



### Pas Reform Hatchery Technologies

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### NatureForm Hatchery Technologies

In partnership with Pas Reform

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