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# In-depth Training Sessions HatchTech Care Services

*Coaching and Technical visits*

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## 1 In-depth Training Sessions Care Coaching Visits

### Incubation principles

1. Importance of egg quality  
Understanding how egg quality impacts performance potential.
2. Good chicks hatch from good quality eggs  
Understanding how to increase the maximum potential of your hatchery through improved egg quality. Focus is on the impact of breeder management on egg quality and hatch.
3. Incubation principles  
Understanding what the embryo needs during incubation to become of superior chick quality.
4. Single stage vs multi stage incubation  
Understanding differences in single vs multi stage incubation and why working instructions change with different concepts.
5. Impact of egg handling on hatch  
Training on critical factors of egg handling and transport on hatch performance.
6. Impact of prolonged egg storage  
Understanding the consequences of prolonged egg storage on hatch and quality, and training on practical implications to minimize the impact of egg age.
7. Impact of Uniform Embryo Activation (UEA)  
Understanding the different ways of prewarming and why UEA is crucial for good hatch and quality.
8. Impact of incubation on broiler performance  
Understanding critical factors during incubation that have a positive/negative impact on broiler performance based on the latest research published.
9. Egg weight loss  
Understanding the variation in egg weight loss and the consequence on hatch performance.
10. Benefits of early feeding post hatch  
Explaining the benefits from early feeding and the gain in chick potential based on research and field experience.

### Concept & Design

11. HatchTech's concept and design  
Understand how HatchTech machines are designed and operate in order to meet the hatchery's requirements for hatching superior quality chicks.
12. HatchTech ventilation principles  
Understanding how ventilation is controlled in a HatchTech incubator and what to expect during the incubation process.
13. Scada analysis  
Understanding the Scada graphs and how to interpret them to evaluate abnormalities in machine performance.

### Operational

14. Working instructions & Standard operating procedures  
Understanding how to operate all aspects of the HatchTech hatchery, to fulfill the embryo needs during incubation and prevent hatch and quality loss. Think for example about daily checklists, correct loading and efficient transfer and pull procedures.
15. MicroClimer controller operation  
Understanding all ins and outs of the controller for better monitoring and evaluation of the incubation process. In addition, understanding the preprogrammed tools that can make prewarming, incubation and cleaning & disinfecting easy.

16. Troubleshooting alarms  
Understanding the alarms and the fastest way to find the reason and fix it.
17. Managing chick storage  
Providing the tools and settings for optimal chick comfort during storage.
18. Farm Placement procedures  
How- to's on recommended placement procedures, beneficial for chicks, farmers and claim reduction.

### Quality Analysis

19. Breakout analysis  
To troubleshoot your hatchery from a biological perspective and indicate the economic costs of breeder flock, egg handling and incubation issues.
20. Chick quality analysis  
To troubleshoot your hatchery from a biological perspective and objectively evaluate the field performance potential of your chicks by determining chick length & navel quality.
21. Chick selection principles  
Training staff on correct and efficient chick selection to prevent issues (first week mortality) in the farm.  
Increasing efficiency at chick processing.

## 2 In-depth Training Sessions Care Technical Visits

### Standard Equipment Maintenance Training:

Maintenance Checklist training

Spare Part inventory check

1. Egg cooling system
  - Maintenance Checklist training
  - Spare Part inventory check
2. Egg turning system
  - Maintenance Checklist training
  - Spare Part inventory check
3. Setters
  - Maintenance Checklist training
  - Spare Part inventory check
4. HatchCare/Hatchers
  - Maintenance Checklist training
  - Spare Part inventory check
5. Chick Storage
  - Maintenance Checklist training
  - Spare Part inventory check
6. Air Handling Units
  - Maintenance Checklist training
  - Spare Part inventory check
7. Pre-humidification Units
  - Maintenance Checklist training
  - Spare Part inventory check
8. Climate Room Controllers
  - Maintenance Checklist training
  - Spare Part inventory check

9. Heating Equipment
  - Maintenance Checklist training
  - Spare Part inventory check
10. Cooling Equipment
  - Maintenance Checklist training
  - Spare Part inventory check
11. Water Treatment
  - Maintenance Checklist training
  - Spare Part inventory check
12. Accessories & Trolleys
  - Maintenance Checklist training
  - Spare Part inventory check

**Standard Equipment Advanced Training & Checks:**

13. Setters
  - Explanation of the Electrical Schematics
  - Controller check (thermal imaging & cleaning)
  - Water flow check & thermal imaging (if applicable)
  - Process Performance Check
14. HatchCare/Hatchers
  - Explanation of the Electrical Schematics
  - Controller check (thermal imaging & cleaning)
  - Water flow check & thermal imaging (if applicable)
  - Process Performance Check
15. Chick Storage
  - Explanation of the Electrical Schematics
  - Controller check (thermal imaging & cleaning)
  - Water flow check & thermal imaging (if applicable)
  - Process Performance Check
16. Air Handling Units
  - explanation of the Electrical Schematics
  - Controller check (thermal imaging & cleaning)
  - Water flow check & thermal imaging (if applicable)
  - Process Performance Check
17. Pre-humidification Units
  - Explanation of the Electrical Schematics
  - Controller check (thermal imaging & cleaning)
  - Water flow check & thermal imaging (if applicable)
  - Process Performance Check
18. Climate Room Controllers
  - Explanation of the Electrical Schematics
  - Controller check (thermal imaging & cleaning)
  - Water flow check & thermal imaging (if applicable)
  - Process Performance Check
19. Heating Equipment
  - Explanation of the Electrical Schematics
  - Controller check (thermal imaging & cleaning)
  - Water flow check & thermal imaging (if applicable)
  - Process Performance Check

20. Cooling Equipment

- Explanation of the Electrical Schematics
- Controller check (thermal imaging & cleaning)
- Water flow check & thermal imaging (if applicable)
- Process Performance Check

21. Water Treatment

- Explanation of the Electrical Schematics
- Controller check (thermal imaging & cleaning)
- Water flow check & thermal imaging (if applicable)
- Process Performance Check

22. SCADA & Alarm system

- Explanation of the Electrical Schematics
- Controller check (thermal imaging & cleaning)
- Water flow check & thermal imaging (if applicable)
- Process Performance Check

**Supporting Systems Checks:**

23. Piping Heating & Cooling

- Check Piping & Insulation Conditions

24. Ventilation Ducting

- Check Ducting & Insulation Conditions
- Check Air valves & Flow Rates
- Check Exhaust Fans

25. SCADA & Alarm Network

- Check Network Conditions
- Check Data Communication & Shielding

**Process Trainings:**

26. Incubation Principles & HatchTech Concept & Design (Technical approach)

Basic understanding of what the embryo needs and understanding the key features of the HatchTech Concept

27. Controller Operations & Troubleshooting

Explanation of the functionality of the Setter & HatchCare/Hatcher controller

28. Alarm Troubleshooting

29. SCADA Training

- Data management
- User levels
- Graphs

30. MyHatchTech (MYHT)

- Log-on & basic functionality
- How to find Product Information
- How to use Maintenance Manager
- Repair Procedure