System components

Laying nest system

Comfortable laying with easy manual inspection. The egg belt carries eggs to the collection table, and the expulsion system stops hens brooding in the nests overnight.

Activity areas

Set on the first and third levels and on the house floor, where litter can be laid for dust bathing. Via perches and ladders, hens move freely between the perches, the system tiers and the floor.

Egg collector system

Drives the egg collection belt, carrying eggs to the front of the house.

Feeding system

Ensures reliable feed supply for the flock.

Drinking system

Supplies drinking water to the flock.

Perch system

Supports natural perching behavior, with ladders so birds can jump freely between levels.

Lighting system

Lighting in the ceiling and inside the system gives precise light control, reducing floor eggs and improving the laying rate.

Manure removal system

Manure belts under the first and third levels carry manure to the end of the house, where cross and inclined belts convey it outside.

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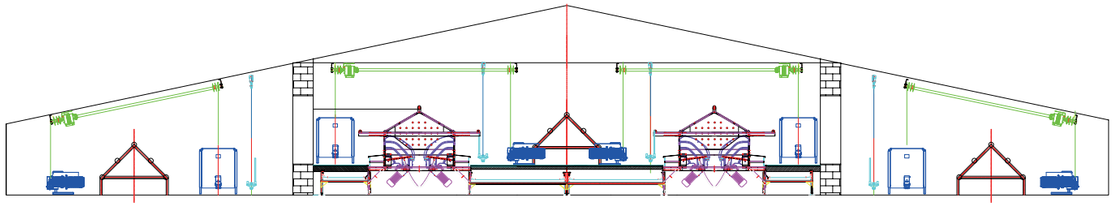
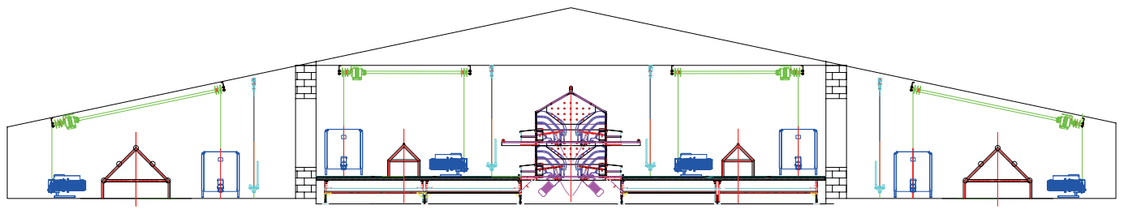
CAGE-FREE LAYER SYSTEM

0 Cage-free floor systems

Single-tier floor system



Two-tier floor system



0 Aviary system layout diagrams

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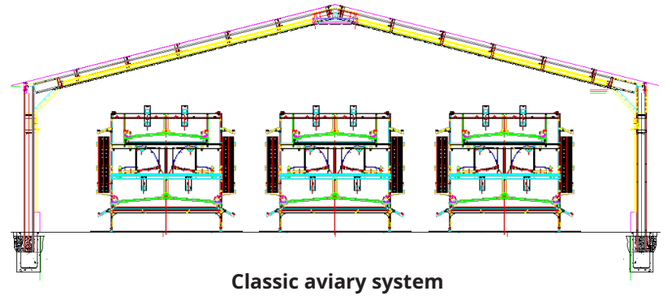
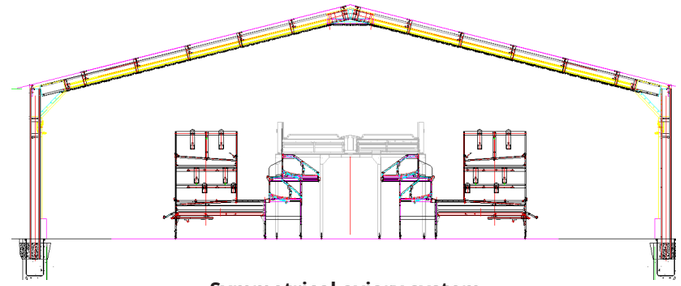
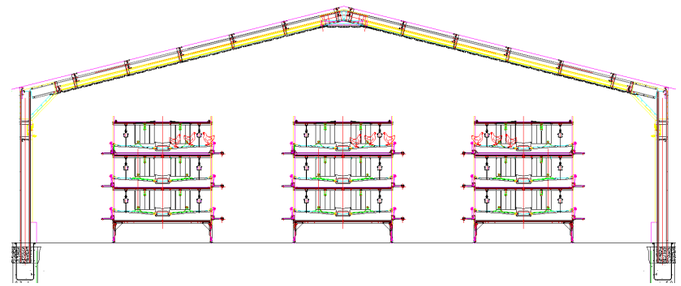


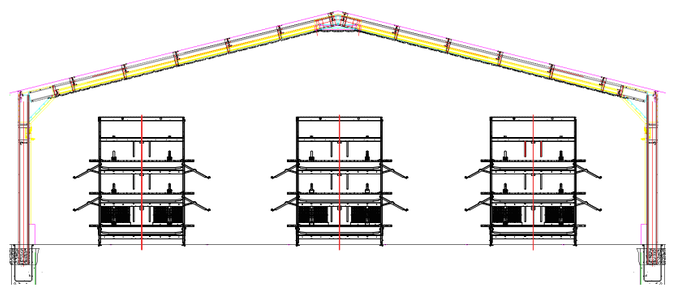
Classic aviary system



Symmetrical aviary system



Stacked aviary system



Pullet rearing aviary system

Classic aviary system

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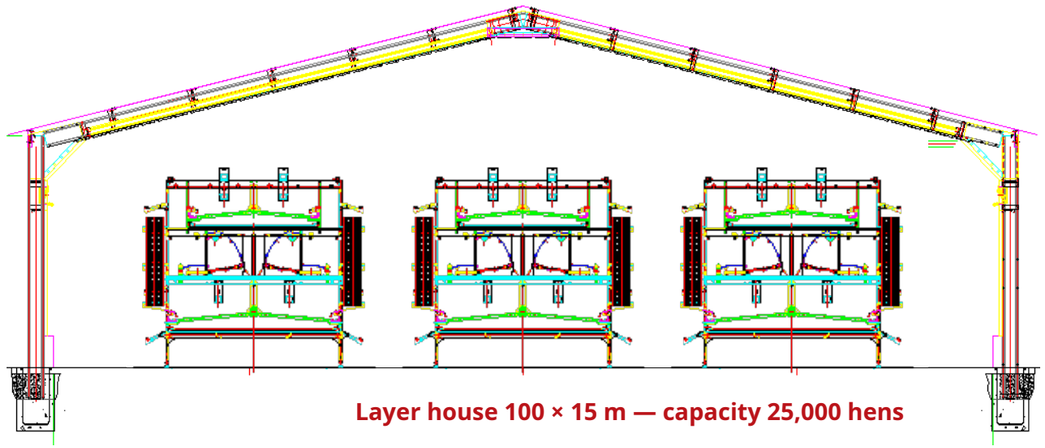
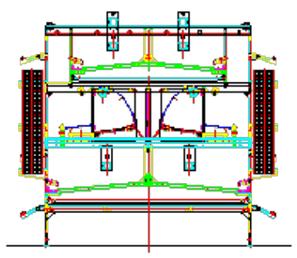
Layout diagram

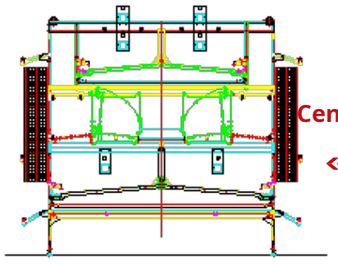


Layer house 100 × 15 m — capacity 25,000 hens

Egg collection options

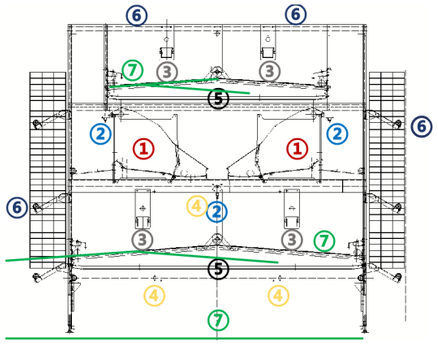


Side egg collection



Center egg collection

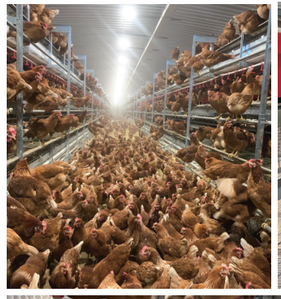
System components



①	LAYING NEST SYSTEM
②	DRINKING LINE SYSTEM
③	CHAIN FEEDING SYSTEM
④	LIGHTING SYSTEM
⑤	MANURE REMOVAL SYSTEM
⑥	PERCH SYSTEM
⑦	ACTIVITY AREA

	Equipment parameters
External dimensions:	L×W×H = (5600 + 1150n) × 2500 × 2680 mm; width excludes side ladders and perch rails; n = groups per row.
Materials:	Support legs in 304 stainless steel; upper frame in 275 g/m² galvanized aluminum–magnesium sheet; cage mesh in aluminum–zinc coated wire.
Per-group configuration:	Laying nests: 2 sets per group
	Capacity: 120 birds per group
	Drinking lines: 3 per group
	Feed lines: 6 per group (3 circuits)
	Manure belts: 2 per group
Product features:	Generous living and activity space, strong corrosion resistance, and high stocking capacity at a low investment cost.

Reference projects



Symmetrical aviary system

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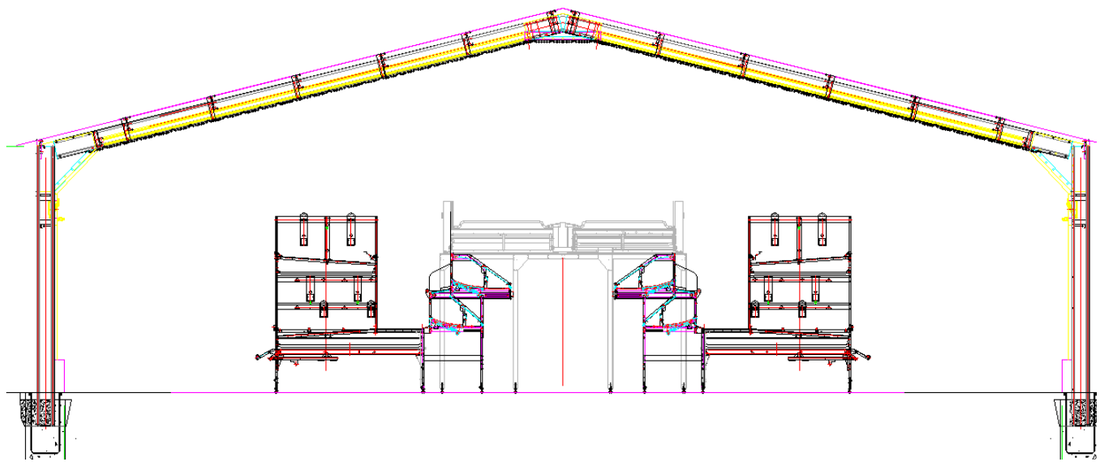
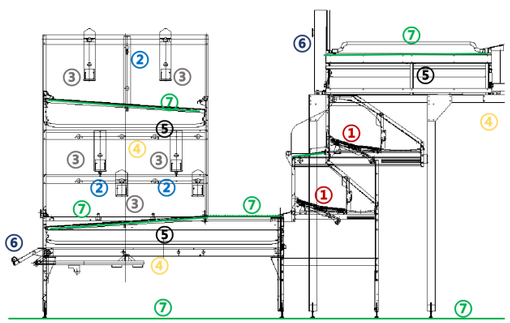
Layout diagram



Layer house 100 × 15 m — capacity 20,000 hens

System components



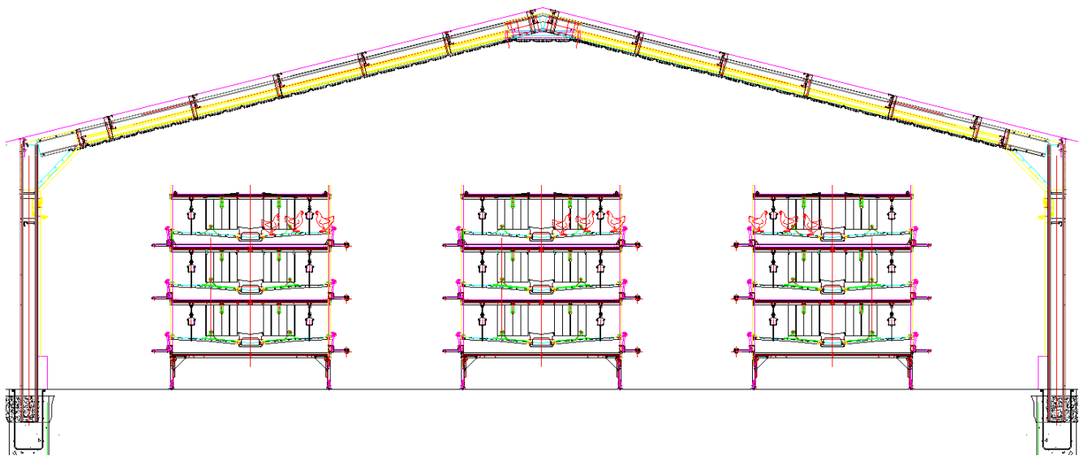
①	LAYING NEST SYSTEM
②	DRINKING LINE SYSTEM
③	CHAIN FEEDING SYSTEM
④	LIGHTING SYSTEM
⑤	MANURE REMOVAL SYSTEM
⑥	PERCH SYSTEM
⑦	ACTIVITY AREA

	Equipment parameters
External dimensions:	L×W×H = (6340 + 2410n) × 9230 × 2870 mm; n = groups per row.
Materials:	Support legs in 304 stainless steel; upper frame in 275 g/m² galvanized aluminum–magnesium sheet; cage mesh in aluminum–zinc coated wire.
Per-group configuration:	Laying nests: 8 sets per group
	Capacity: 480 birds per group
	Drinking lines: 6 per group
	Feed lines: 12 per group (6 circuits)
	Manure belts: 6 per group
Product features:	Three service aisles for easy inspection; two tiers of laying nests on each side help hens find the nests quickly.

Reference projects

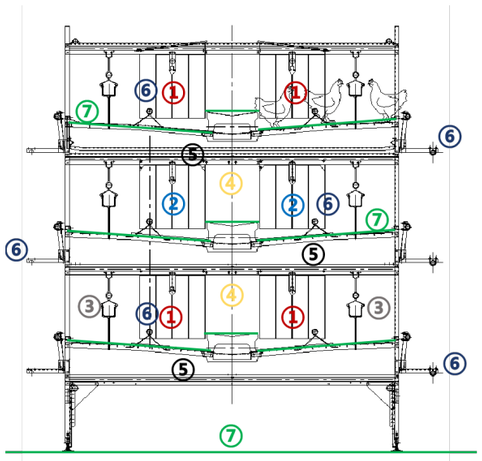
Stacked aviary system

Layout diagram



Layer house 100 × 15 m — capacity 21,000 hens

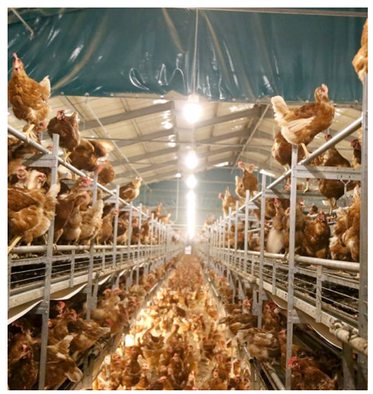
System components



①	LAYING NEST SYSTEM
②	DRINKING LINE SYSTEM
③	CHAIN FEEDING SYSTEM
④	LIGHTING SYSTEM
⑤	MANURE REMOVAL SYSTEM
⑥	PERCH SYSTEM
⑦	ACTIVITY AREA

	Equipment parameters
External dimensions:	L×W×H = (5500 + 2900n) × 2420 × 3000 mm; n = groups per row.
Materials:	Support legs in 304 stainless steel; upper frame in 275 g/m² galvanized aluminum–magnesium sheet; cage mesh in aluminum–zinc coated wire.
Per-group configuration:	Laying nests: 6 sets per group
	Capacity: 348 birds per group
	Drinking lines: 6 per group
	Feed lines: 6 per group (3 circuits)
	Manure belts: 3 per group
Product features:	Every tier has its own nest area, drinking and feed lines, so hens can live fully within each tier.

Reference projects



Pullet rearing aviary system

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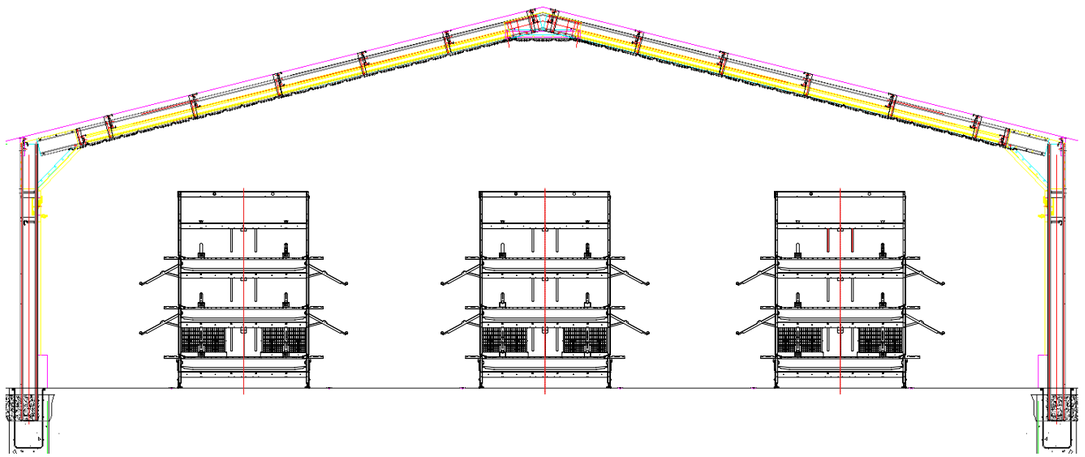
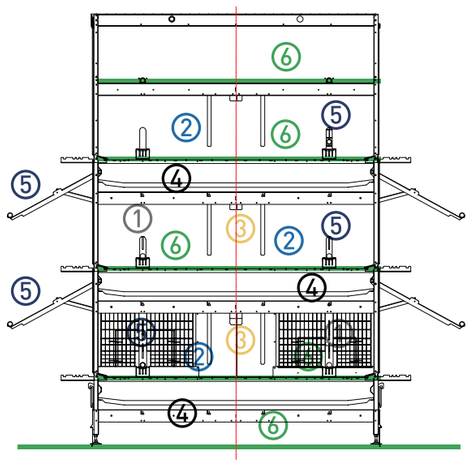
Layout diagram



Layer house 100 × 15 m — capacity 69,000 hens

System components



①	CHAIN FEEDING SYSTEM
②	DRINKING LINE SYSTEM
③	LIGHTING SYSTEM
④	MANURE REMOVAL SYSTEM
⑤	PERCH SYSTEM
⑥	ACTIVITY AREA

	Equipment parameters
External dimensions:	L×W×H = (3500 + 2400n) × 1840 × 2780 mm; n = groups per row.
Materials:	Support legs in 304 stainless steel; upper frame in 275 g/m² galvanized aluminum–magnesium sheet; cage mesh in aluminum–zinc coated wire.
Per-group configuration:	Three tiers per group
	Laying nests: 6 sets per group
	Capacity: 440 birds per group
	Drinking lines: 6 per group
	Feed lines: 6 per group (3 circuits)
	Manure belts: 3 per group
Product features:	Each tier includes cage doors, so the system can run as either cage or cage-free housing — ideal across the different pullet rearing stages.

Reference projects