

DAIRY COWS SHELTERS' UP-DATE TO INCREASE ANIMAL WELFARE, AND
EFFICIENCY OF FORMER FARMS UTILIZATION

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SUMMARY

The main goal of our study was to increase the competitiveness of cattle farms by using a Total Quality Management system, which refers to:

- Fitting out and modernization of shelters to increase the animals and personnel welfare and technological level.
- Providing modern and high technology equipments for milk and meat quality control.
- Implementation of good hygienic practices for spaces, equipments and instruments.

Taking into consideration these premises we have tried to find out solutions for the farm technological fluxes of animals, personnel, milk, food and wastes fluxes.

These solutions are referring to:

1. Reorganizing shelter's inner space to create different areas for: feeding, watering, exercises, resting and milking.
2. These areas regulation must allow animals movements without restrictions and harmful spaces.
3. Equipments achievement for more productivity and health safety.
4. Improvement of shelter's length and height for a better housing climate.

Constructive solutions for reorganizing shelter's inner space to increase animal welfare :

Solution 1. Loose housing in cubicles, with resting area inside the shelter and feeding area outside the shelter.

Solution 2. Loose housing in cubicles, with all areas inside the shelter.

Solution 3. Loose housing in deep litter resting area, with all areas inside the shelter.

Constructive solutions and all dimensions we are offering in this work are in accord with EU rules.