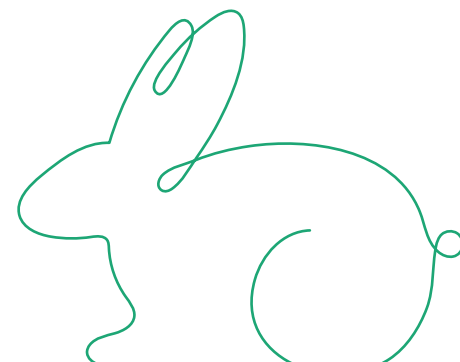




PRODUCTION PROJECT *semi-intensive*

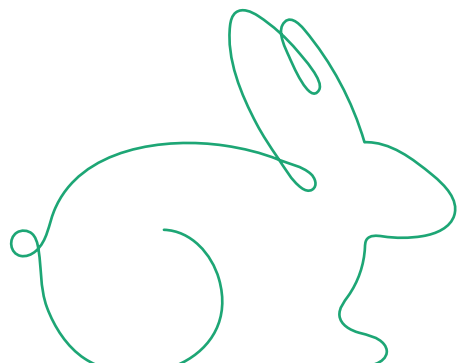


INDEPENDENCE

INNOVATION

SECURITY





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SEMI-INTENSIVE PRODUCTION SYSTEM

From the GENETIC CENTER to SATELLITE RABBIT FARMS



1 GENETIC CENTER



7 SATELLITE RABBIT FARMS
(2 MINITUNNELS FOR EACH)

DESIGN AND REALIZATION



EQUIPMENT (CAGES AND BUILDINGS)



BASIC PROJECT

1 GENETIC CENTER
7 SATELLITE RABBIT FARMS

+

1 SLAUGHTERHOUSE



FIX



MOBILE



ADVANCED PROJECT

Possibility to extend the project including

- Feed factory
- Manure treatment
- Agricultural and industrial machinery
- Laboratories and vet-medicines
- Photovoltaic system



PRODUCTION PROJECT

semi-intensive

- **1 GENETIC CENTER**

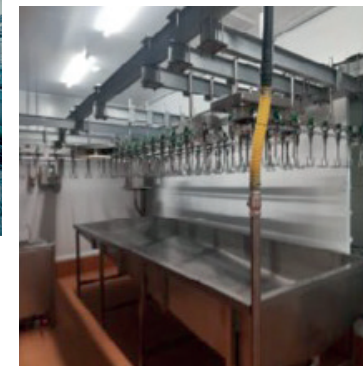
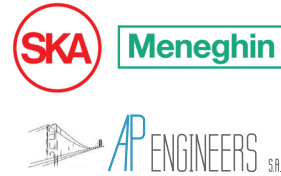
- **1 SLAUGHTERHOUSE**

- **7 RABBIT SATELLITE FARMS**

*15/20 km distance
from the management center*

- **FINAL PRODUCTION**

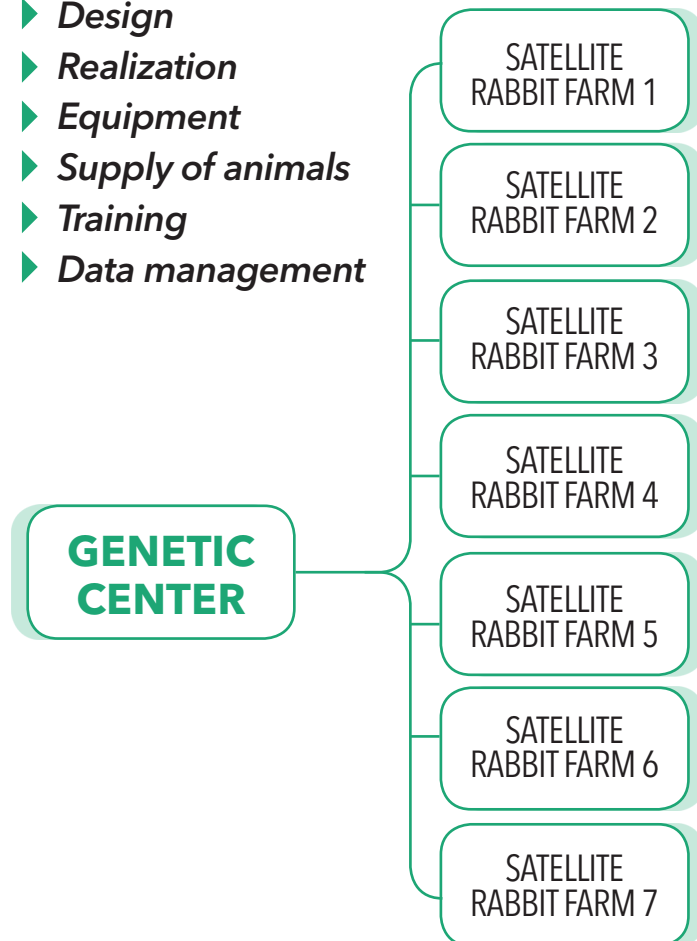
*from ~530 to ~2010
slaughtered rabbits per week*



The number of animals has been estimated, but may change due to several factors

SEMI-INTENSIVE PRODUCTION PROJECT

- ▶ **Design**
- ▶ **Realization**
- ▶ **Equipment**
- ▶ **Supply of animals**
- ▶ **Training**
- ▶ **Data management**



The project, based on **1 GENETIC CENTER**, **1 SLAUGHTERHOUSE** and **7 SATELLITE RABBIT FARMS** (with cyclic management within a distance of 15/20 km from the management center), aims to ensure a minimum weekly supply of about 530 slaughtered rabbits, distributed as follows:

- **380 slaughtered rabbits** from rearing cycles (minitunnels)
- **150 slaughtered rabbits** from fattening rabbits (from the genetic center) and reformed animals (males and females)

The project is designed to be scalable. The maximum weekly production potential, keeping the genetic center and slaughterhouse unchanged, can be up to about 2010 rabbits slaughtered per week.

DESIGN OF THE GENETIC CENTER

THE AIM

Ensuring constant and high quality production, both in terms of breeding animals and semen for artificial insemination, contributing to the genetic improvement of rabbit species.



The genetic center is equipped with a 36x13m shed, divided into 11 rooms of 3m width

This structure allows optimal management of the different phases of rearing

The facility is completed by **3 areas** used as offices, storage and laboratory for semen processing

8 areas are designated for the production of young rabbit does + **1** which constitutes the **slaughterhouse**

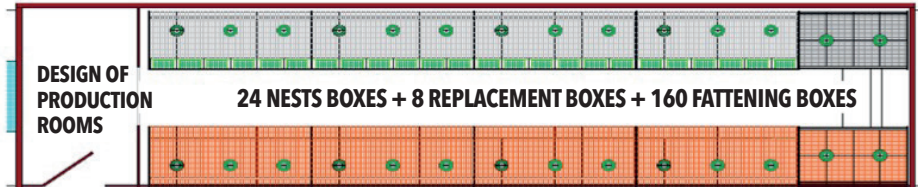
2 areas designated for the growth of young rabbit does (with 56-day cycles)

1 area is designated for rearing rabbit bucks



Meneghin

Equipment

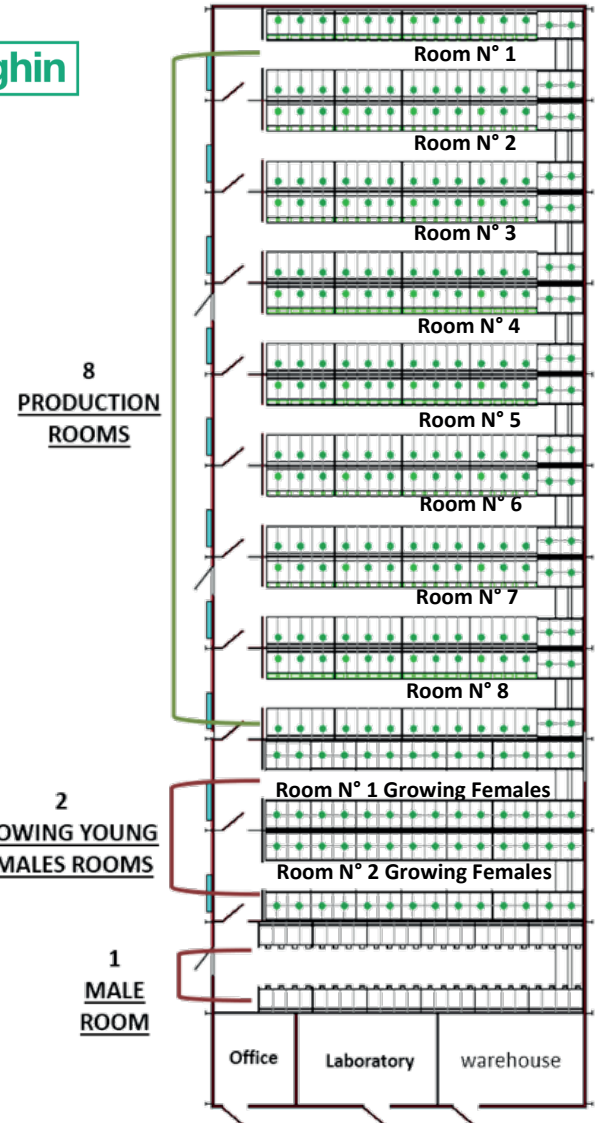


- Each **PRODUCTION room** has a capacity of 32 breeding females (24 pregnant and 8 young females) with a production capacity of approximately 160 rabbits (including breeding and fattening rabbits) for each production cycle.

The system provides for a rotation of the breeding females within the same room between the right and left wall modules with multi-purpose cages suitable for parturition, weaning and in colony fattening phases.

WEEKLY PRODUCTION CAPACITY

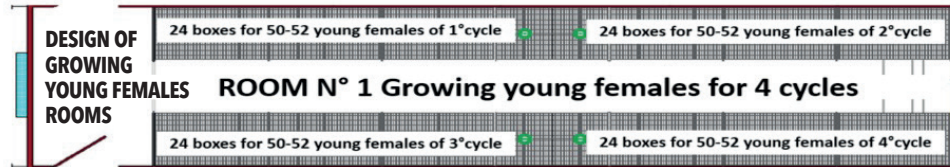
- ~50-52 F1-selected young rabbit does, ready for reproduction within a maximum age of 140 days.
- ~110 rabbits for slaughter (84 days) (fattening and reformed rabbits)
- ~450 doses of semen for artificial insemination, taken from breeding males



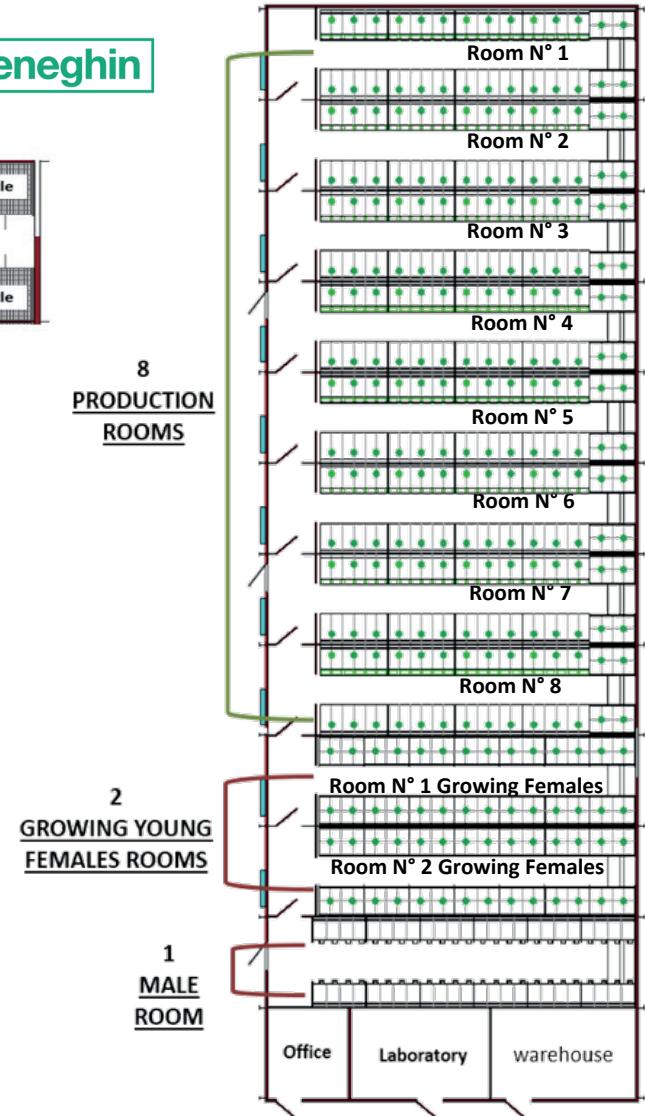
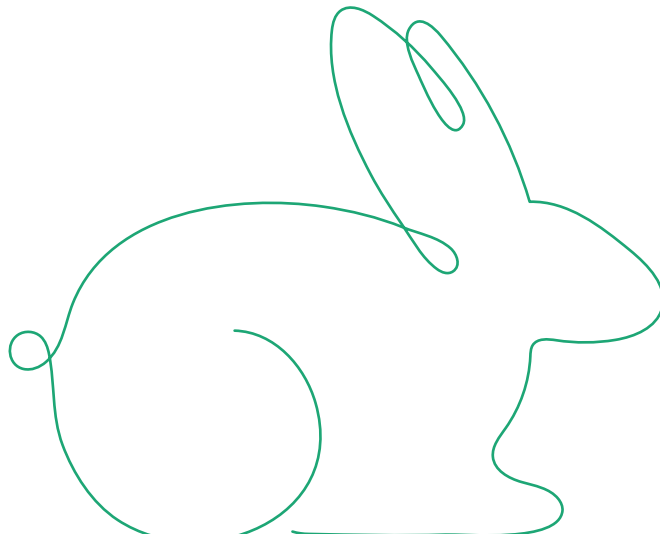
Equipment



Meneghin



- The **MALE room** consists of 2 rows of cages with a total capacity of 48 males with the aim of collecting up to 450 doses of semen for artificial insemination.



Slaughterhouse



A rabbit **slaughterhouse** is outer specialised facility where rabbits are slaughtered for meat production. The slaughter process is regulated by specific regulations to guarantee hygiene, food safety and animal welfare.

► Characteristics:

- Estimated water consumption: 2 l/Ca
- Productivity: 100 Ca/h* (*)

(*) It depends on the number of the operators and their capacities



Bleeding area



Zone and equipment for
slaughtering and initial
processing

Zone and equipment for
evisceration and packaging

Refrigeration zones

Zones with additional services

Lenght 12.19m

Width 2.43m

Height 2.89m

Rabbit washer and belt conveyor



Skinning machine and conveyor

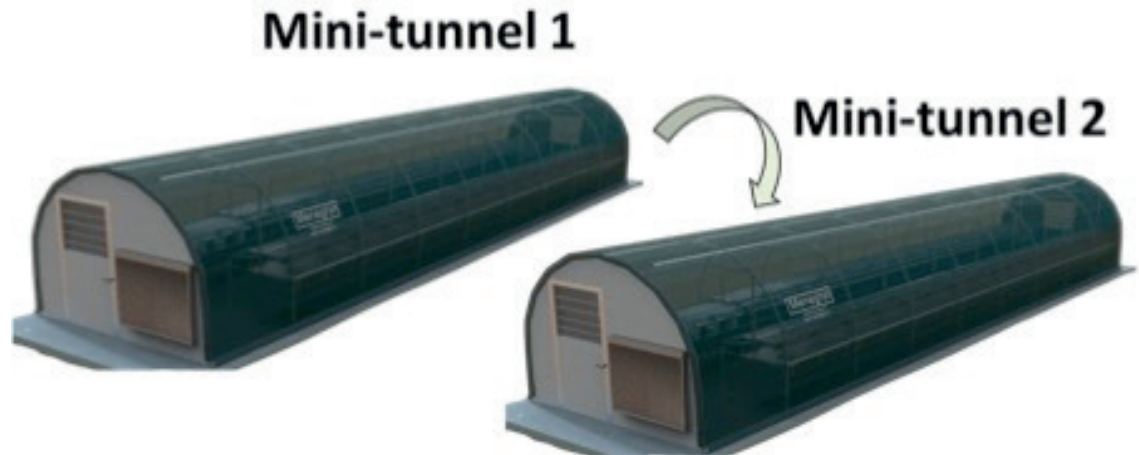
Design and realization of satellite rabbit farms



Meneghin

Each SATELLITE RABBIT FARM consists of 2 **MINITUNNELS** relying on **DUO-BAND** model allowing to produce about **380 slaughtered rabbits every 49 days (cycle)**.

DUO-BAND system, adopted in Europe since the 2000s in intensive rabbit rearing, aims to optimize production through cyclical management and the use of multi-purpose cages and guarantees a high level of hygiene.



The number of animals has been estimated, but may change due to several factors

Design and realization of satellite rabbit farms



Meneghin

CARACTERISTICS OF DUO-BAND SYSTEM

► COMPONENTS:

It requires almost 2 twin minitunnels, equipped with multi-purpose cages.

They allow adaptation to the different phases of rearing:

- **FIRST STEP:** parturition and weaning (~42 days);
- **SECOND STEP:** fattening until slaughter (~84 days).

► PRODUCTIVE CYCLE:

The cycle begins with the parturition of the rabbit does on a minitunnel, at 42 days of rabbit life, the already fertilized rabbit does are moved to the twin minitunnel while the whole colony remains in the same boxes of the first minitunnel until slaughter age.

► ALL IN-ALL OUT:

At the end of the cycle, the minitunnel will be emptied, cleaned and disinfected, providing a high level of hygiene.



Design and realization of satellite rabbit farms



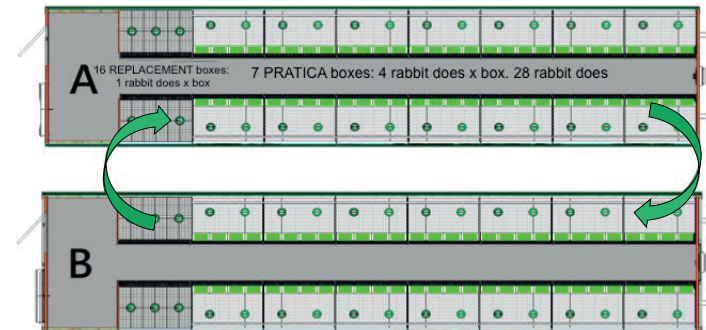
Meneghin

MANAGEMENT OF DUO-BAND SYSTEM

This diagram describes a cyclic management of activities involving two minitunnels (A and B) with a capacity of 72 rabbit does (56 pregnant and 16 as replacement) and a production capacity of 380 fattening rabbits per cycle. The main activities are the first phase (parturition, insemination, weaning) and the second phase (fattening, slaughtering, cleaning).

	Minitunnel A	Minitunnel B	Minitunnel A	Minitunnel B	
Activities	1° Cycle (days)	2° Cycle (days)	3° Cycle (days)	4° Cycle (days)	Appr. Frequency (days)
Parturition	0	49	98	147	~ 30
Insemination	19	68	117	166	~19 after parturition
Moving rabbit does	42	91	140	189	~42 after parturition
Fattening	42-84	91-133	140-182	189-231	~84 after parturition
Slaughter	84	133	182	231	~84
Final cleaning of the minitunnel	90	139	188	237	~6

DESIGN OF MINITUNNEL



PRODUCTION PROJECT

semi-intensive



Meneghin

THE WEEKLY PRODUCTION CAPACITY IS ON TWO LEVELS:

MINIMUM CONFIGURATION

Initial structure:

7 SATELLITE RABBIT FARMS, each consisting of 2 minitunnels. Each week a one of the 7 farms, starts production. The cycle is completed in 7 weeks, restarting from the first rearing group.

Weekly production:

380 slaughtered rabbits from SATELLITE RABBIT FARM (2 minitunnels), 150 slaughtered rabbits from the GENETIC CENTER (fattening rabbits and reformed subjects).

Total: 530 rabbits slaughtered/week

MAXIMUM CONFIGURATION

The maximum configuration is obtained by gradually increasing the number of farms, always with weekly management, while keeping the GENETIC CENTER and the slaughterhouse unchanged.

Final structure:

35 SATELLITE RABBIT FARMS, each consisting of 2 minitunnels, with weekly management of 5 SATELLITE RABBIT FARMS/cycle. The cycle is completed in 7 weeks, starting from the first five rabbit farms.

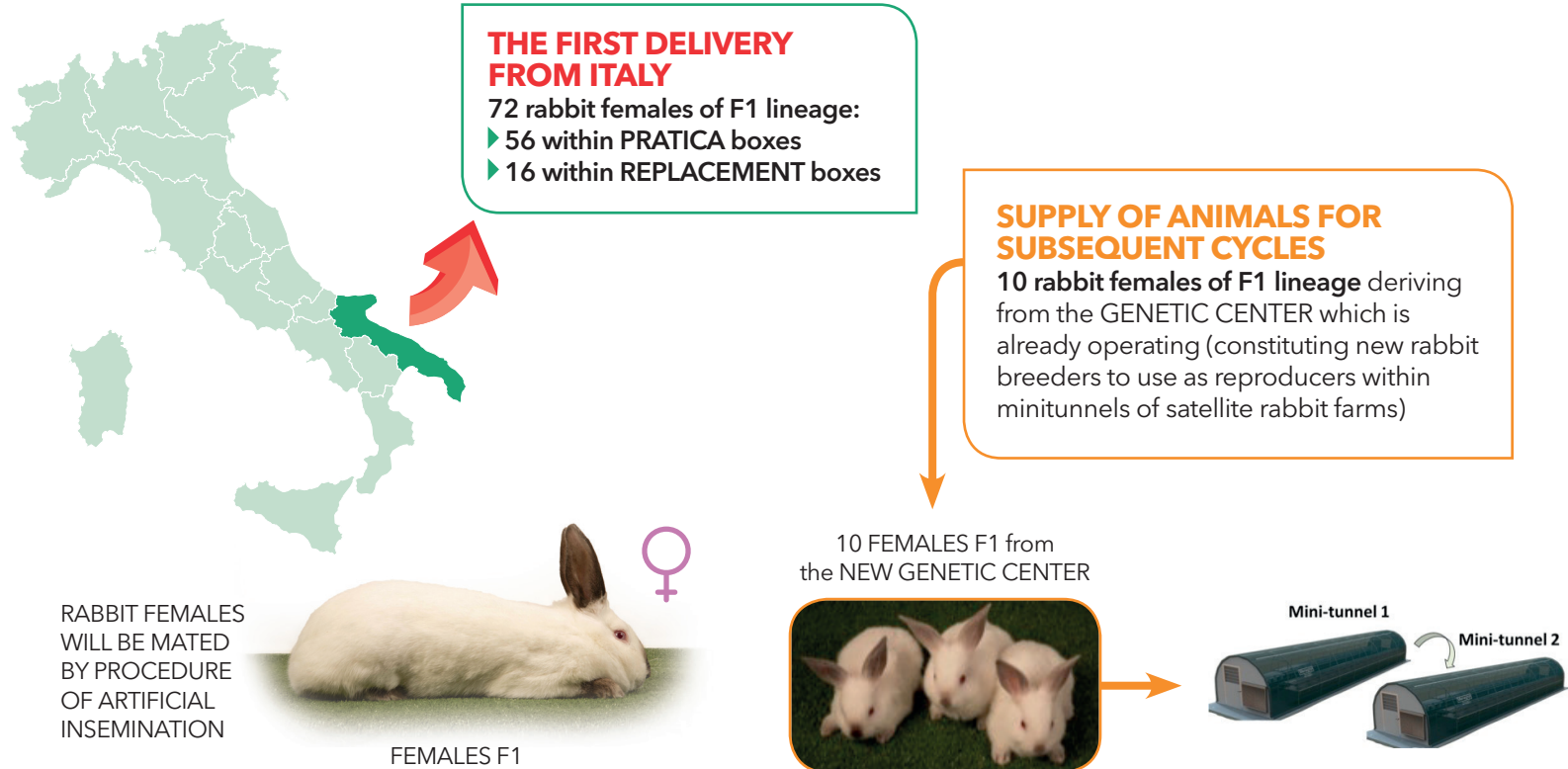
Weekly production:

1900 rabbits slaughtered by five rabbit farms, 110 rabbits slaughtered by the GENETIC CENTER (fattening rabbits and reformed animals)

Total: 2010 rabbits slaughtered/week

The number of animals has been estimated, but may change due to several factors

Supply of animals for each satellite rabbit farm



The number of animals has been estimated, but may change due to several factors

Supply of animals for the new genetic center



Italian rabbit breeders association

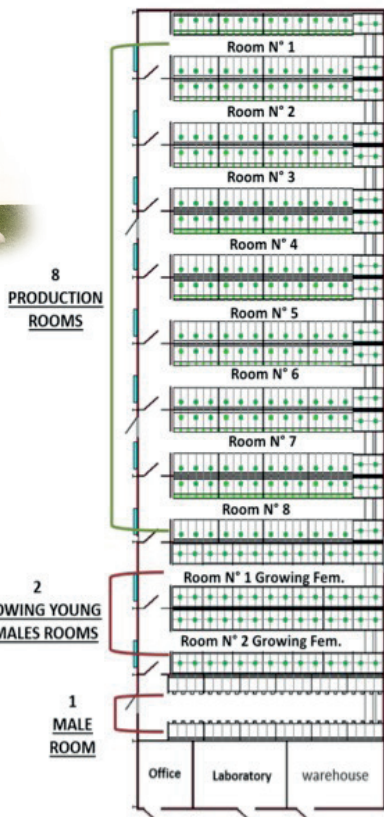


FEMALES UNIT



RABBIT FEMALES
OF ITALIAN WHITE BREED «IW»
(BIANCA ITALIANA)

24 rabbit does
(age 120-140 days) +
**8 rabbit females of Italian
White breed** for each room
of the Genetic center
achieving the totality of:
256 rabbit females of
▶ **192 within PRATICA boxes**
▶ **64 within REPLACEMENT
boxes**



MALES UNIT

24

RABBIT MALES
OF ITALIAN WHITE
BREED «IW»
(BIANCA ITALIANA)



24

RABBIT MALES
OF ITALIAN PIED
BREED «IP»
(MACCHIATA ITALIANA)



Semen of «IW» rabbit
males will be used for
the insemination of
F1 females of each
rabbit satellite farm

Semen of «IP» rabbit
males will be used
for the insemination
of «IW» rabbit does
within the genetic
center arising F1
subjects among which
10 females will be
new rabbit breeders
of satellite rabbit
farms



The number of animals has been estimated, but may change due to several factors

Training



Italian rabbit
breeders association



LOCAL TRAINING
(IN THE COUNTRY OF INTEREST)

ANCI organizes specific courses to increase your knowledge about rabbit breeding techniques and genetic improvement.

MAIN TOPICS:

- Intensive breeding systems
- Feeding systems
- Costs management
- Reproductive cycle of rabbit and cycling system
- Evaluation of semen quality and Procedure of artificial insemination
- Hygiene and security protocols
- Marketing and promotional strategies



TRAINING IN ITAL (AT THE RABBIT GENETIC CENTER ANCI)

Novel technicals will be host at our facility to spend a training period or they will follow local training courses hold in your country during which it will be possible to analyze each step of reproductive cycle of rabbit from mating phase to weaning and finally selection procedure.

Data management of the genetic center

During training period, beyond the possibility to work closer our technical operators keeping long-time experience in the activity of genetic improvement, it will be possible exploring the new software for data management of genetic center and the elaboration of mating plans.



This management software will allow to monitor constantly every event of rabbit reproductive cycle but also to know the productivity of your farm, acting independently and checking your center by use of any device such as pc, tablet or smartphone.



The new software will be realized specifically for new user who will receive personalized access keys

For using of this novel management software, ANCI provides its assistance on site and remotely

A screenshot of the ANCI login page. It features the ANCI logo (a red stylized leaf) and the text "The Genetic Center ANCI". Below this, it says "Updating of 2025-05-02 17:58 Build n. 6423". There is a link "Open your account". The login form includes a "Username" field with "xxxxxxxxxx", a "Password" field with "xxxxxxxx", a "Remind me" checkbox, and a blue "Login" button.

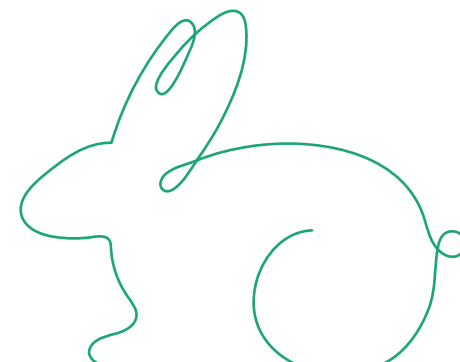


PRODUCTION PROJECT

semi-intensive



The company provides a “HANDKEY PROJECT” and initial technical support, working with specialized partners to set up the rabbit breeding center and train staff in self-management, including feed formulation with local raw materials».



INDEPENDENCE

INNOVATION

SECURITY