



An egg farm by ALLUR (The official company name of the farm : Xishuai Agricultural and Animal Husbandry Technology Co., Ltd.) currently under construction will be one of the largest and advanced egg farm in Taiwan . The sales and the after service are covered by Mr.W.Chen, HITerm Trading Co.,Ltd.

The farm has a total of 10 layer houses, 650,2800 birds capacity, each house with 8 tiers, 4 rows, 71.40 m cage rows.



To have the maximum egg-collecting capacity, HYTEM’s newly developed High Capacity Elevator is used, by which an egg-collecting capacity is 20,000-25,000 eggs per cage row. Almost zero crack is another big advantage of this Elevator.

The feeding system is HYTEM Level Feeder, which can feed real fresh feed to all birds.

Tainan city where the farm is located, has a tropical monsoon climate with long and humid summer. HYTEM recommended the use of stainless feed trough in their experience at Southeast Asia. This will effectively prevent premature rusting of the feed trough in the hot and humid summer climate.



18 units of HYTEM 55-inch Cone fans, the highest energy saving performance in the industry are installed for each house. The exhaust air volume is sufficient to generate the wind speed at the aisle over 4.0m/second.

When the temperature in the house falls below 26°C, the 3 zones Inlet ventilation will be used to make the total house temperature as even as possible . In Tainan city, nearly half of the years' time has outdoor temperature below 24°C. When inlets used, TV Shutter installed at the cooling pad air intakes will close automatically. When the temperature inside the house rises, TV Shutter will open automatically. Another function of TV Shutter is to increase the wind speed in the aisle by controlling the opening of the air intake.

The Eco-breeze system is installed in cages for manure pre-drying. It can also draw fresh air from aisles into cages, providing the constant fresh air realizing the more comfortable living environment for birds. With a recent updating of Eco-Breeze, the air volume has increased by around 40% over the previous version. With Eco-Breeze, the water content of fresh manure from the house is expected around 70 percent, by which the total weight of fresh manure will be more than 30% less compared to when 80% without Eco-Breeze.

After pre-drying fresh manure in cages for four days, manure is discharged from the house and transferred to Plate Dryer behind each 2 houses. Plate Dryer with 11 units of high-pressure fans is a fresh manure drying device that utilizes exhaust air with birds' body heat to dry fresh manure down to water content 20%.



Visitors checking the installation of Plate Dryer

As in Japan, it is not allowed to inject avian influenza vaccine in Taiwan. So preventing bird flu infection is an important issue for every farm. Rats, weasels and any other harmful animals contaminated with wild birds' manure have been reported in Japan, as one of causes of AI infection. Harmful animals are not only a hidden danger of AI infection, but also affect the feed conversion and the bio-security due to rats. Automatic shutters for the wall openings of the egg collection and manure removal system completely to shut out rats and other harmful animals from the layer house, recently developed by HYTEM, are installed.



Visitors checking the operation of Manure conveyor Shutter

The introduction of the farm was recently published in "鶏鳴新聞", an authoritative news newspaper in the Japanese layer industry, and has attracted the attention of many Japanese layer farms.

From October 22 to 24, 2024, a study team by several Japanese layer farms visited the farm . All members of the study team have been quite impressed with ALLUR challenge to the one step advanced progressive egg farm.



Visitors and ALLUR Farm Manager (Second left in the back)

Geng HYTEM Sales Engineering Team for Taiwan &China (Far left in the back)

Li HYTEM Factory Field Engineering Team for Taiwan &China (Far right in the back)

Kotaro Yasuda HYTEM Senior Managing Director (Third left in the back)

