

CONTEXTUAL DESIGN STRATEGY

Large-Scale Dairy Concept 10.000 Cows (East Europe)



MONTESTRUCTURA

Key Benchmarks:

Planning a 10.000 head dairy farm in Northeast Russia. In this context, work areas should be clearly delineated to enable each department to operate as effectively as possible, with minimal interface losses.

Key Constraints

Herds size: 10.000 Cows

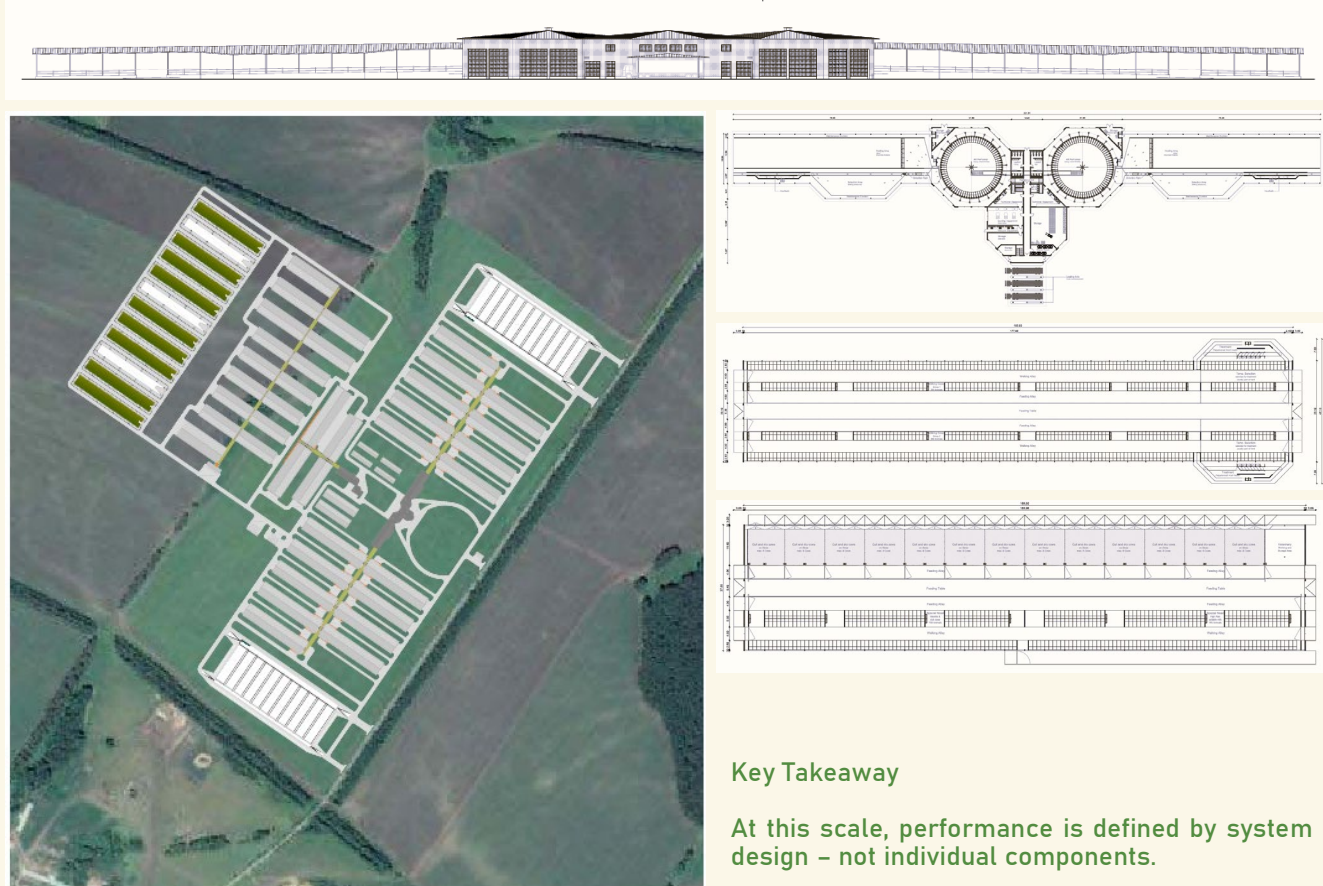
Milking Cows: 8.800 Cows (11.000kg/ year/ cow)

Parlor: 2x80 Stalls Rotaries (2.5 Milkings)
≈ min. 1.000 Cows/ hour

Hospital Parlor: 50 Stalls Rotary

Challenge

Wide Temperature range between Summer/ Winter. Optimizing necessary management traffic (Feed/ Maintenance) to keep distances short in winter. Separation of treatment and milking (no treatment within the treatment area immediately following milking) to maintain an optimal milking rhythm. Treatment is carried out by a mobile veterinary team in designated areas of the barns.



Key Takeaway

At this scale, performance is defined by system design – not individual components.