



PUNTA ROSSA

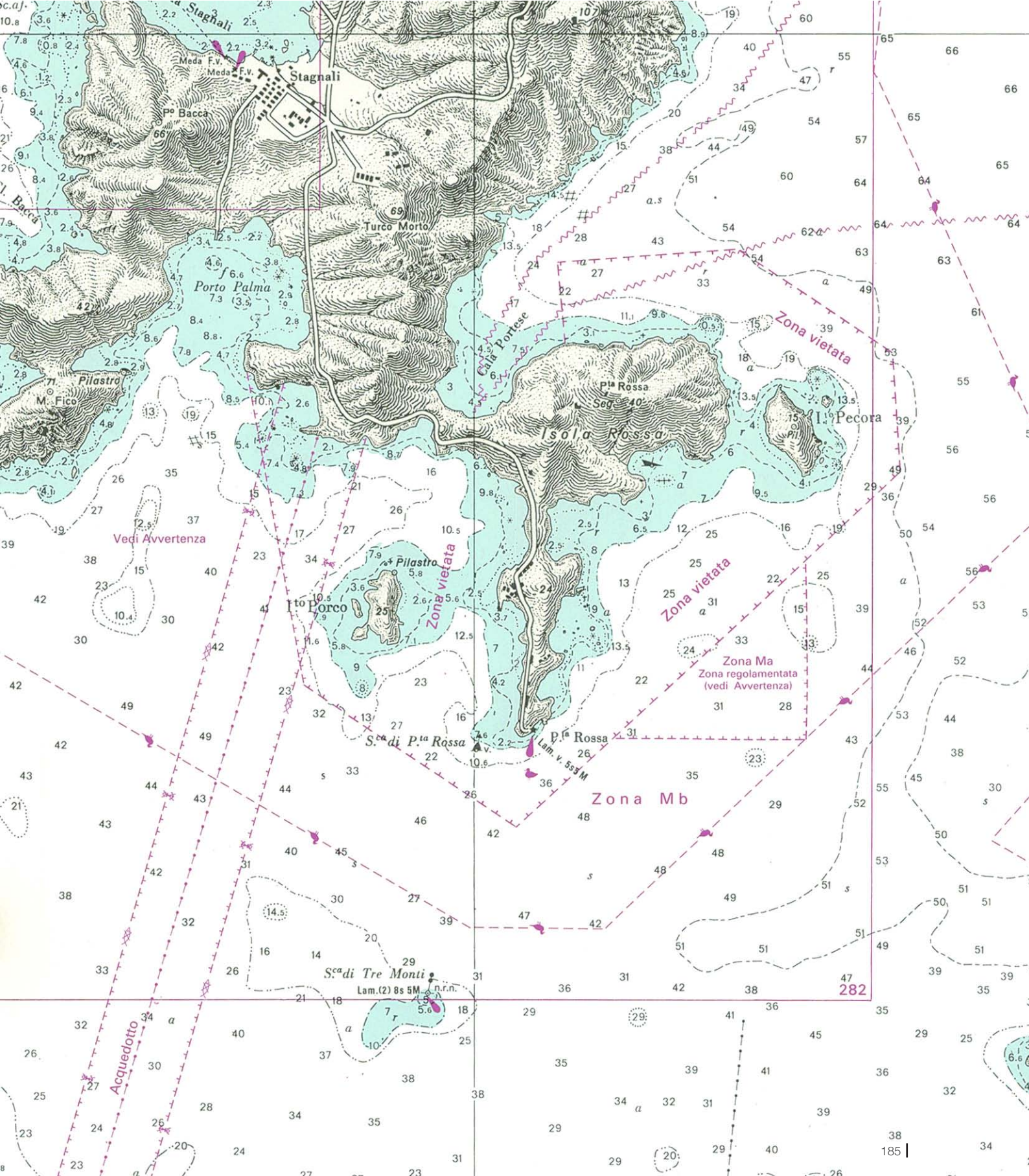
location:

caprera

coordinates:

41°10,30'N - 9°28,07'E

the settlement of punta rossa is a didactic and research pole which delve into boat design and nautical material technologies for the development of dinghy sailing. it offers open services and support to mariners, visitors and tourists and can host seminars, workshops and courses on site, offering suitable spaces and structures.



Stagnali

Meda F.v.

Meda F.v.

Po Bacca

Turco Morto

Porto Palma

Pilastra

M. Fico

Isola Rossa

P. Rosso

Seg. 40'

P. Pecora

Vedi Avvertenza

Zona vietata

Zona vietata

Zona Ma
Zona regolamentata
(vedi Avvertenza)

Zona Mb

I. Porco

Pilastra

S. di P. Rossa

S. di P. Rossa

Lam. v. 553 M

S. di Tre Monti

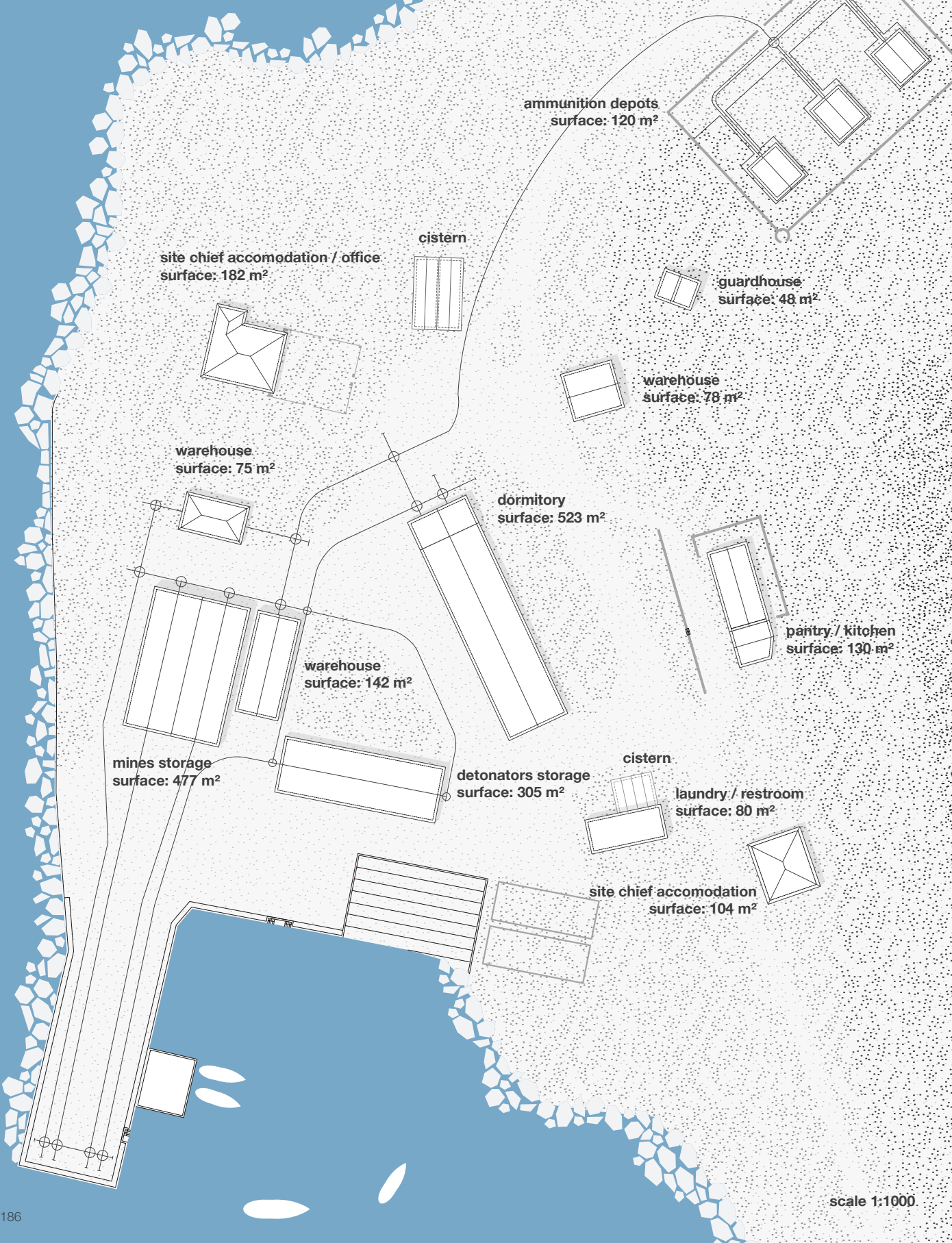
Lam. (2) 8s 5M

n.r.n.

282

Acquedotto

185







- **previous functions**

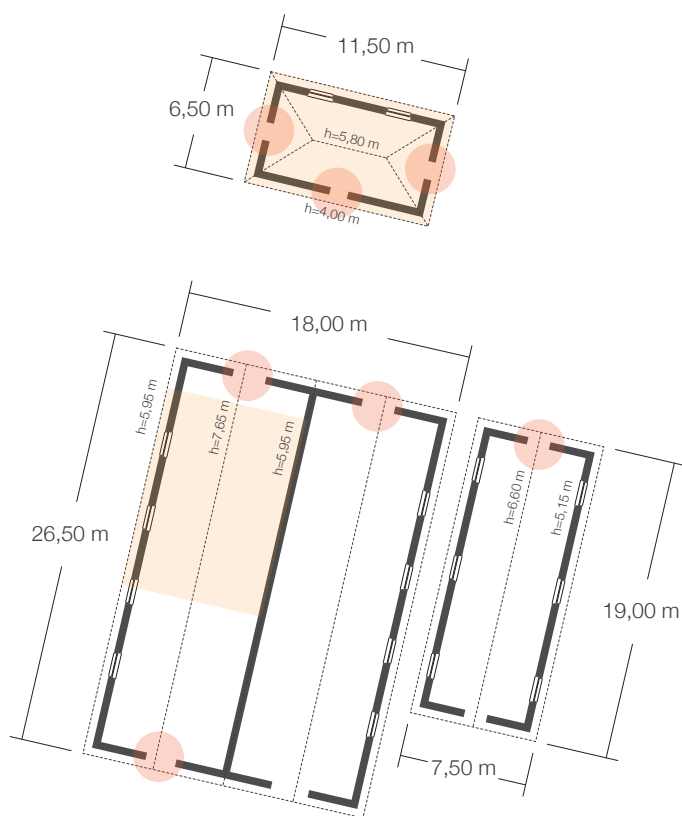
mines storage.
warehouses.

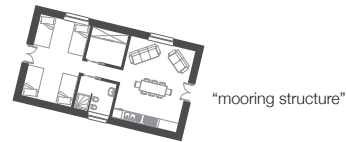
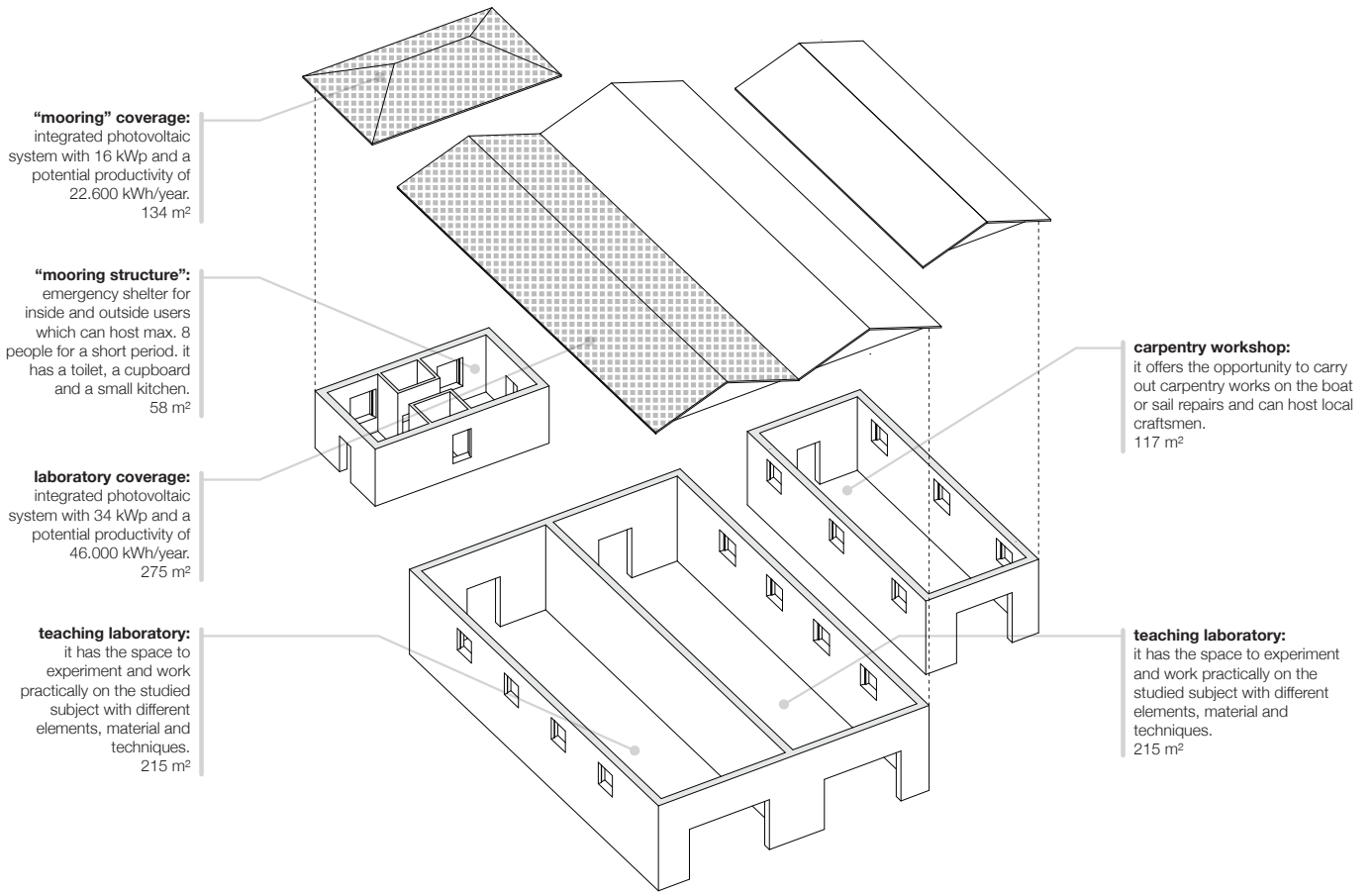
- **dimensions**

surface: $477 \text{ m}^2 + 142 \text{ m}^2 + 75 \text{ m}^2$
volumetry: 4.290 m^3

- **more**

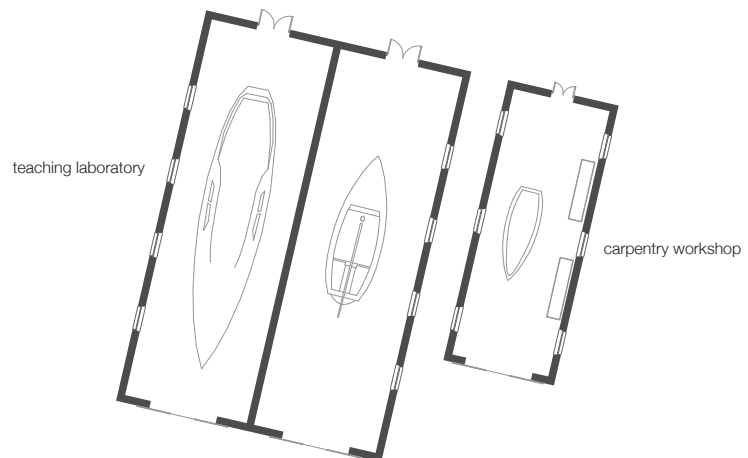
southern warehouse and eastern part of the storage with intact coverage.
practicable entrances and widows without obstructions.
most of the entrances have been walled up.





- **new functions**
“mooring structure”.
teaching laboratory.
carpentry workshop.

- **details**
the wide spaces for practical activities are an integration to the classrooms for didactic purposes. the carpentry and “mooring structure” offer a service to internal and external users.

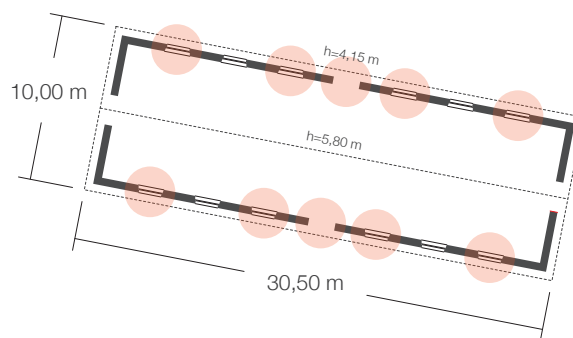




- **previous function**
detonators storage.

- **dimensions**
surface: 305 m²
volumetry: 1.470 m³

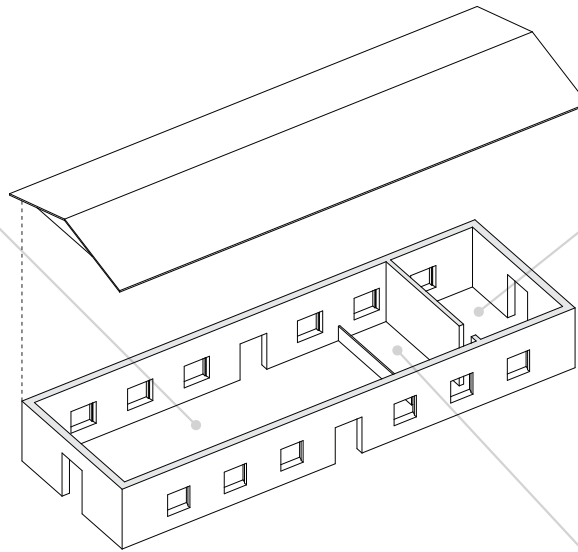
- **more**
intact coverage.
practicable widows without
obstructions.
entrances with doors.
eight of the twelve windows has
been walled up.



scale 1:500

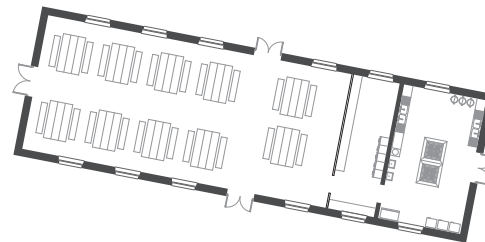


canteen:
it can be used also as
common space and
gathering point.
185 m²



kitchen:
related to the canteen.
50 m²

bar and serving area:
28 m²



- **new function**
canteen / bar.

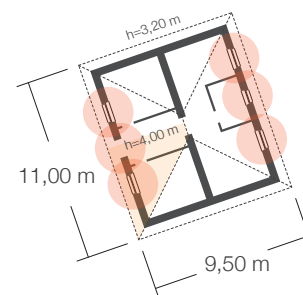
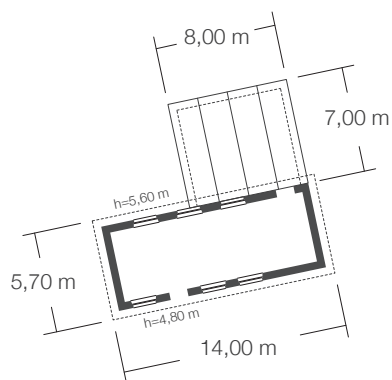
- **details**
the structure is a service for the
settlement, working for inside but
also for outside users which can
gather from the nearby structure.
it can be lead by local restaura-
teur.



- previous functions**
 laundry / restroom.
 site chief accomodation.

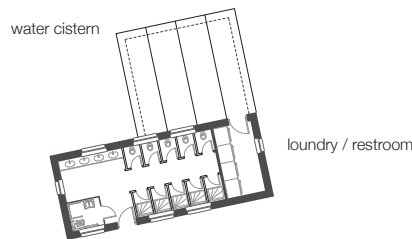
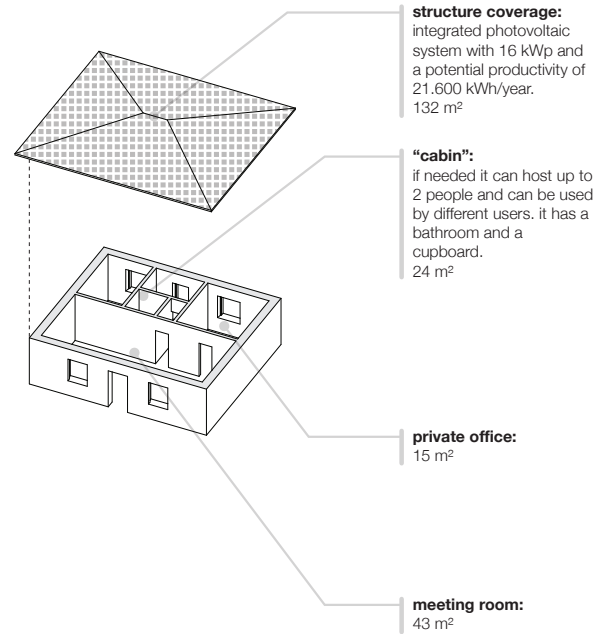
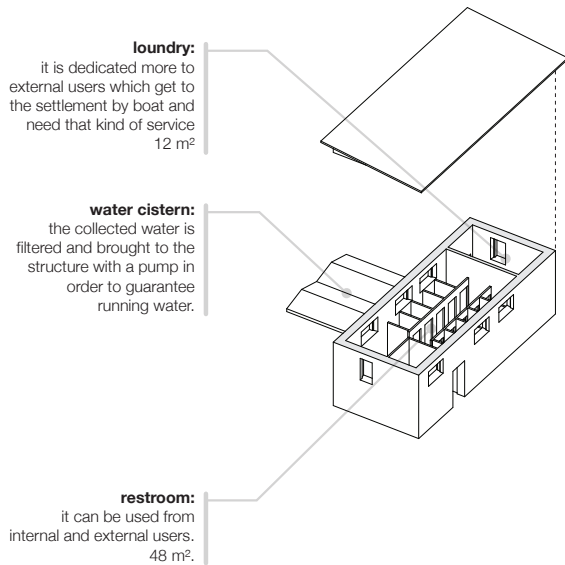
- dimensions**
 surface: $80 \text{ m}^2 + 104 \text{ m}^2$
 volumetry: 860 m^3

- more**
 small portion of the chief accomodation roof has collapsed.
 entrances and windows of the chief accomodation have been walled up.
 the windows of the restroom have iron gratings and frames.



scale 1:500





- **new functions**

laundry / restroom.
office for the energy management.

- **details**

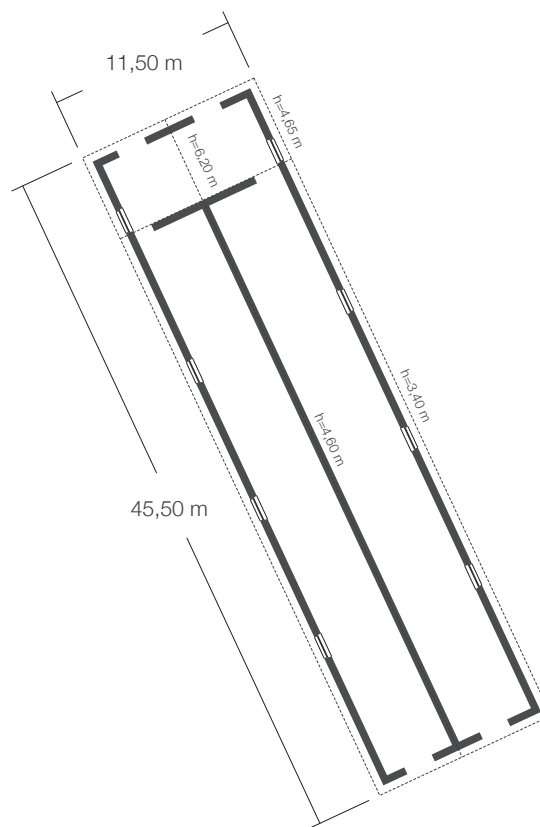
the laundry / restroom is a service for inside and outside users taking also advantage from the contiguous cistern.
the office for energy management coordinates and control the energy production system and is linked to the other offices of the archipelago network .



- **previous function**
dormitory.

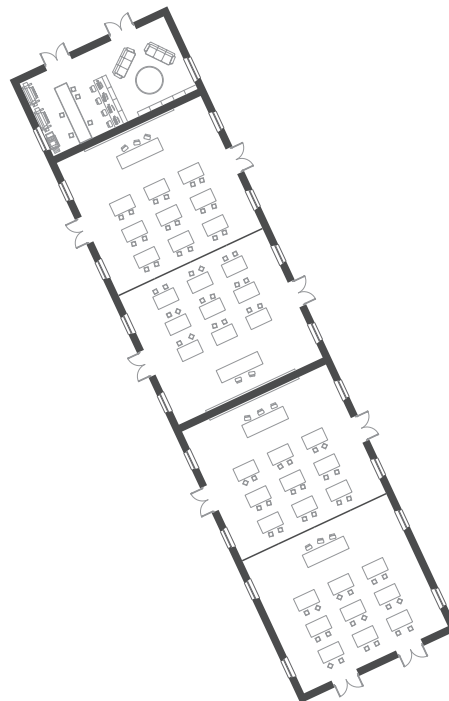
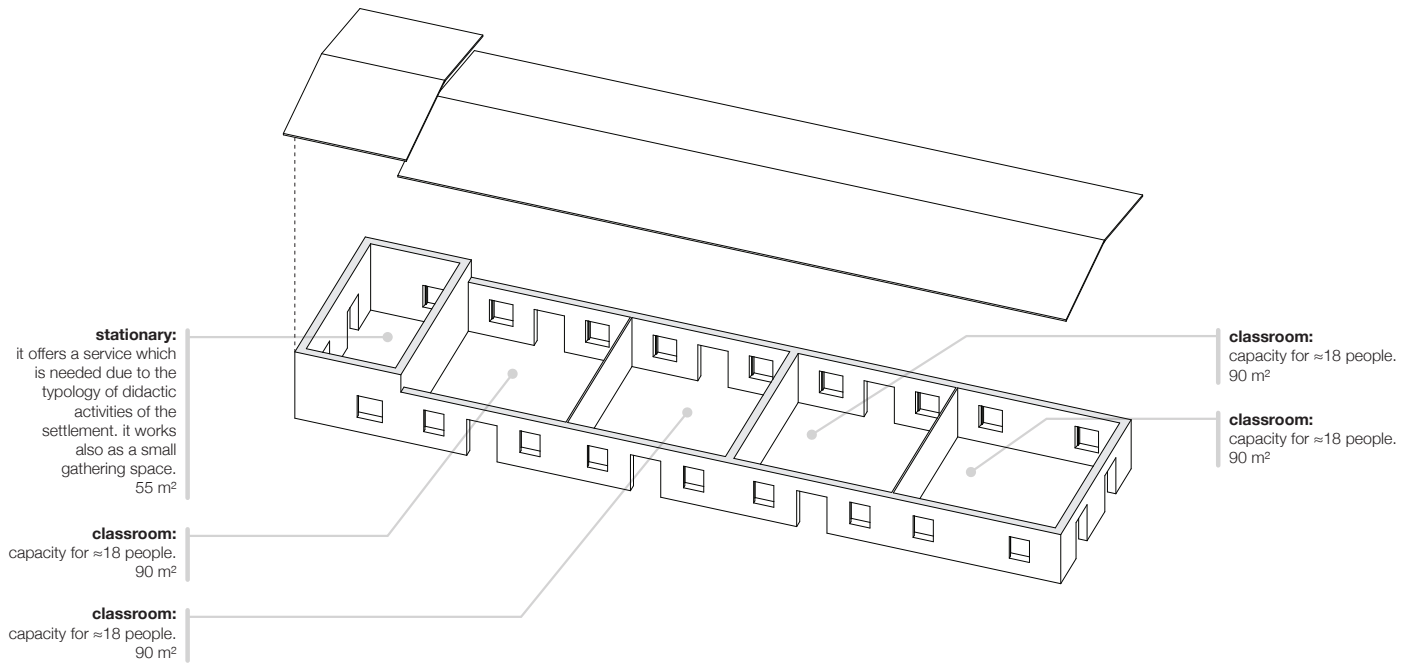
- **dimensions**
surface: 523 m²
volumetry: 2.080 m³

- **more**
intact coverage.
practicable entrances and widows
without obstructions.



scale 1:500





- **new functions**
classrooms / stationery.

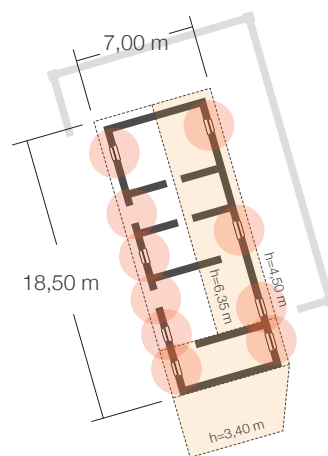
- **details**
four classrooms, which can be joined two by two, for didactical purpose in the nautical field, such as for example boat design, nautical engineering or event organization.



- **previous function**
pantry / kitchen.

- **dimensions**
surface: 130 m²
volumetry: 794 m³

- **more**
most part of the coverage has collapsed.
all the entrances and windows have been walled up.
the building has a surrounding wall on the northern and eastern part.



scale 1:500



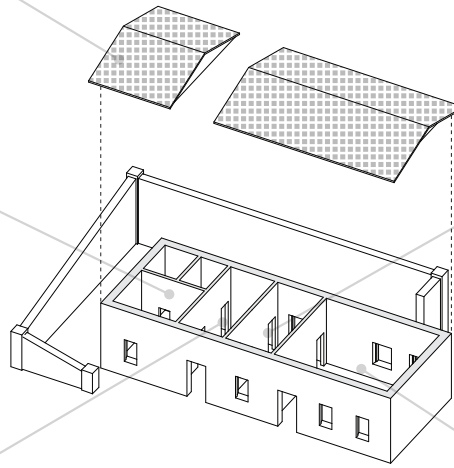
structure coverage:
integrated photovoltaic
system with 17 kWp and
a potential productivity of
23.700 kWh/year.
140 m²

"cabin":
if needed it can host up
to 2 people and can be
used by different users. it
has a bathroom and a
cupboard.
24 m²

internal patio:
closed but not covered
area which divides the
working space from the
"cabin" making the two
spaces independent.
17 m²

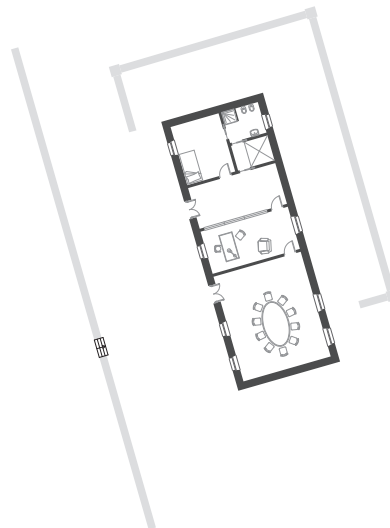
private office:
18 m²

meeting room:
43 m²



- **new function**
archipelago network spot /
national park office.

- **details**
the structure offers information
about the archipelago to the
visitors but is also an organization
and coordination center for the
whole network.
the reconstruction of the roof
offers the opportunity to integrate
a photovoltaic system.

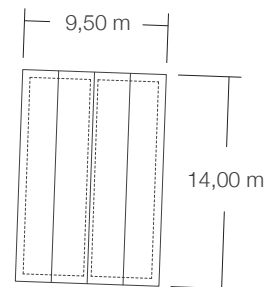
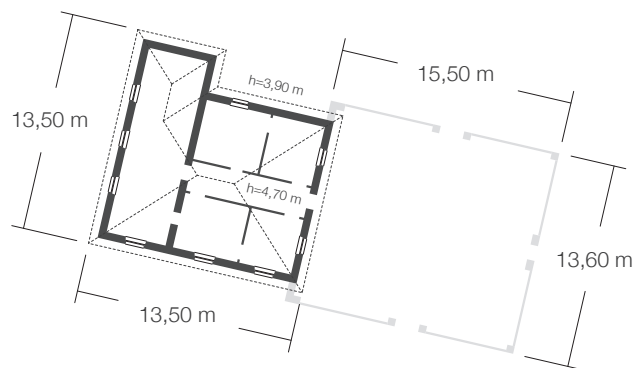




- **previous function**
site chief accomodation / office.

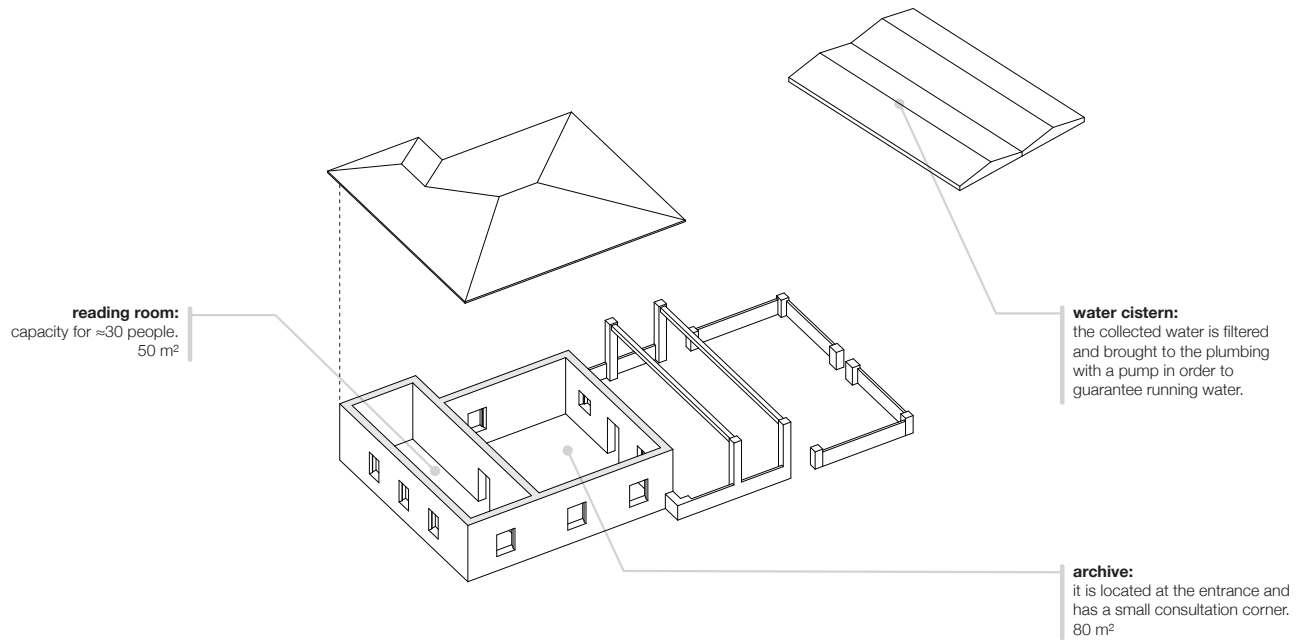
- **dimensions**
surface: 182 m²
volumetry: 665 m³

- **more**
intact coverage.
practicable entrance don't have any obstructions.
most of the windows have iron gratings and frames.
small stone fence in front of the house door.



scale 1:500

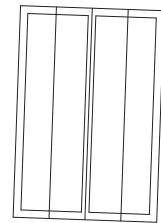




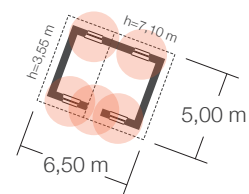
- **new function**
library.

- **details**

a small library, managed by the municipal library, offers to the inside and outside users a research and study area. the garden can be partially covered and used as an outside area with tables and seats. moreover the nearby cistern will be reactivate for water collecting.



water cistern



- **previous functions**

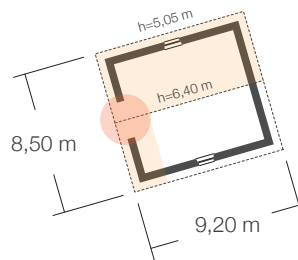
guardhouse.
warehouse.

- **dimensions**

surface: $78 \text{ m}^2 + 48 \text{ m}^2$
volumetry: 745 m^3

- **more**

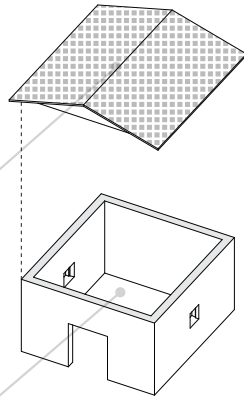
guardhouse and a small part of
the warehouse with intact
coverage.
practicable widows without
obstructions.
entrances have been walled up.
guardhouse with an elevated
position



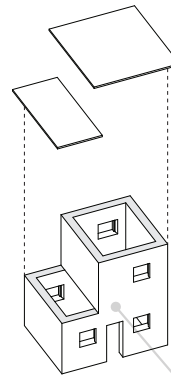
scale 1:500



classroom coverage:
integrated photovoltaic
system with 12 kWp and
a potential productivity of
17.200 kWh/year.
102 m²

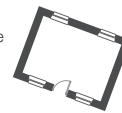


energy warehouse:
technical space for the
energy resource
management.
61 m²

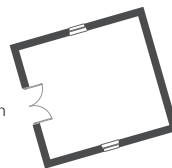


weatherstation:
technical space for the
weather data
management.
22 m²

energy warehouse



weatherstation



- **new functions**

weatherstation.
energy warehouse.

- **details**

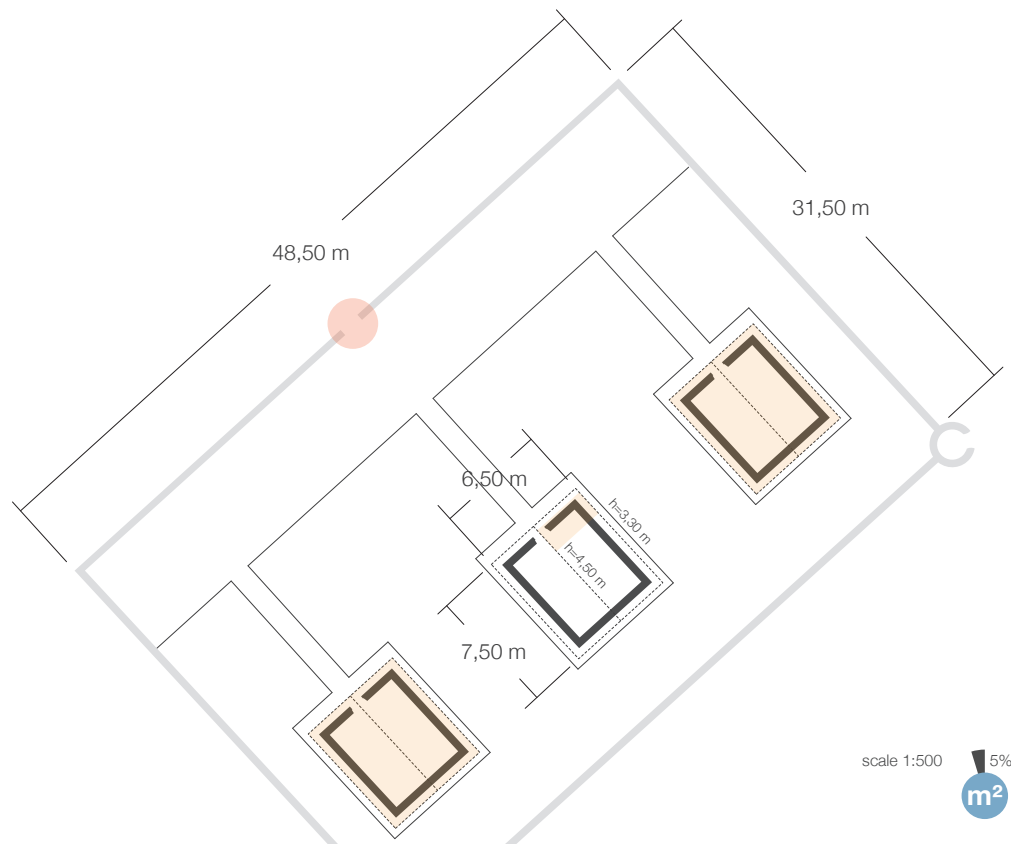
the weatherstation interact with the other terminals in the archipelago to guarantee a full meteorological and climatic overview. the energy warehouse is where the produced energy is stored and controlled.



- **previous function**
ammunition depots.

- **dimensions**
surface: 120 m² (+ 1.530 m² of fence)
volumetry: 360 m³

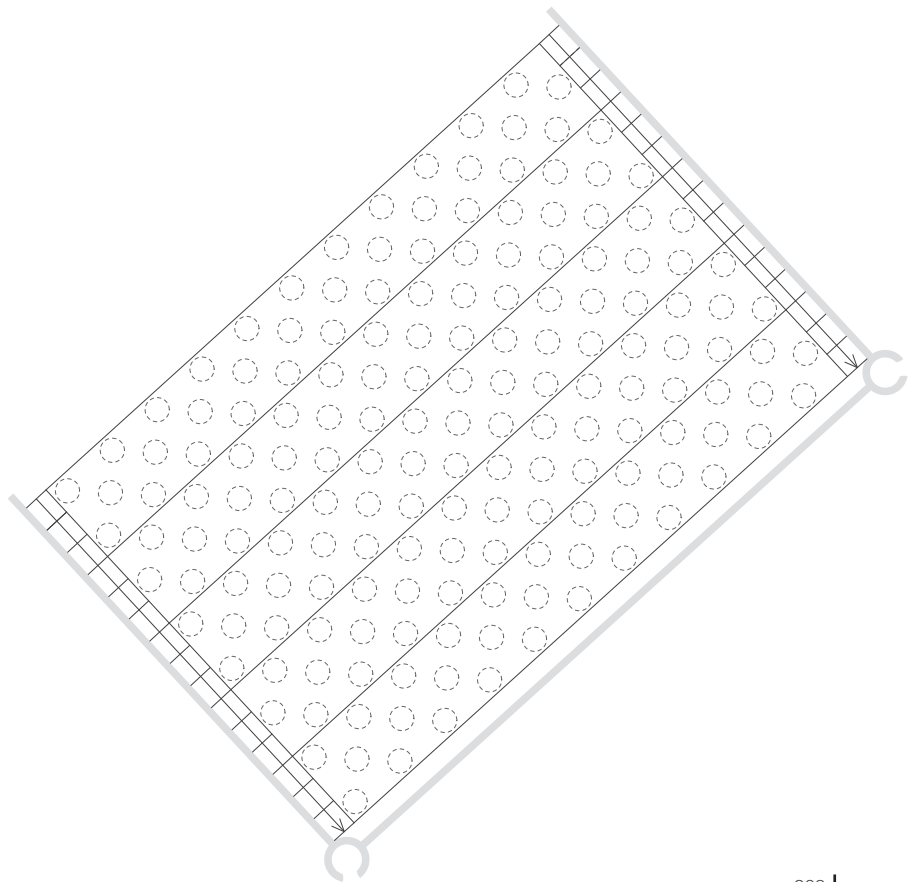
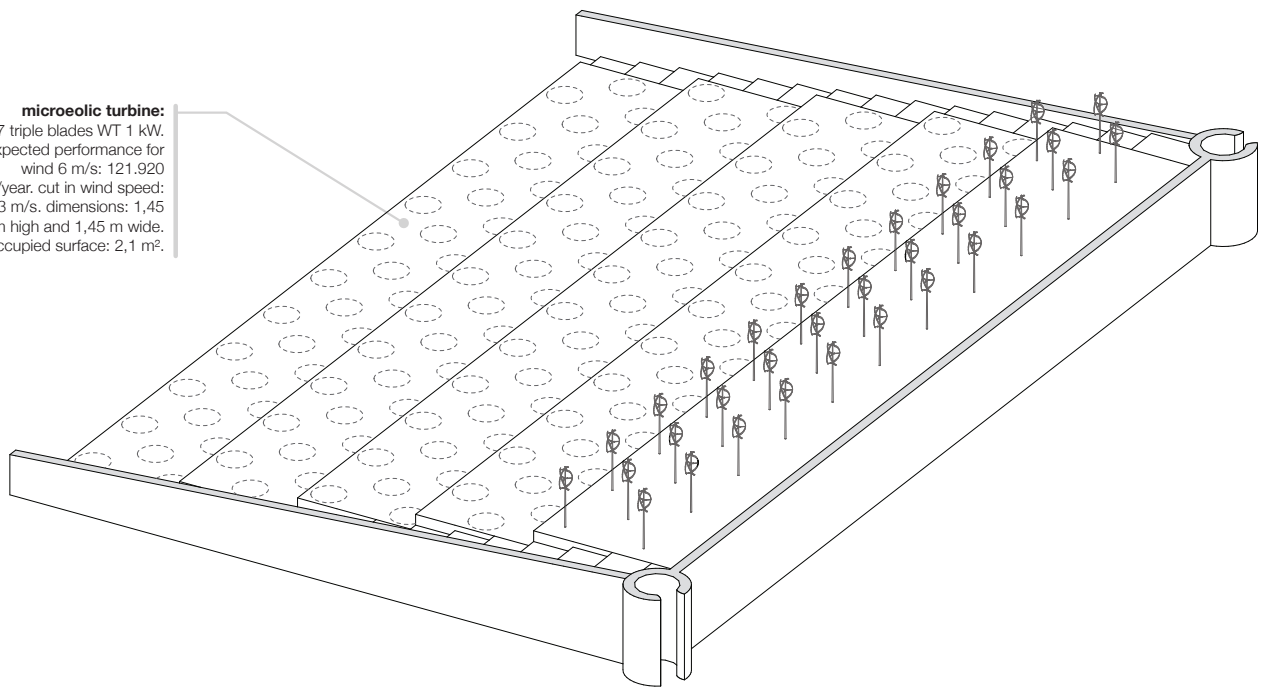
- **more**
one of the three deposit has collapsed.
most part of the coverage has collapsed.
the entrance of the enclosure has been walled up.
a thick vegetation covers the whole surface.



scale 1:500



microeolic turbine:
127 triple blades WT 1 kW.
expected performance for
wind 6 m/s: 121.920
kWh/year. cut in wind speed:
of 3 m/s. dimensions: 1,45
m high and 1,45 m wide.
occupied surface: 2,1 m².



- **new function**
eolic field.

- **details**
the existing crumbling structures
are completely demolished
expection made for the perimetral
wall wich will mark the border of
the microeolic field. the orientation
guarantees a favourable exposure
to the winds in the archipelago.



research:	0 m²	0%
didactic:	1182 m²	55%
management:	234 m²	11%
service:	602 m²	28%
energy:	126 m²	6%



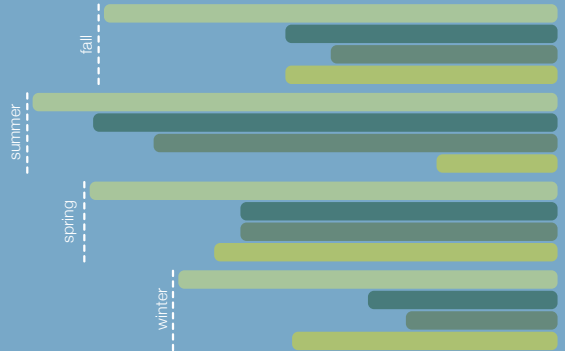
energy production surface: 783 m²
system features: 97 kWp
potential productivity:
130.950 kWh/year

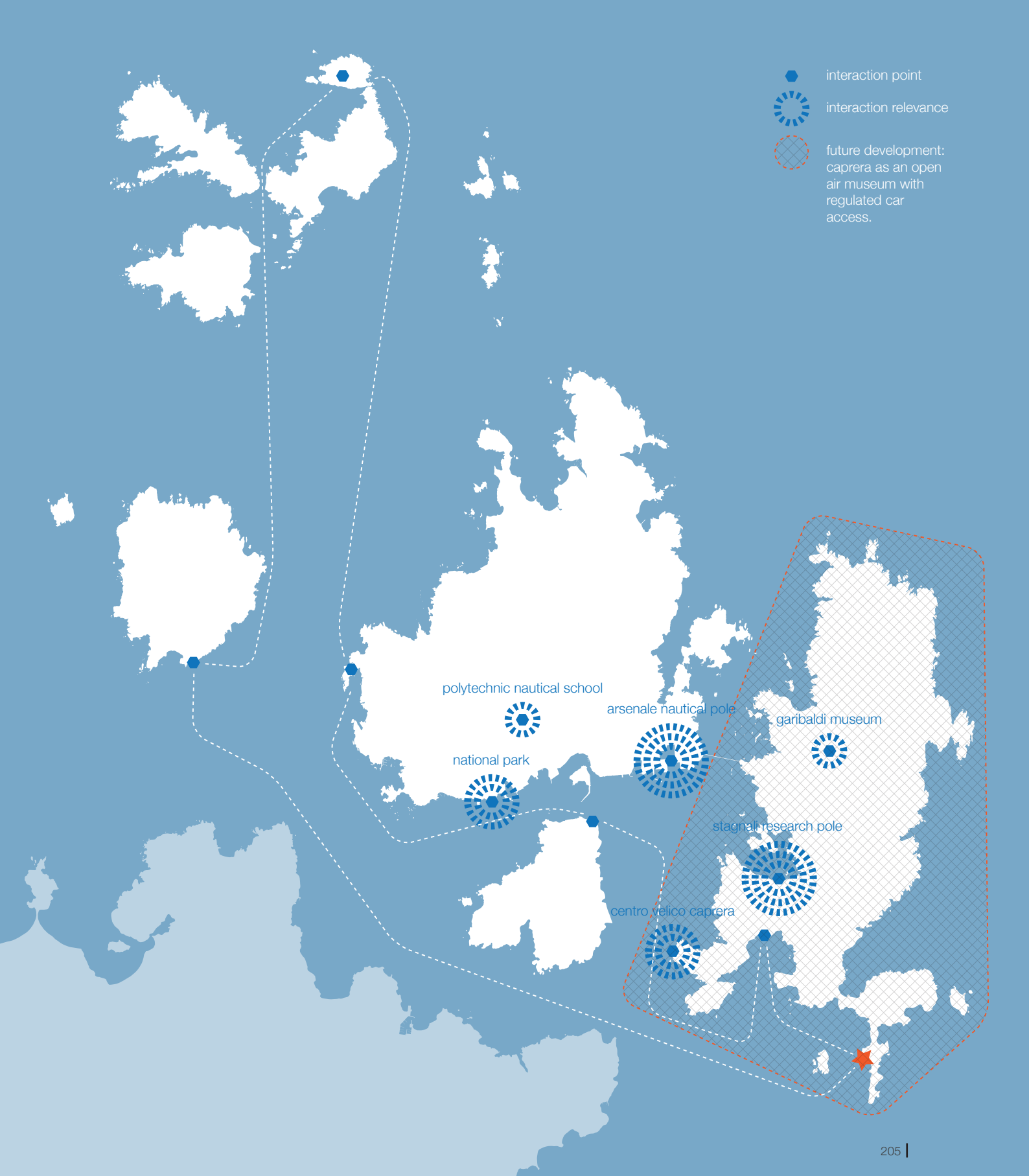


energy production surface: 1.500 m²
system features: 125 kWp
potential productivity:
120.000 kWh/year



total potential productivity:
250.950 kWh/year





- interaction point
- interaction relevance
- future development: caprera as an open air museum with regulated car access.

polytechnic nautical school



arsenale nautical pole



garibaldi museum



national park



stagnali research pole



centro velico caprera





PORTO PALMA

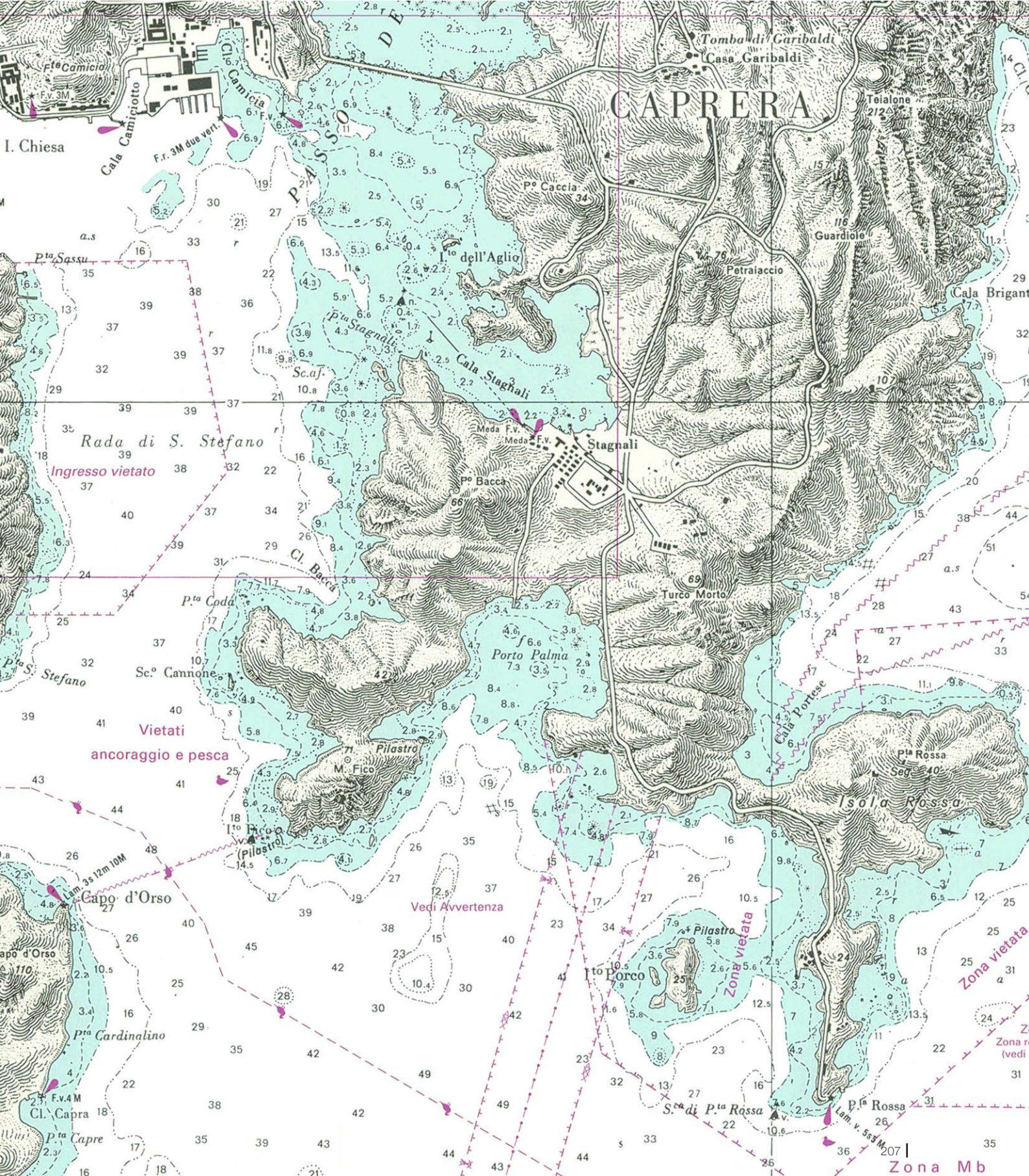
location:

caprera

coordinates:

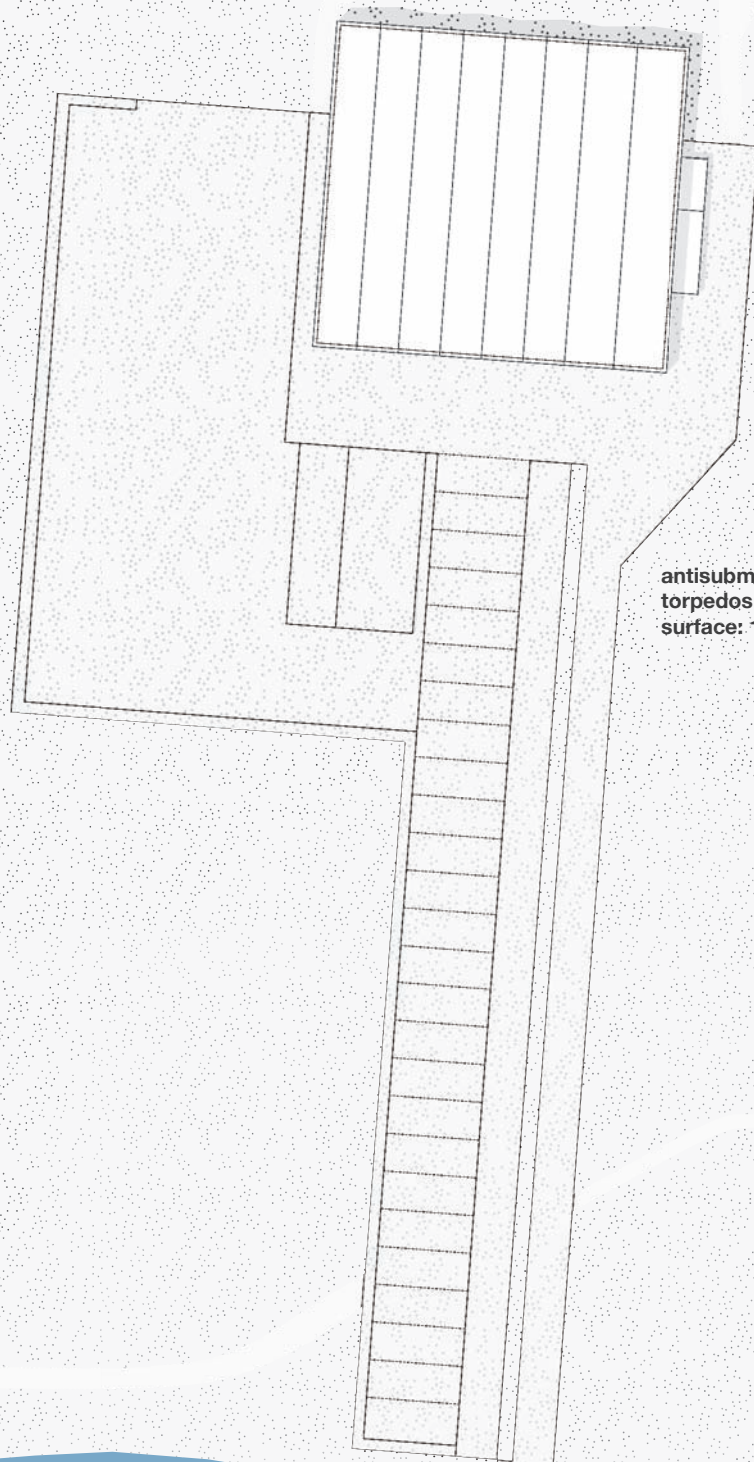
41°11,30'N - 9°27,01'E

the settlement of porto palma is a didactic pole which is dedicated to the training of regatta teams and improvement of sailing instructors. the structure works joint to the centro velico caprera which will manage it, and offers open services and support mainly to mariners.



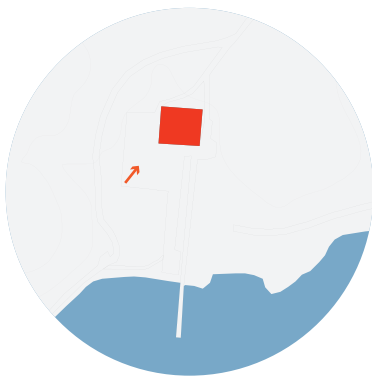
CAPRERA

Zona Mb



antisubmarine nets and
torpedos storages
surface: 1.923 m²

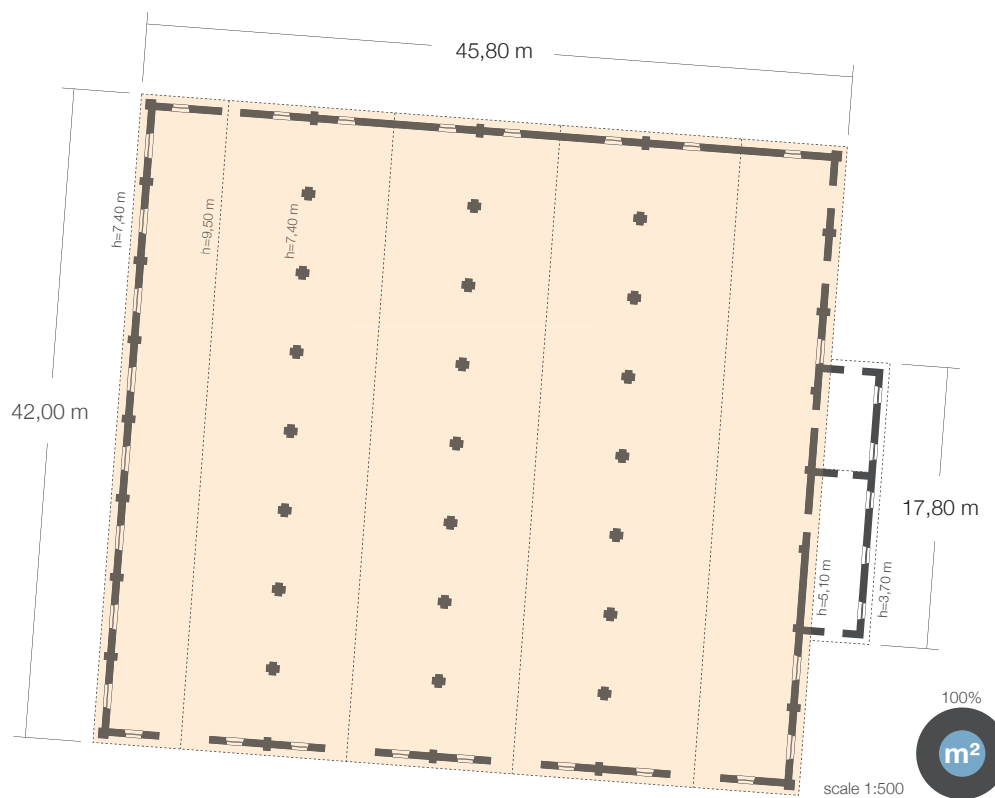


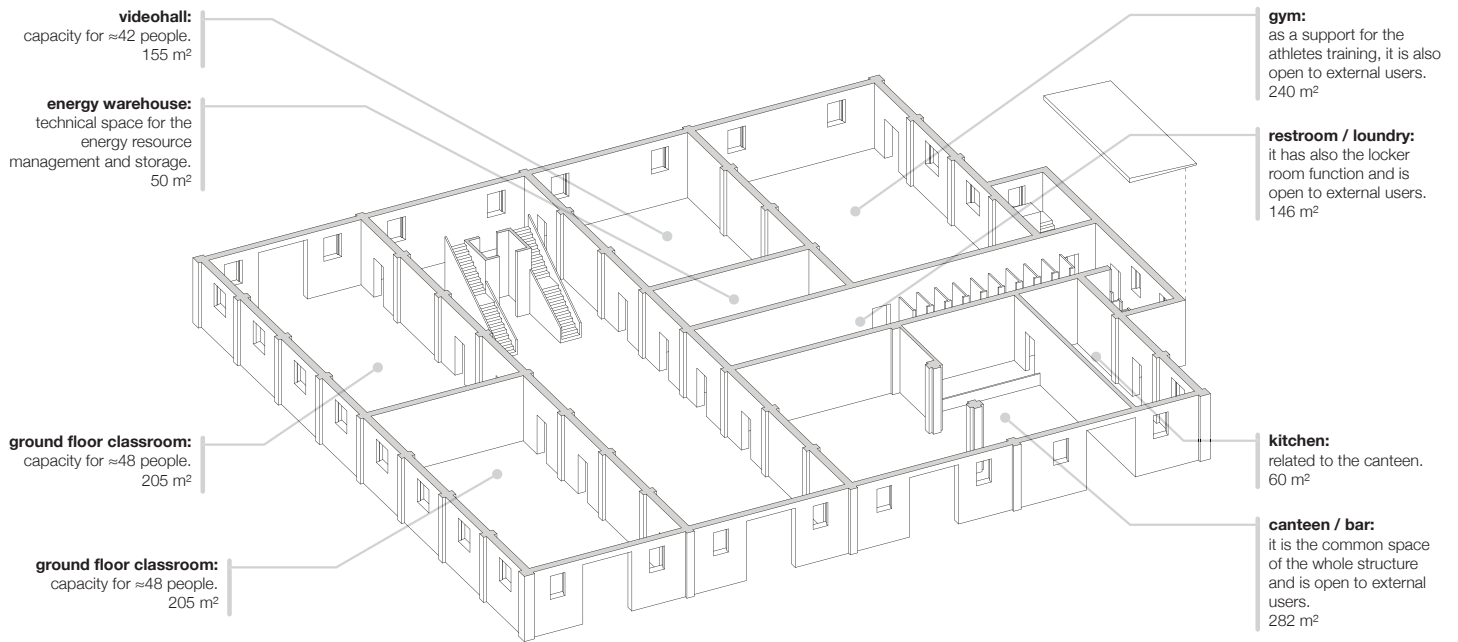


- **previous function**
ant submarine nets and torpedos storages.

- **dimensions**
surface: 1.923 m²
volumetry: 17.180 m³

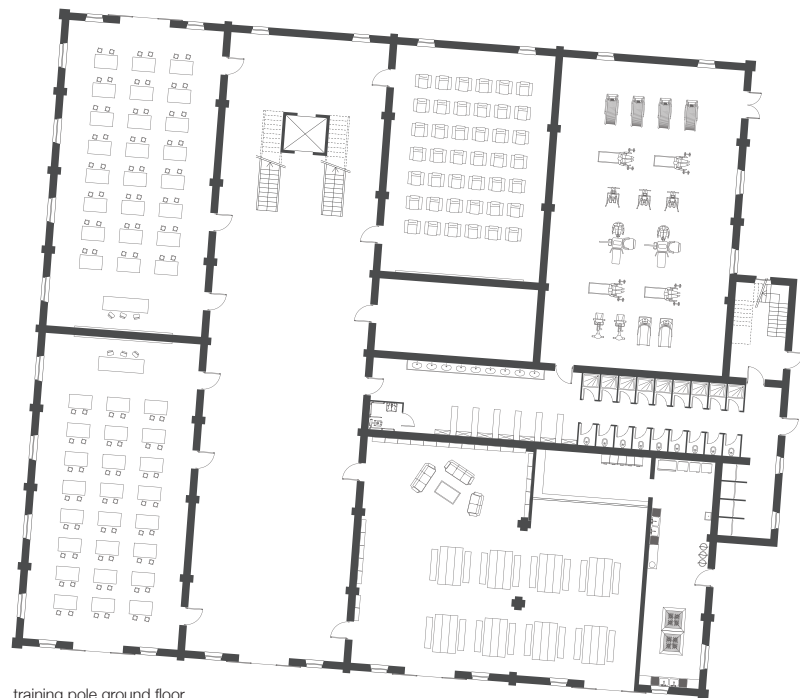
- **more**
most of the coverage presents high levels of decay due mainly to rust.
most of practicable entrances and widows with frames and iron gratings.





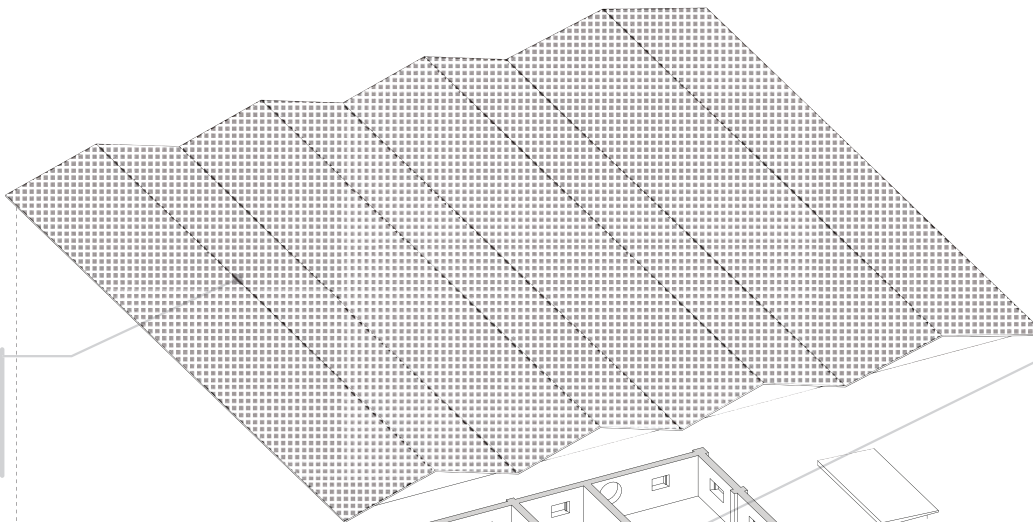
- **new function**
training pole for sailing boat
instructors and regatta teams.

- **details**
the structure has a didactic
purpose and can host lectures,
workshop and training sessions for
regatta teams which can practice
in the archipelago. the center is
also a formation and refresher pole
for the instructors of the different
schools which can gather from
different part of the world following
courses and seminars.



training pole ground floor





classroom coverage:
integrated photovoltaic system with 280 kWp and a potential productivity of 377.000 kWh/year. 2.239 m²

dormitory / "mooring structure":
small dormitory integrated with the emergency shelter for inside and outside users which can host max. 24 people for a short period. 146 m²

site chief office:
43 m²

storage:
43 m²

1st floor classroom:
capacity for ≈18 people. 100 m²

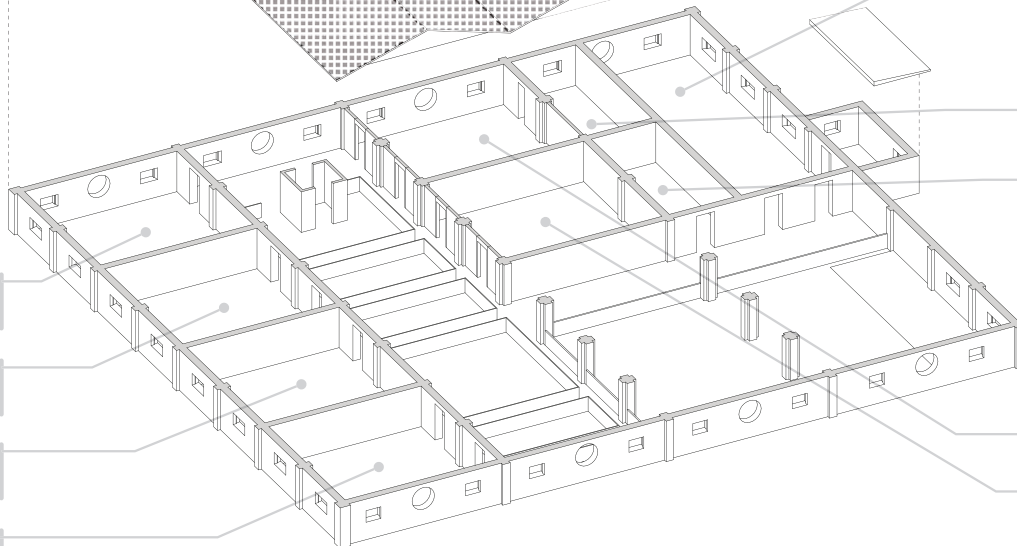
1st floor classroom:
capacity for ≈18 people. 100 m²

1st floor classroom:
capacity for ≈18 people. 100 m²

1st floor classroom:
capacity for ≈18 people. 100 m²

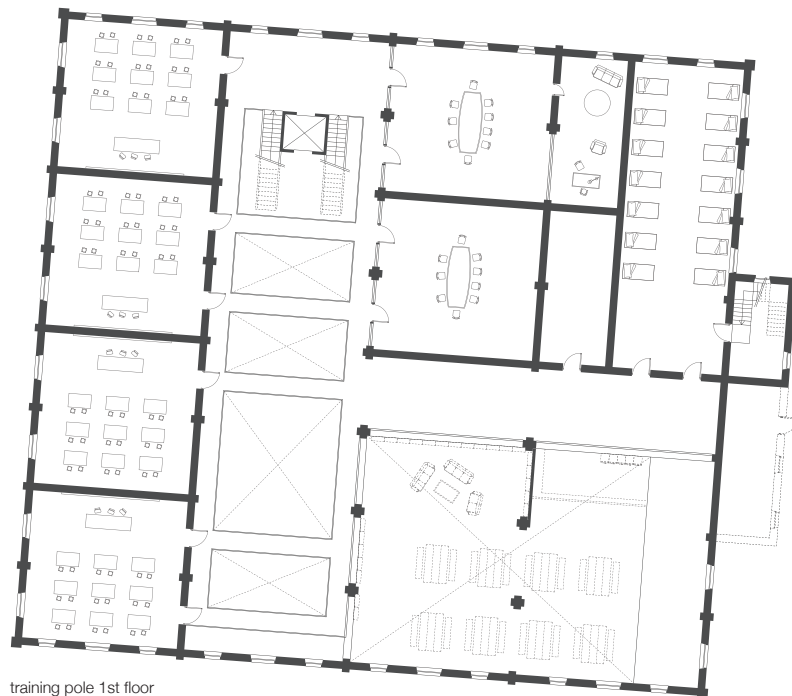
meeting room:
105 m²

meeting room:
105 m²



- **new function**
training pole for sailing boat instructors and regatta teams.

- **details**
the structure is also open to outside users which can make use of the services offered, such as the laundry and restrooms, the canteen and the "mooring structure" which has a mixed use between emergency shelter and small dormitory for short periods.



training pole 1st floor

*use



- research: 0 m² 0%
- didactic: 2182 m² 67%
- management: 0 m² 0%
- service: 995 m² 31%
- energy: 50 m² 2%



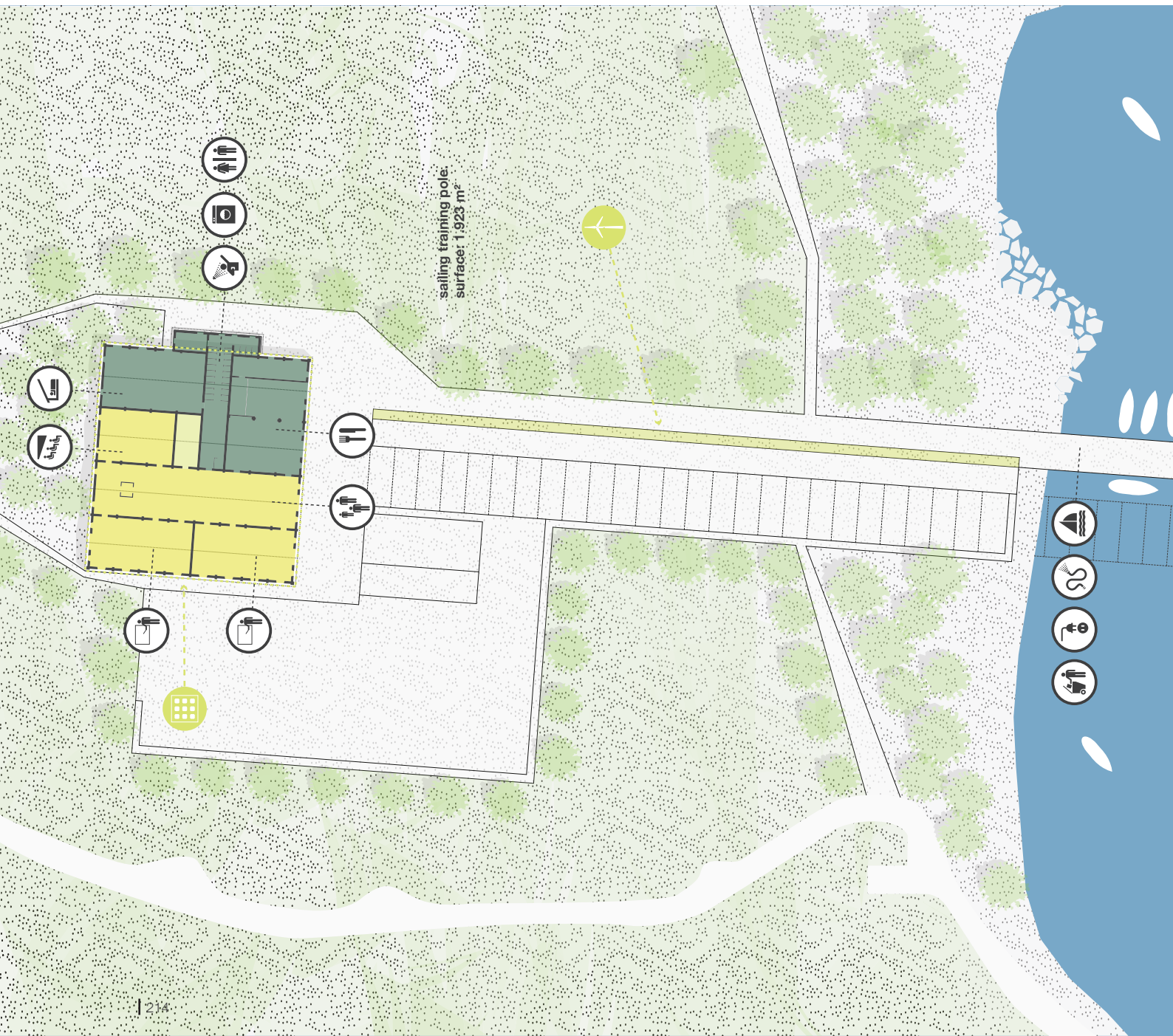
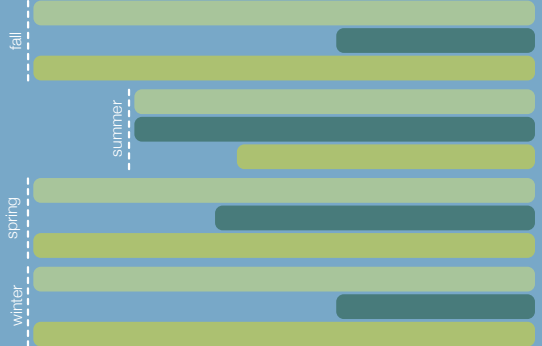
energy production surface: 2,239 m²
system features: 279 kWp
potential productivity:
376,650 kWh/year

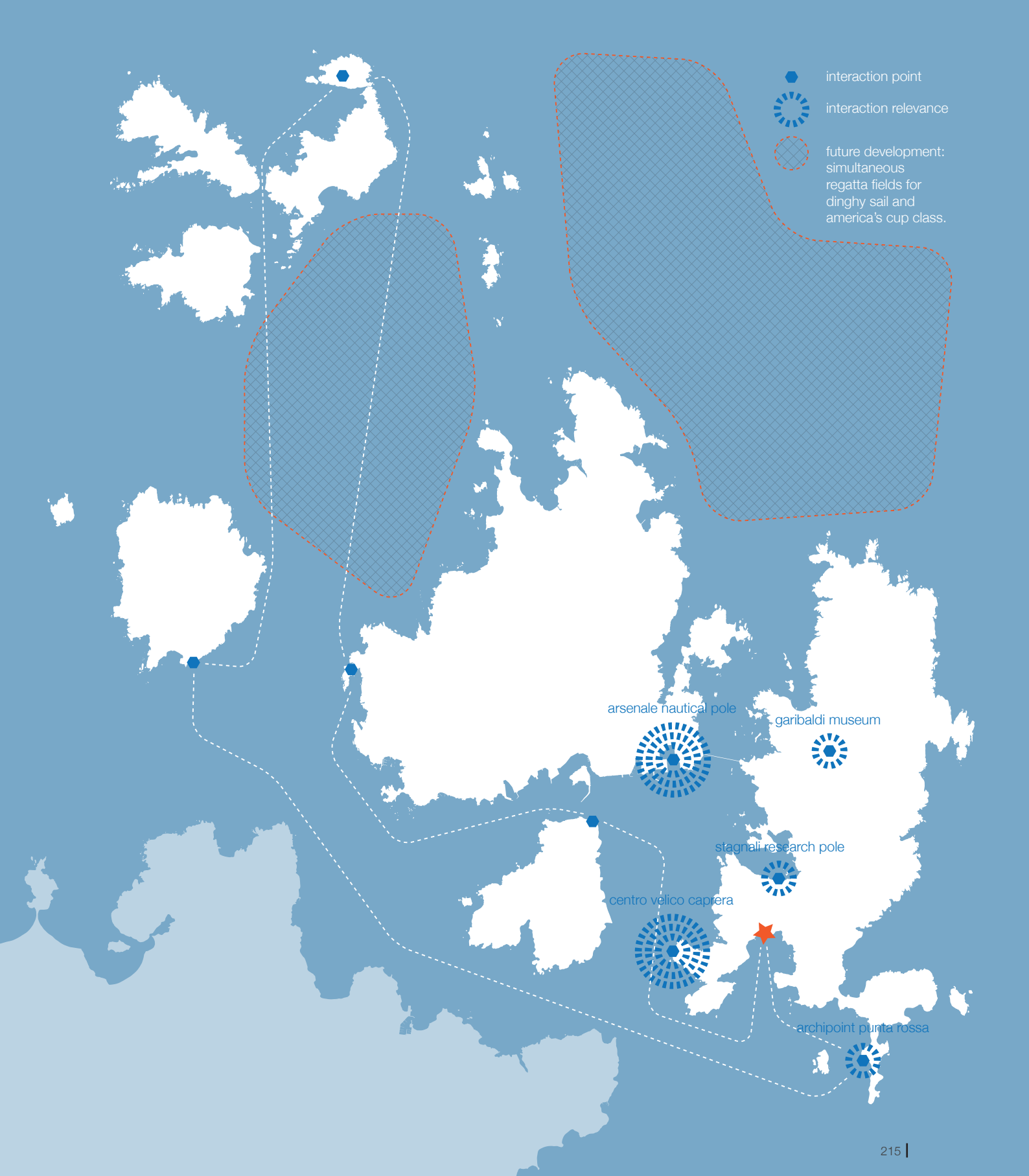





energy production surface: 100 m²
system features: 25 kWp
potential productivity:
24,000 kWh/year



total potential productivity:
400,650 kWh/year





-  interaction point
-  interaction relevance
-  future development: simultaneous regatta fields for dinghy sail and america's cup class.

arsenale nautical pole

garibaldi museum

stagnali research pole

centro velico capiera

archipoint punta fossa



PUNTA SASSU

location:

santo stefano

coordinates:

41°12,25'N - 9°25,09'E

the settlement of punta sassu is a didactic and research pole which delve into water pollution and marine environment. it offers support services to mariners and can host small seminars, workshops and courses on site offering suitable spaces and structures.

LA MADDALENA



n.a.
surface: 131 m²

warehouse
surface: 15 m²

deposit
surface: 24 m²

warehouse
surface: 98 m²

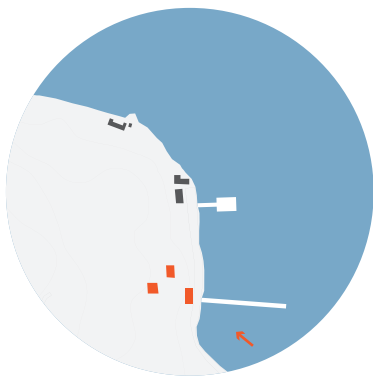
pumps room /
site chief billet
surface: 137 m²

kitchen / relax area
surface: 130 m²

gears roofing
surface: 151 m²

pumps room
surface: 153 m²





- **previous functions**

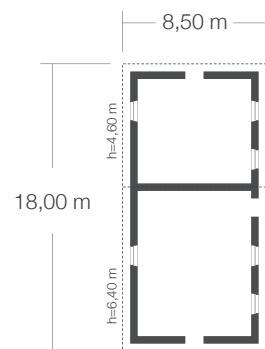
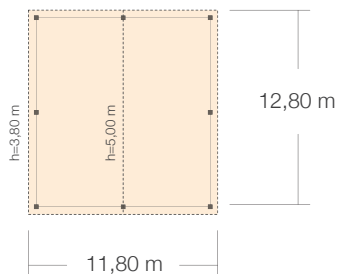
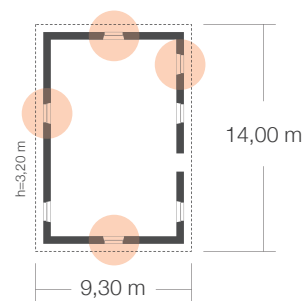
n.a.

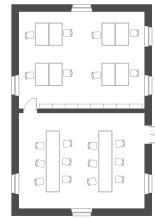
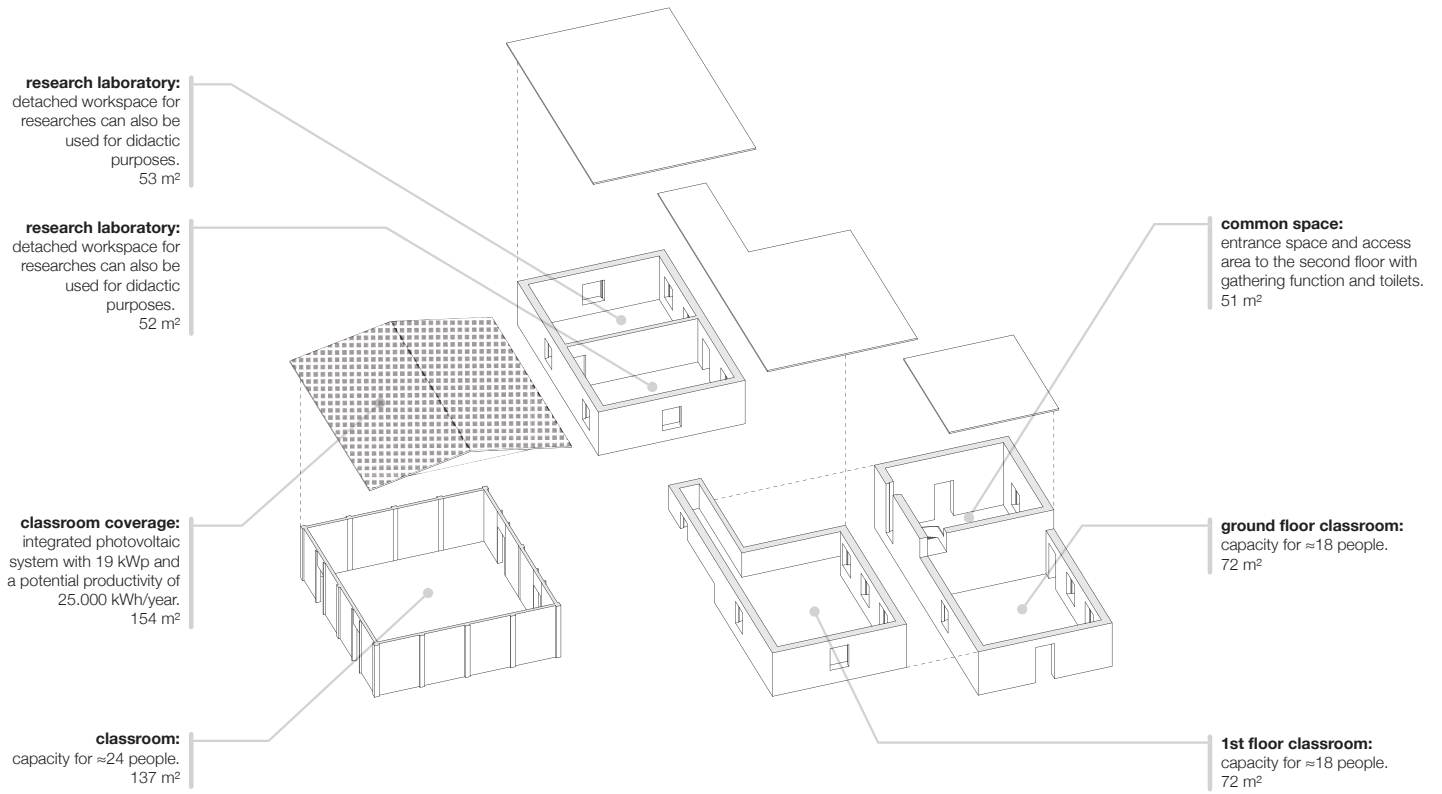
- **dimensions**

surface: $153 \text{ m}^2 + 151 \text{ m}^2 + 130 \text{ m}^2$
 volumetry: 1.260 m^3

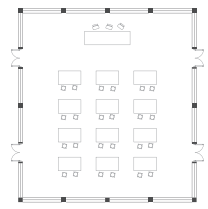
- **more**

the buildings have intact coverage
 while the shed has a rusty cover.
 practicable entrances and windows
 with frames.
 some windows have been walled
 up.

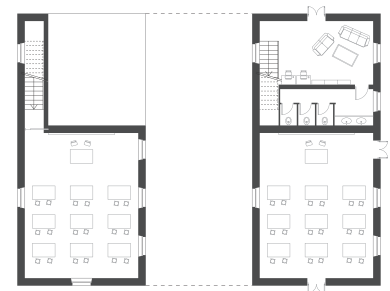




research laboratory



classroom

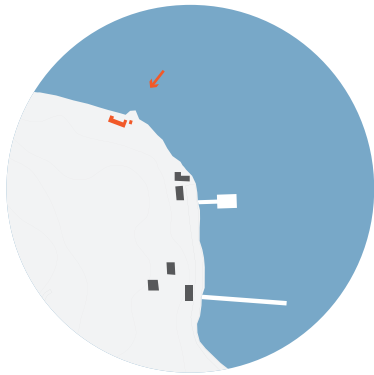


2nd floor classroom

1st floor classroom

- **new functions**
classrooms.
research laboratories.

- **details**
the shed has been converted in a light but closed structure which can host a classroom and has a photovoltaic system integrated in the roof. the research laboratories offer additional working space to the main research center.



- **previous function**

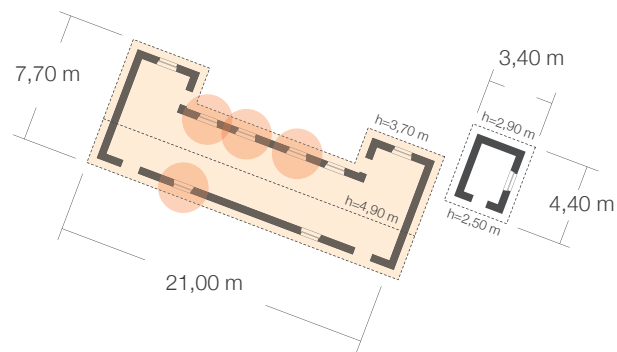
n.a.

- **dimensions**

surface: $131 \text{ m}^2 + 15 \text{ m}^2$
volumetry: 700 m^3

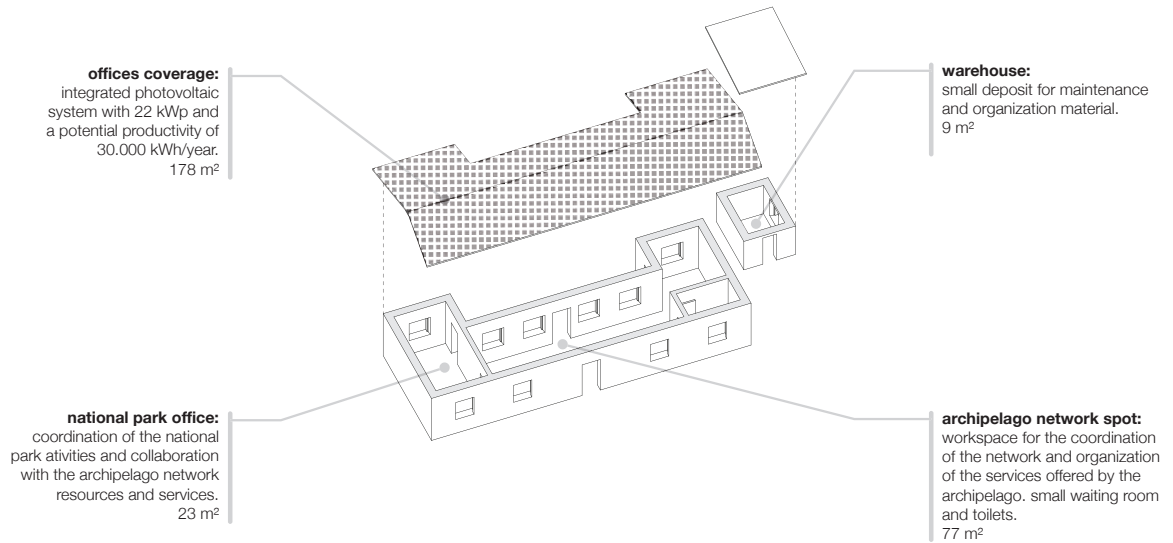
- **more**

the coverage has completely collapsed.
practicable entrances and widows without obstructions.
some of the windows have been walled up.

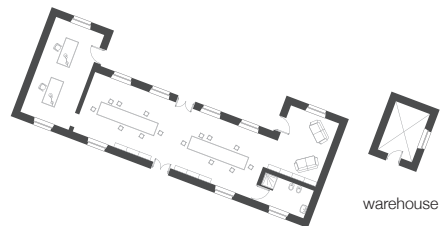


scale 1:500





archipelago network spot / national park office



● **new function**

archipelago network spot / national park office. warehouse.

● **details**

the structure offers information about the archipelago to the visitors but is also an organization and coordination center for the whole network. it is dislocated because, due to further development, could gain a strategic position. a photovoltaic system has been integrated in the roof.



- **previous function**

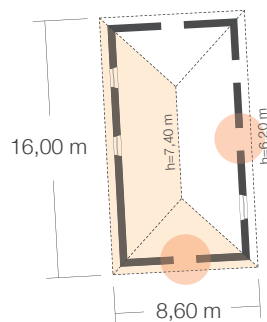
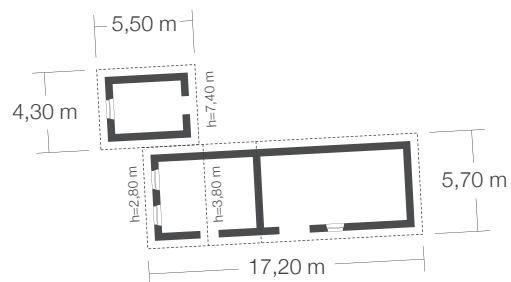
n.a.

- **dimensions**

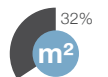
surface: $137 \text{ m}^2 + 98 \text{ m}^2 + 24 \text{ m}^2$
 volumetry: 1.380 m^3

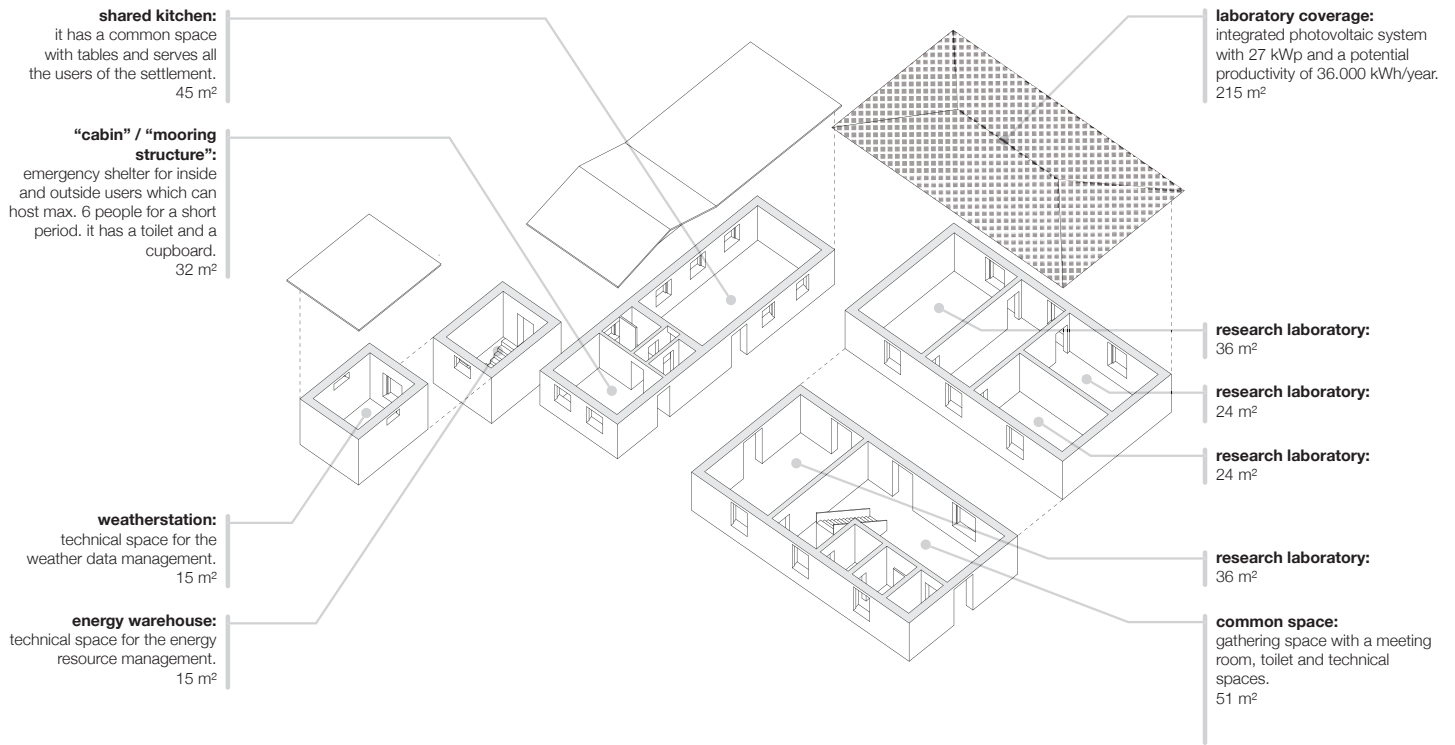
- **more**

most of the coverages are intact.
 entrances and windows with frames.
 some entrances have been walled up.



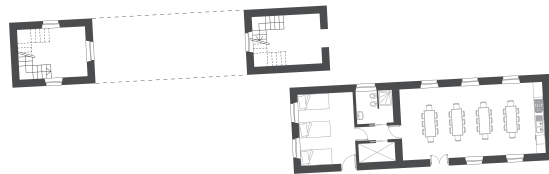
scale 1:500





1st floor weatherstation / energy warehouse

ground floor weatherstation / energy warehouse

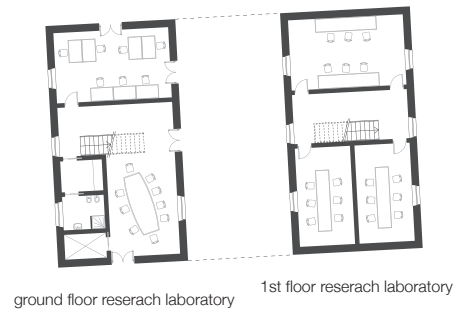


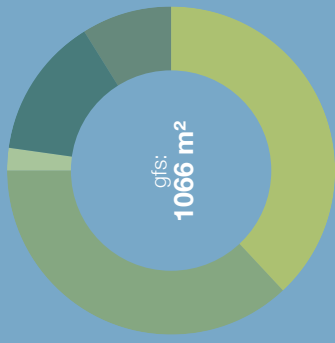
● **new functions**

- weatherstation / energy warehouse.
- "mooring structure" / shared kitchen.
- research laboratories.

● **details**

the laboratories researches focus on water pollution and marine environment supervision the sea quality of the archipelago. the laboratory has a photovoltaic system integrated in the roof.





- research: 404 m² 37%
- didactic: 394 m² 38%
- management: 146 m² 9%
- service: 98 m² 14%
- energy: 24 m² 2%



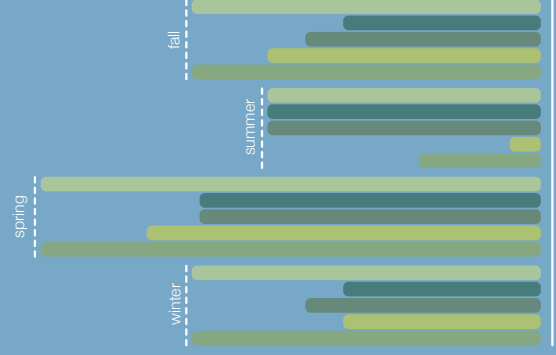
energy production surface: 547 m²
system features: 68 KWP
potential productivity:
91.800 kWh/year

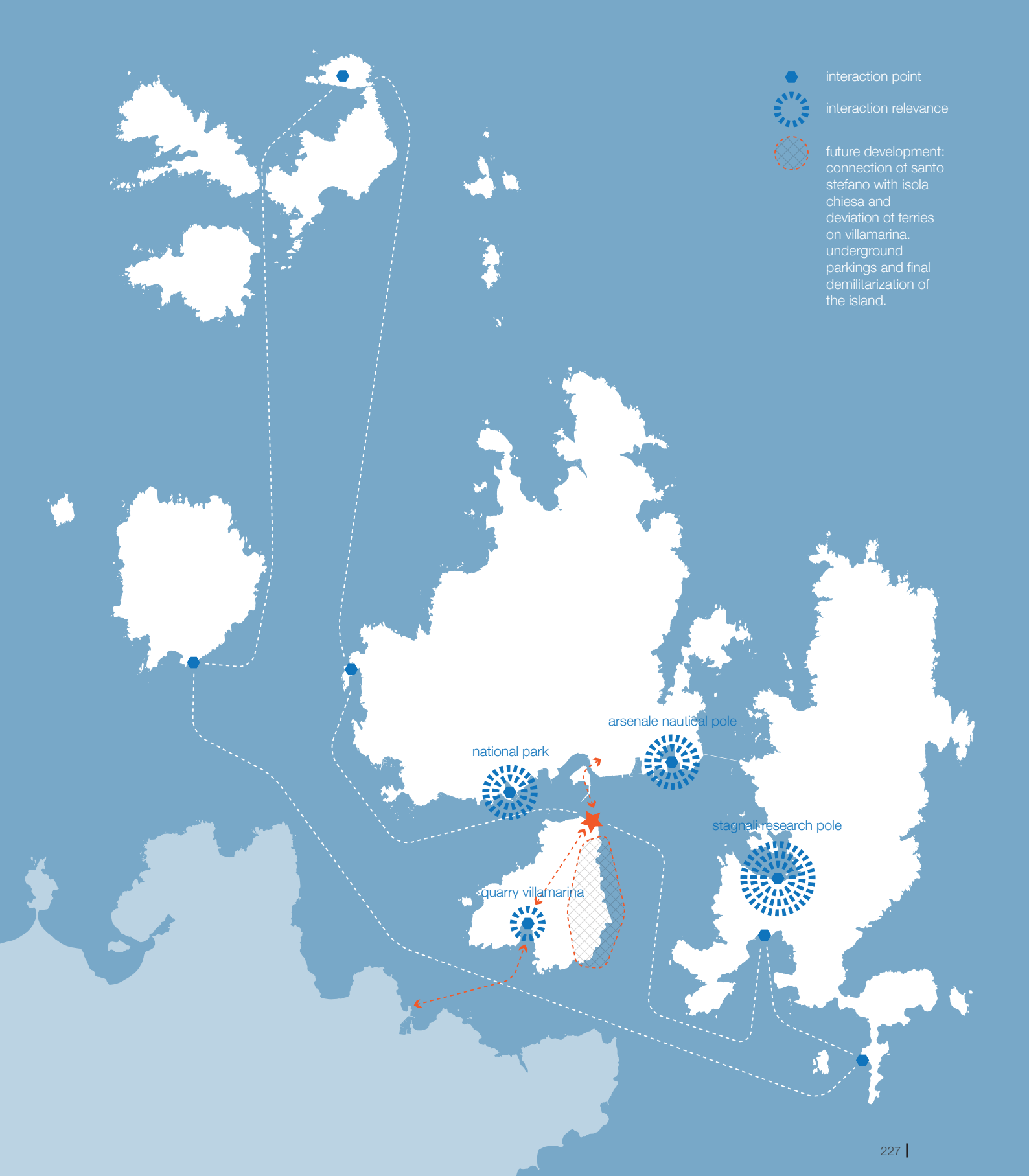


energy production surface: 124 m²
system features: 10 KWP
potential productivity:
9.600 kWh/year



total potential productivity:
101.400 kWh/year





- interaction point
- interaction relevance
- future development: connection of santo stefano with isola chiesa and deviation of ferries on villamarina. underground parkings and final demilitarization of the island.

national park

arsenale nautical pole

quarry villafarina

stagnali research pole



CALA FRANCESE

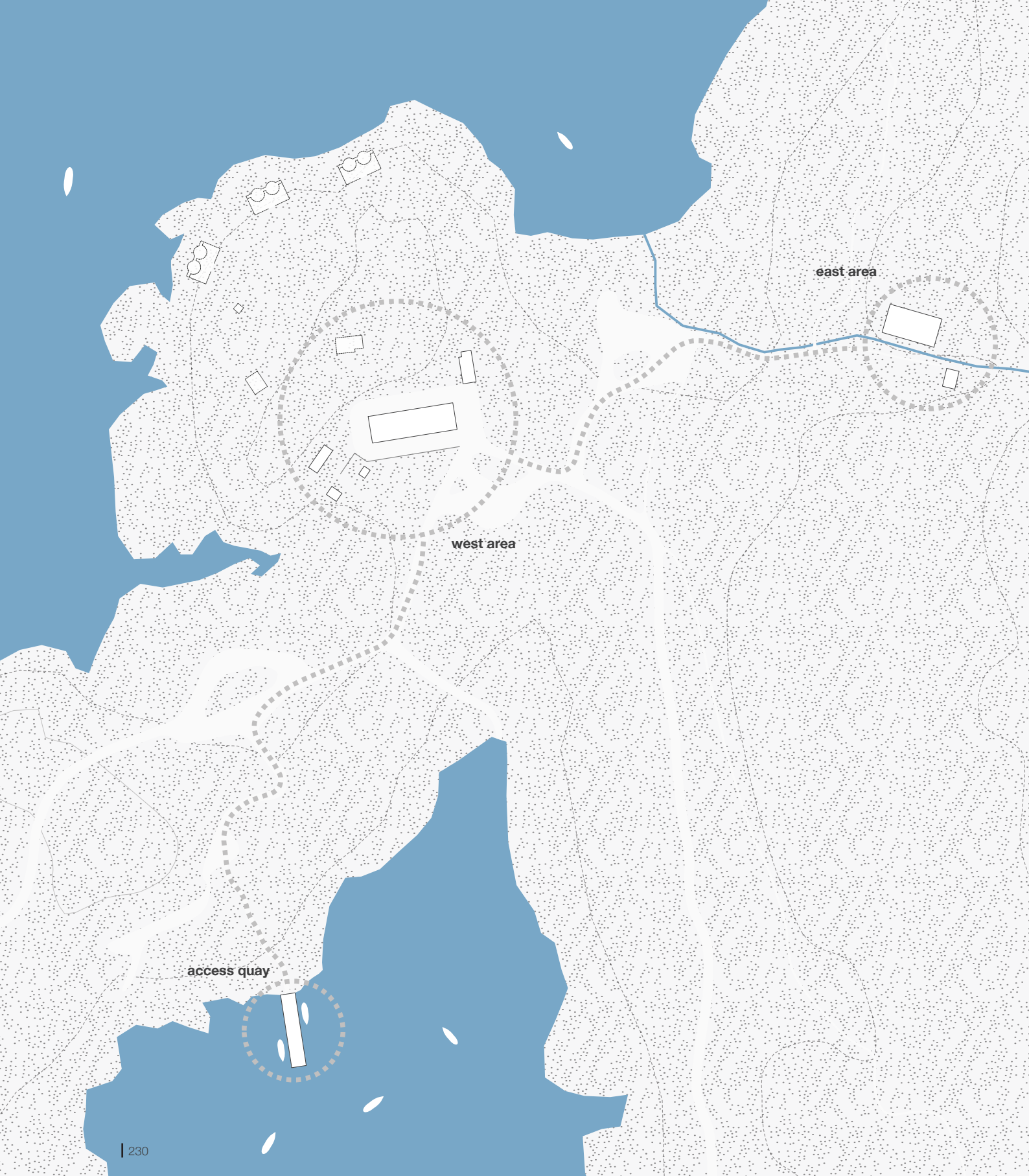
location:

la maddalena

coordinates:

41°13,46'N - 9°22,36'E

the settlement of cala francese is a didactic and research pole which delve into wind potential and sail technologies development. it offers support services to mariners, visitors and tourists and can host small seminars, workshops and courses on site offering suitable spaces and structures.



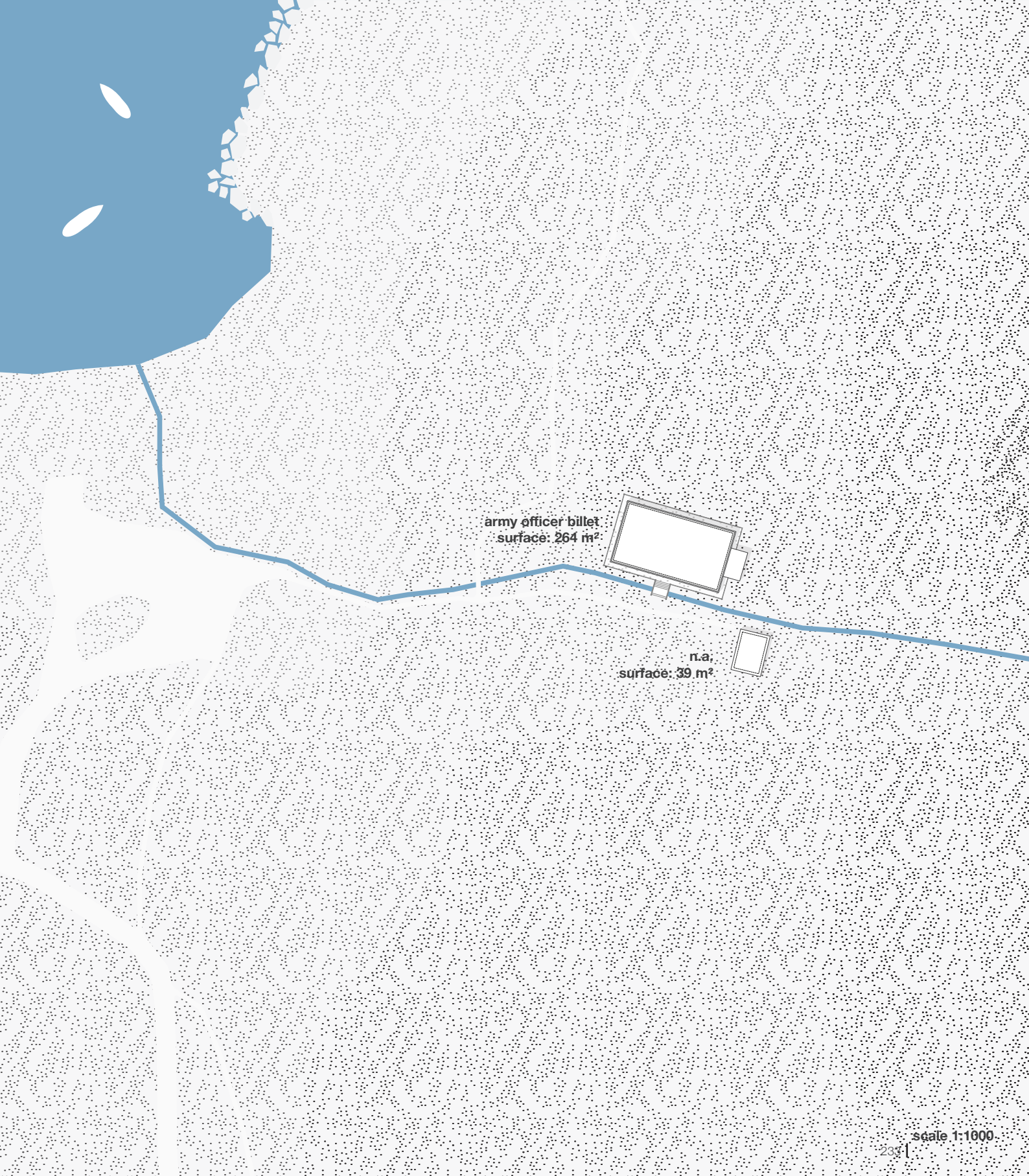
east area

west area

access quay







army officer billet
surface: 264 m²

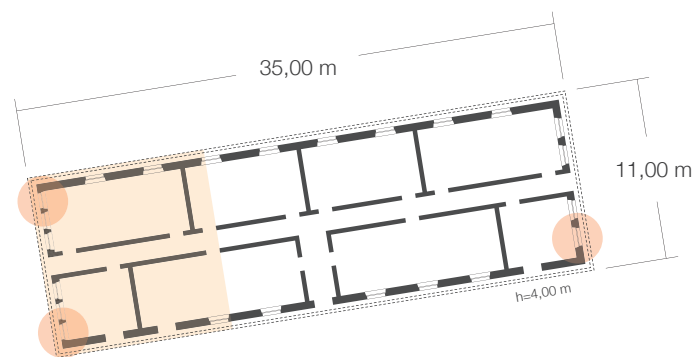
n.a.
surface: 39 m²



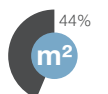
- **previous functions**
n.a.

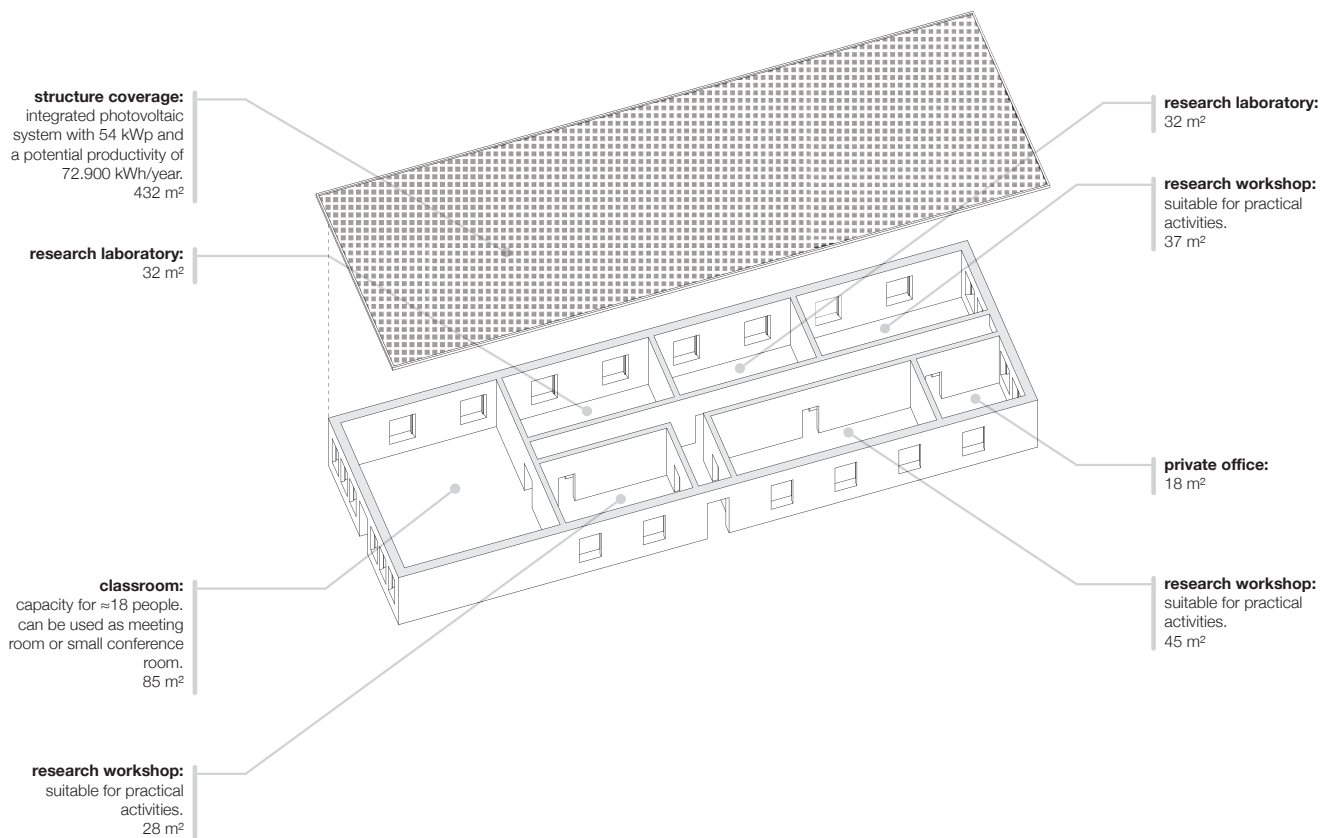
- **dimensions**
surface: 385 m²
volumetry: 1.540 m³

- **more**
the western part of the coverage
has collapsed.
part of the practicable entrances
and widows with obstructions .
some windows on the western and
eastern facade have been walled
up.



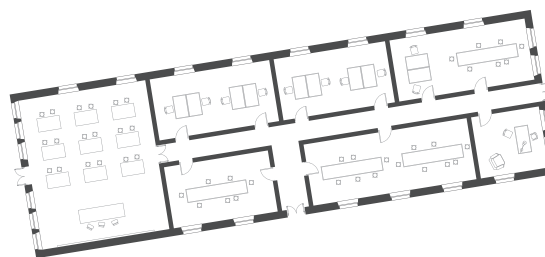
scale 1:500

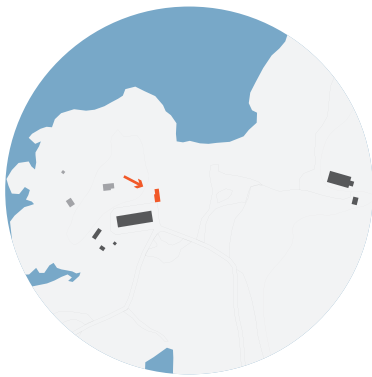




- **new function**
classroom / laboratories.

- **details**
the laboratories researches focus on the wind and the potential of eolic energy production systems usable in the archipelago.
moreover the worshop spaces offer the opportunity to develop local craftsmanship related to the wind such as sail technology.





- **previous functions**

n.a.

- **dimensions**

surface: 68 m²

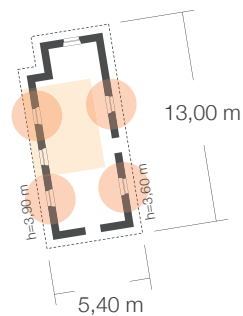
volumetry: 248 m³

- **more**

the western part of the coverage is damaged.

practicable entrances and windows have been provided with frames.

some of the windows on the western and eastern side have been walled up.

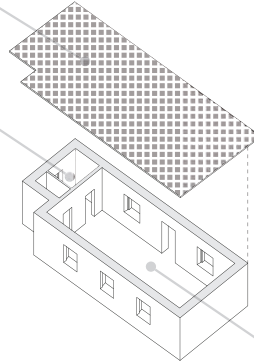


scale 1:500



structure coverage:
integrated photovoltaic
system with 9 kWp and a
potential productivity of
12.150 kWh/year.
76 m²

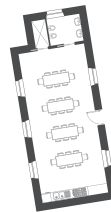
toilet / cupboard:
7 m²

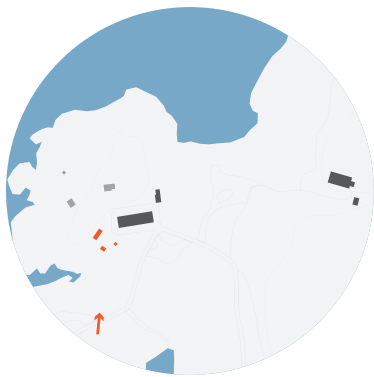


shared kitchen:
it has a common space
with tables and serves all
the users of the
settlement.
44 m²

- **new function**
shared kitchen

- **details**
the common kitchen leads to an
easier management compared to a
canteen and offers a gathering
space that works for internal and
external users. it has a private
toilet.





- **previous functions**

n.a.

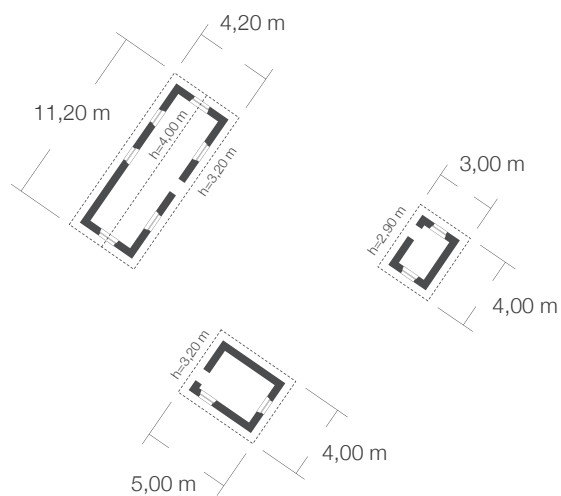
- **dimensions**

surface: $47 \text{ m}^2 + 20 \text{ m}^2 + 12 \text{ m}^2$

volumetry: 249 m^3

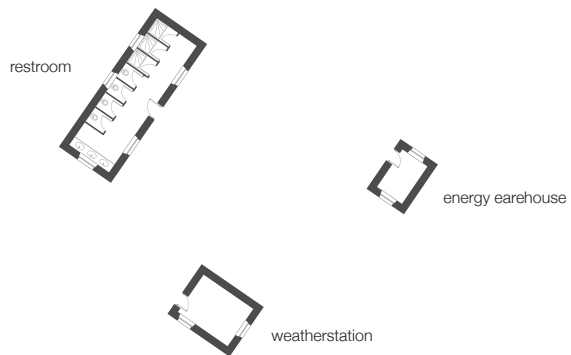
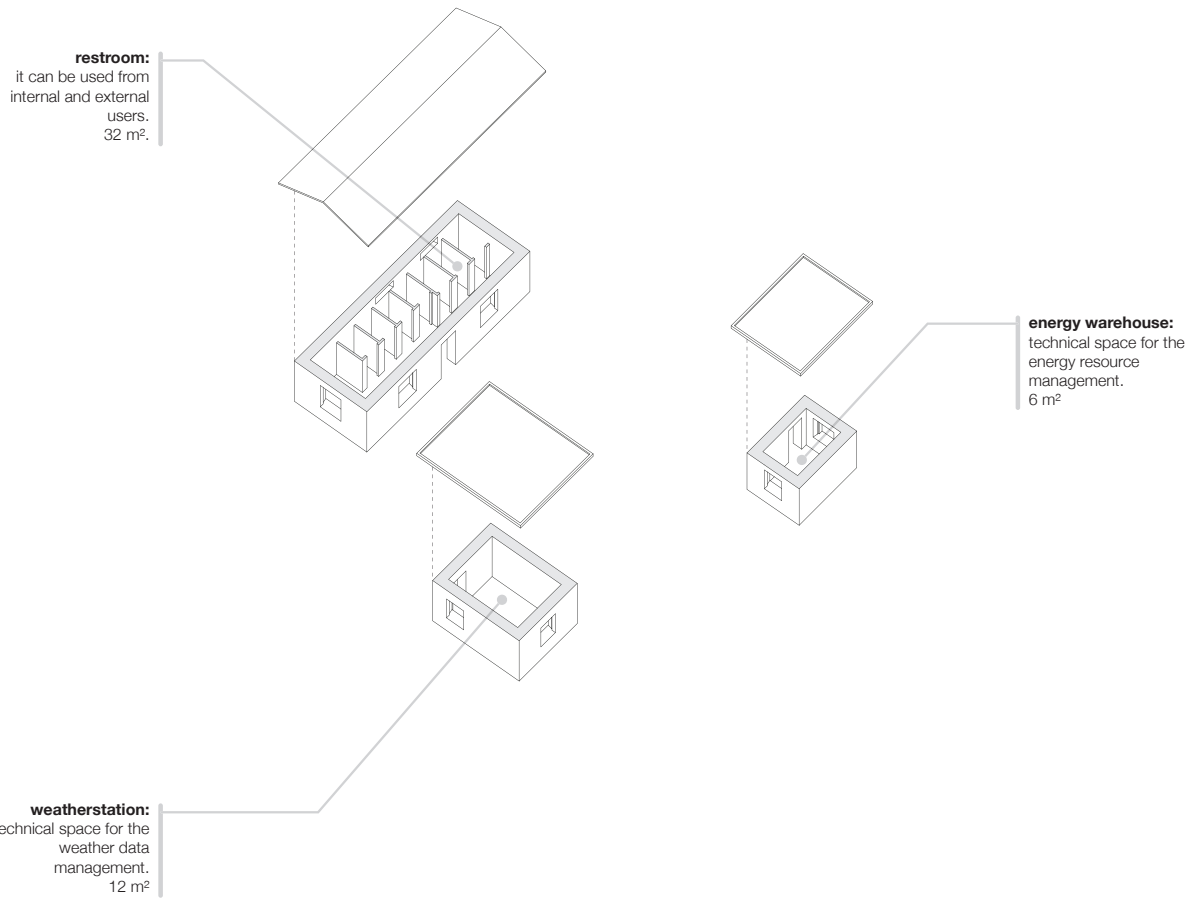
- **more**

the three building have been occupied and restored to different functions.



scale 1:500



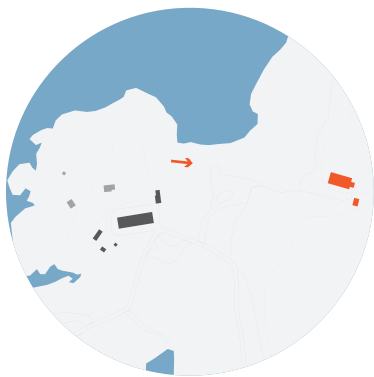


- **new functions**

restroom.
weatherstation.
energy warehouse.

- **details**

the restroom is a service to internal and external users. the weather station and energy warehouse are management tools and technical spaces.



- **previous functions**

n.a.

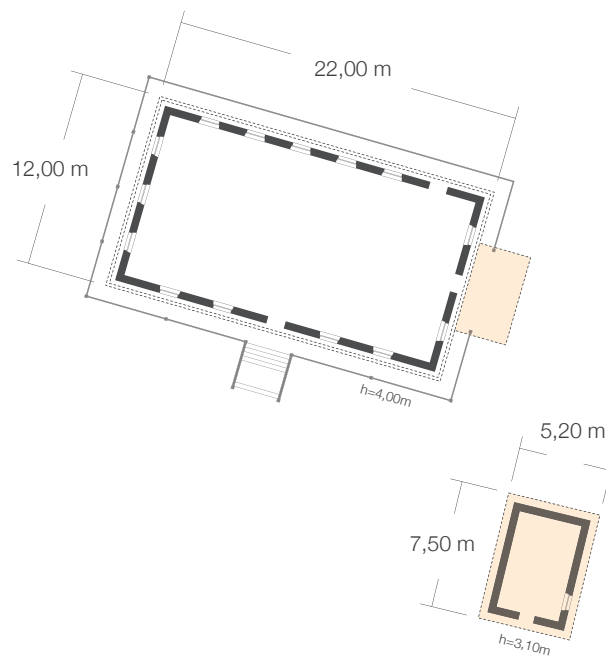
- **dimensions**

surface: 264 m² + 39 m²

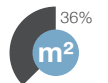
volumetry: 1.177m³

- **more**

the southern structure has been partially modified due to advanced deterioration and the coverage is made out of wood plates. the northern building has an intact coverage and structure. only the external patio has an high decay level.



scale 1:500

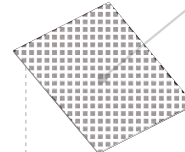
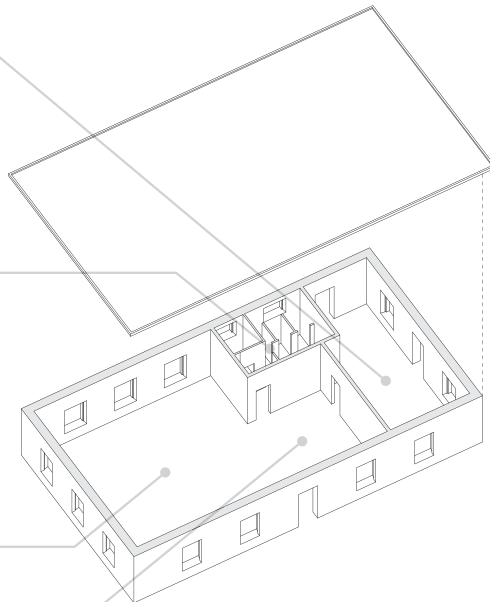


archipelago network spot / national park office:
workspace for the coordination of the network and organization of the services offered by the archipelago and the national park.
51 m²

restroom:
20 m²

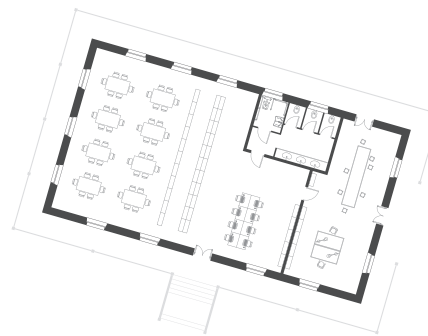
study room:
it is a reading room with open archive with a capacity for ≈48 people.
122 m²

entrance:
it is used also as internet spot with workspaces for ≈8 people.
33 m²



structure coverage:
integrated photovoltaic system with 6 kWp and a potential productivity of 8.900 kWh/year.
53 m²

"mooring structure":
emergency shelter for inside and outside users which can host max. 4 people for a short period. it has a toilet and a small kitchen.
27 m²



library / archipelago network spot / national park office



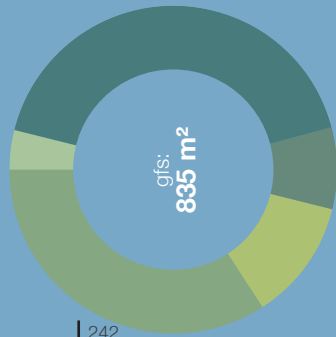
"mooring structure"

● **new functions**

library / archipelago network spot / national park office.
"mooring structure".

● **details**

a library, managed by the municipal library, offers to the inside and outside users a research and study area. the archipelago network and national park office offer information about the archipelago and are also an organization and coordination center for the whole network.



research:	283 m²	34%
didactic:	102 m²	12%
management:	68 m²	8%
service:	350 m²	42%
energy:	32 m²	4%



energy production surface: 561 m²
system features: 70 kWp
potential productivity:
94.500 kWh/year



energy production surface: 420 m²
system features: 35 kWp
potential productivity:
33.600 kWh/year

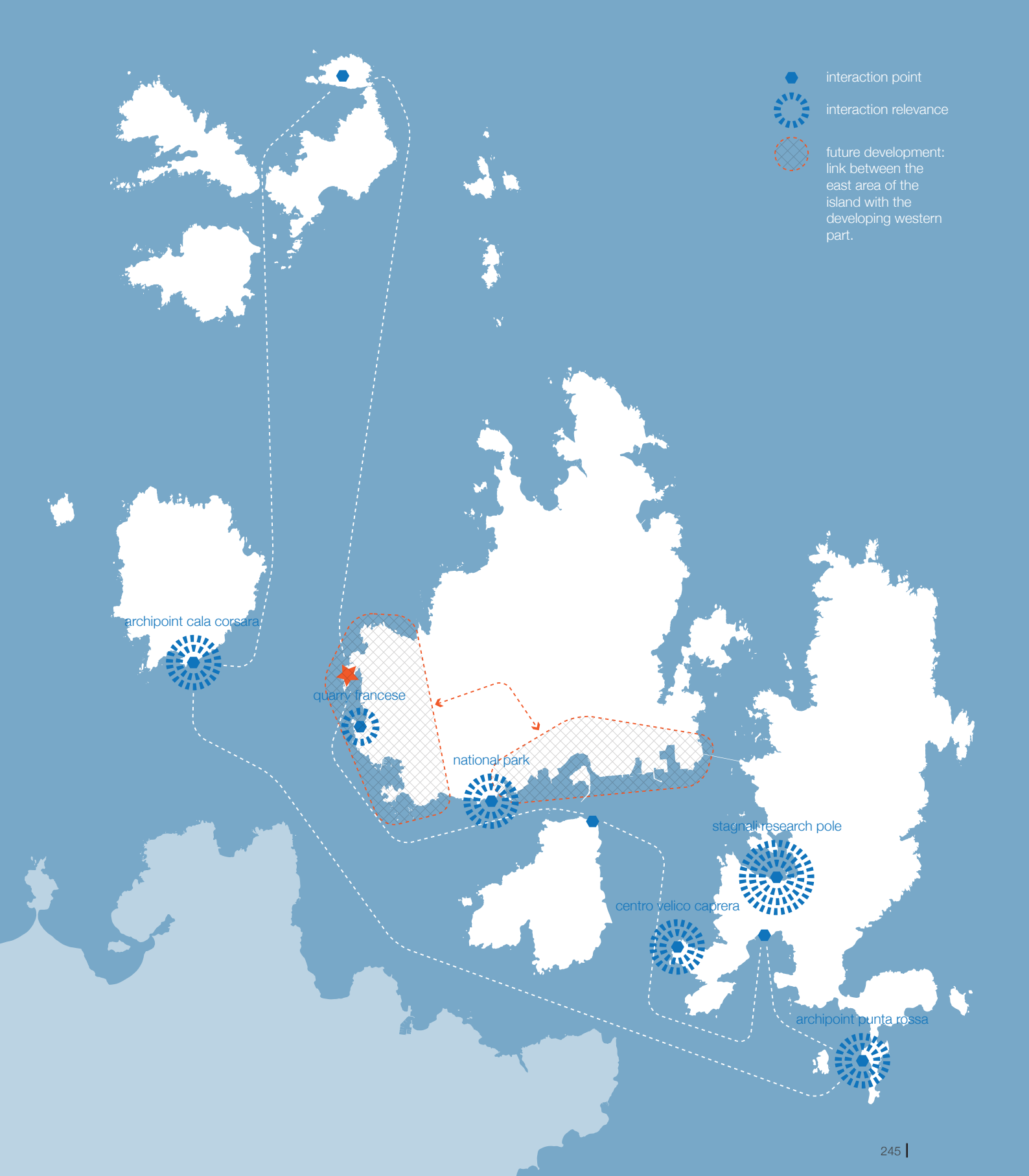





total potential productivity:
128.100 kWh/year









-  interaction point
-  interaction relevance
-  future development:
link between the
east area of the
island with the
developing western
part.

archipoint cala corsara

quarry francese

national park

stagnali research pole

centro velico caprera

archipoint punta rossa



CALA CORSARA

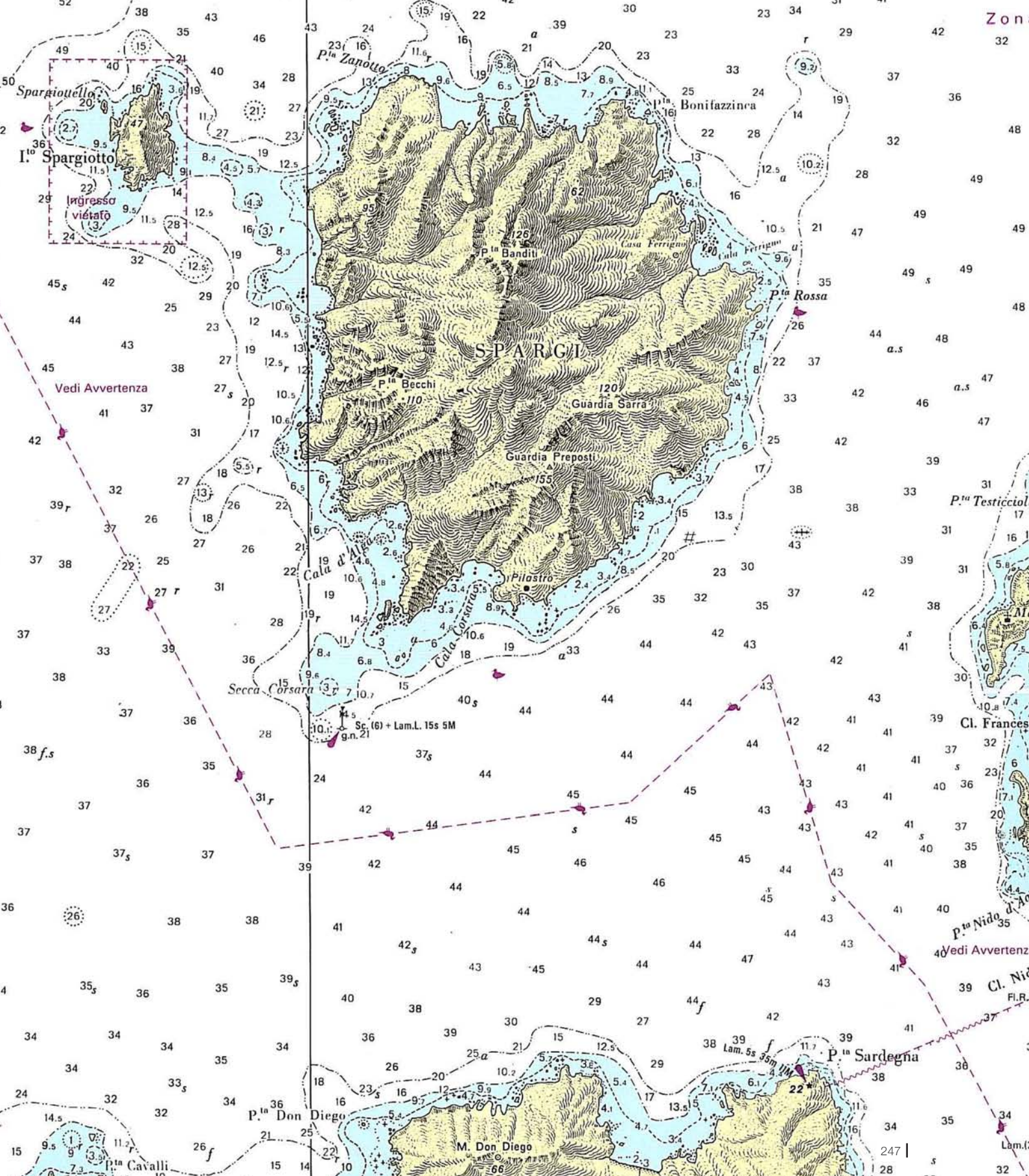
location:

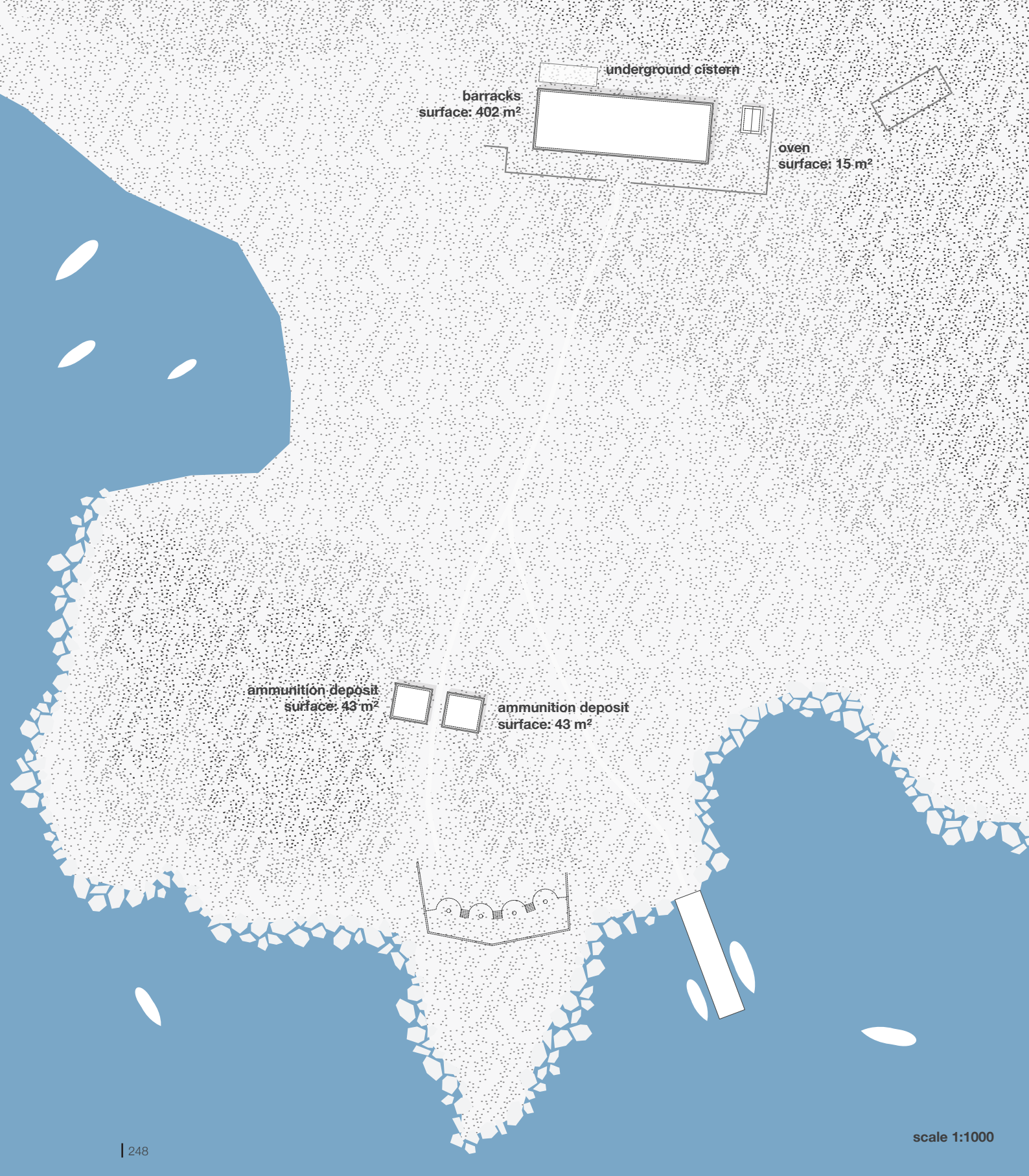
spargi

coordinates:

41°13,49'N - 9°20,45'E

the settlement of cala corsara is a didactic and research pole which delve into sun potential and energy production technologies. it offers support services to mariners and can host small seminars, workshops and courses on site offering suitable spaces and structures.





underground cistern

barracks
surface: 402 m²

oven
surface: 15 m²

ammunition deposit
surface: 43 m²

ammunition deposit
surface: 43 m²





- **previous functions**

n.a.

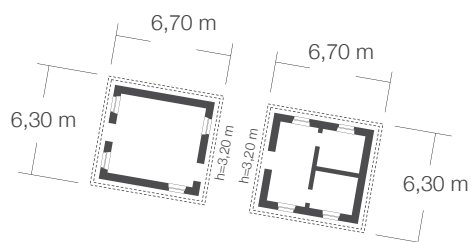
- **dimensions**

surface: $43 \text{ m}^2 + 43 \text{ m}^2$

volumetry: 276 m^3

- **more**

the buildings have been recently restored. the practicable entrances and windows have frames. the western building is empty and the eastern one has two unusable bathroom.

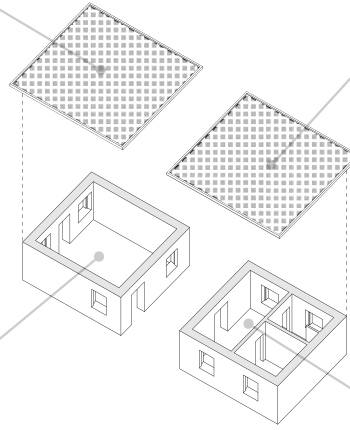


scale 1:500



structure coverage:
integrated photovoltaic system with 7 kWp and a potential productivity of 9.480 kWh/year.
56 m²

structure coverage:
integrated photovoltaic system with 7 kWp and a potential productivity of 9.480 kWh/year.
56 m²



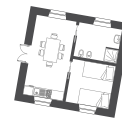
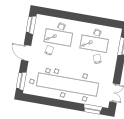
archipelago network spot / national park office:
workspace for the coordination of the network and organization of the services offered by the archipelago and the national park.
30 m²

"mooring structure":
emergency shelter for inside and outside users which can host max. 4 people for a short period. it has a toilet and a small kitchen.
32 m²

- **new functions**
archipelago network spot / national park office.
"mooring structure".

- **details**
the structure offers information about the archipelago to the visitors but is also an organization and coordination center for the whole network. the "mooring structure" offers a service to internal and external users.

archipelago network spot / national park office



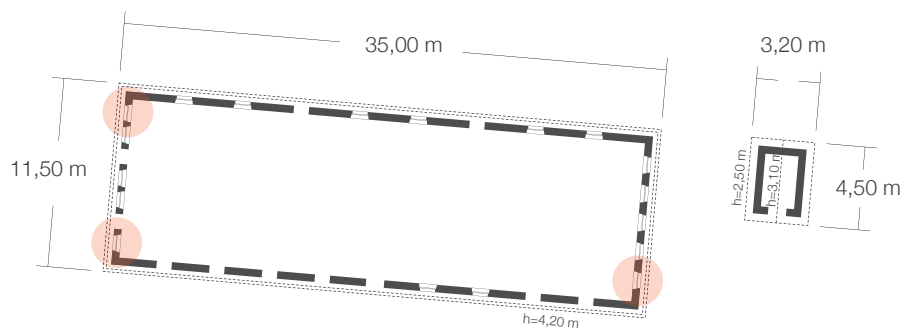
"mooring structure"



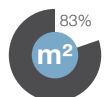
- **previous functions**
n.a.

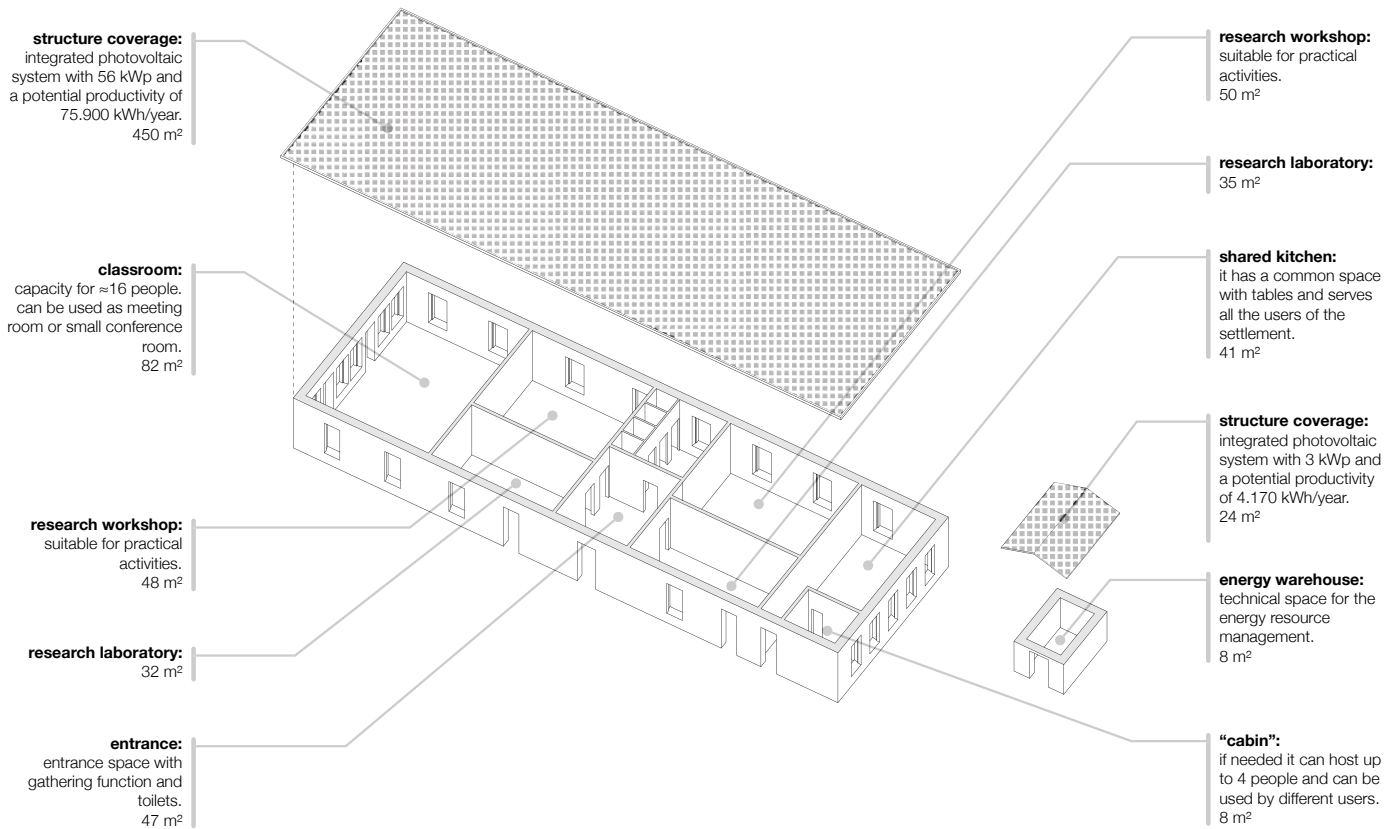
- **dimensions**
surface: $402 \text{ m}^2 + 15 \text{ m}^2$
volumetry: 1.726 m^3

- **more**
the buildings have been recently restored. all the practicable entrances have frames and iron gratings. some of the windows on the eastern and western side have been walled up.



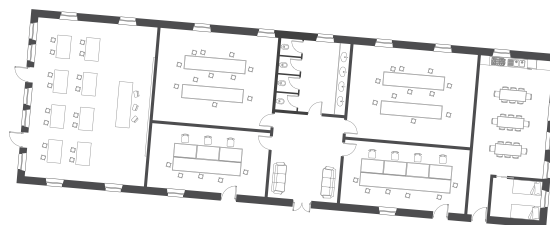
scale 1:500





- **new functions**
classroom / laboratories / shared kitchen.
energy warehouse.

- **details**
the isolation of the settlement impose the application of photovoltaic systems despite the integrity of the coverage wich has however a favorable orientation.
the laboratories researches focus on solar energy and the potential of sustainable energy production systems usable in the archipelago.

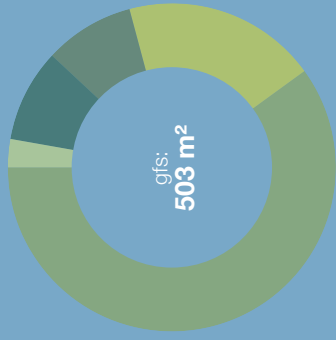


classroom / laboratories /
shared kitchen



energy warehouse

*use



research:	303 m ²	60%
didactic:	99 m ²	19%
management:	43 m ²	9%
service:	43 m ²	9%
energy:	15 m ²	3%



energy production surface: 586 m²
system features: 73 kWp
potential productivity:
98.550 kWh/year



energy production surface: 200 m²
system features: 16 kWp
potential productivity:
13.360 kWh/year



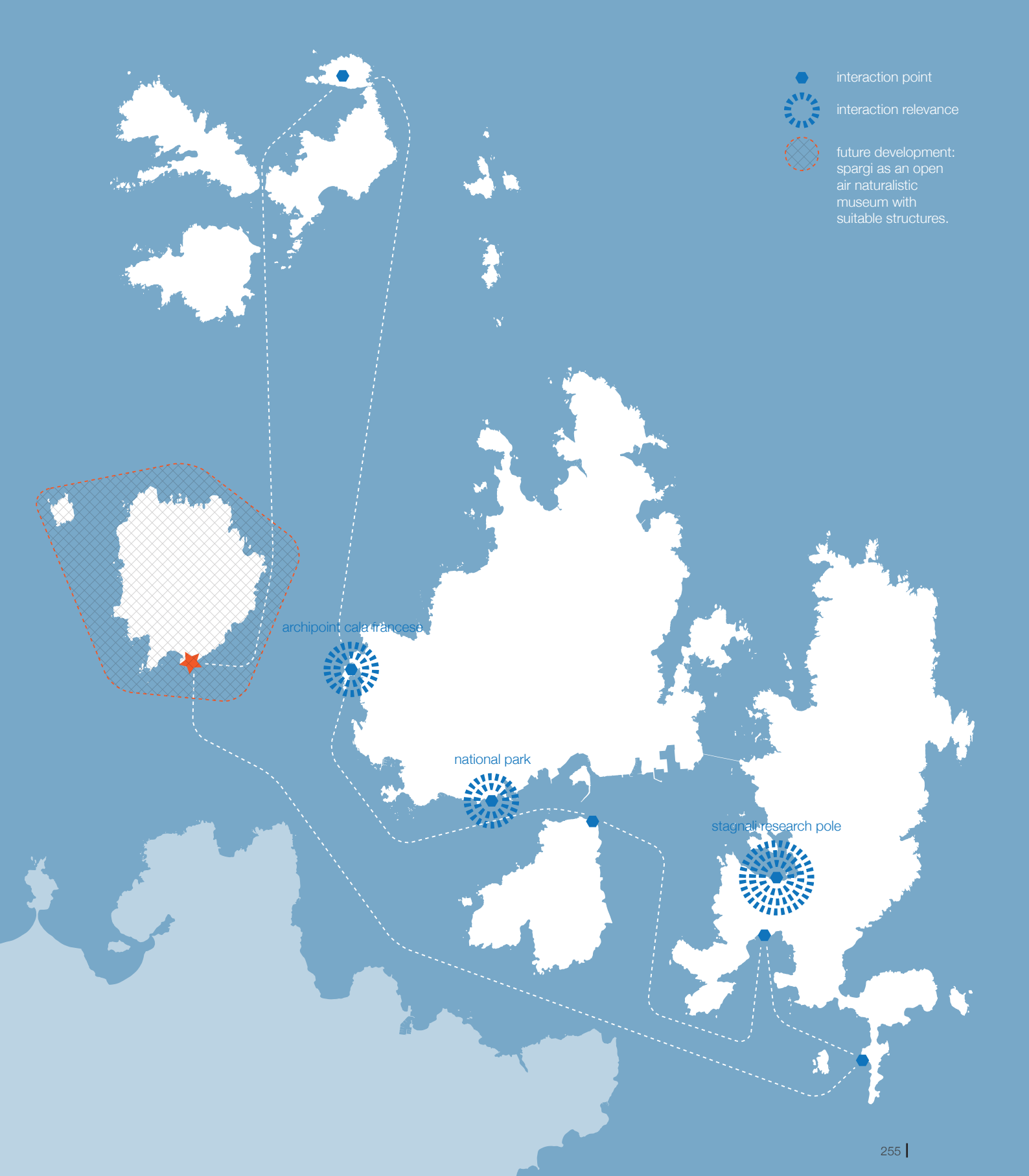
total potential productivity:
113.910 kWh/year




spring

summer

winter





-  interaction point
-  interaction relevance
-  future development: spargi as an open air naturalistic museum with suitable structures.

archipoint cala francese

national park

stagnali research pole



CALA MURO

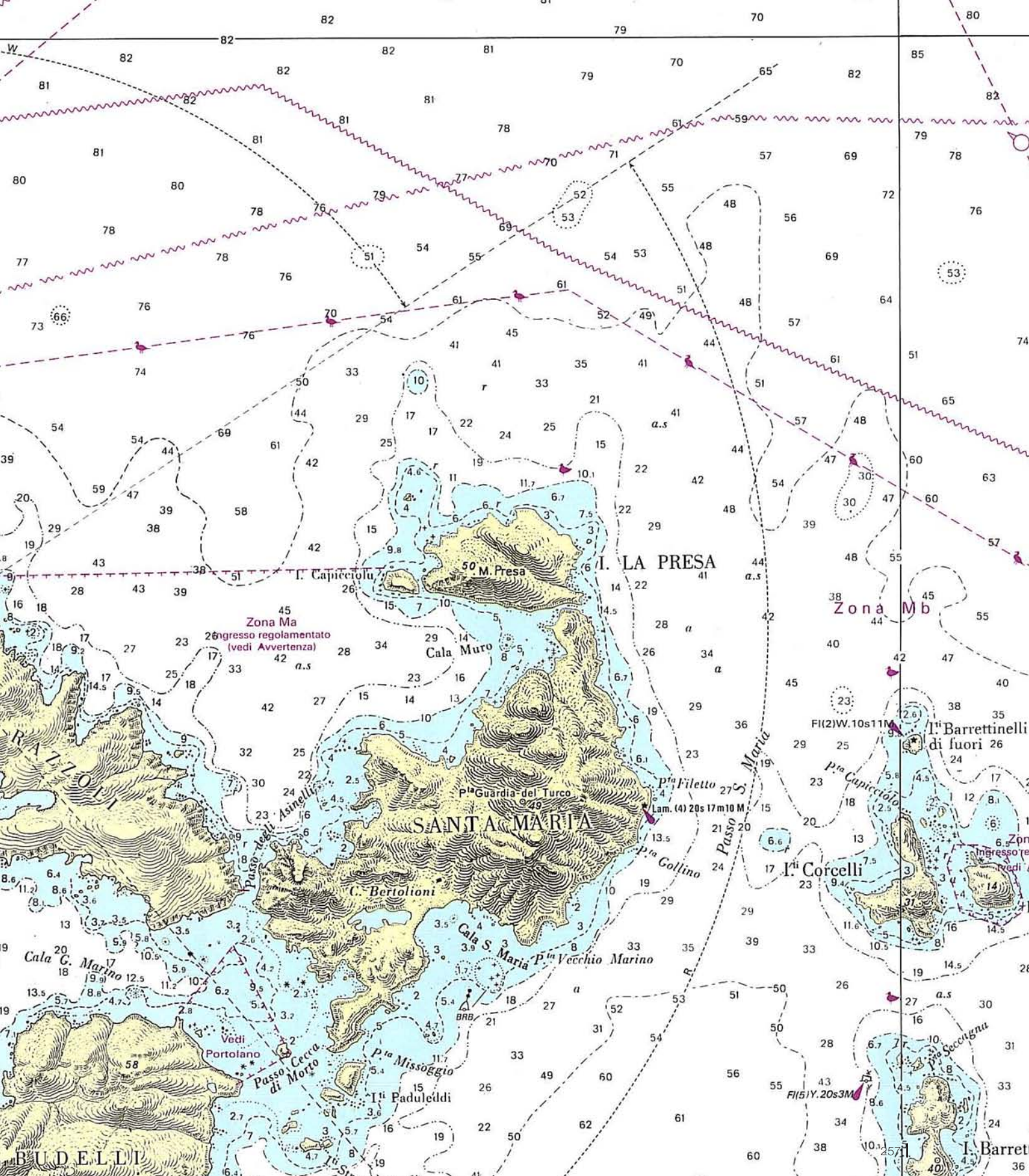
location:

la presa

coordinates:

41°18,32'N - 9°22,27'E

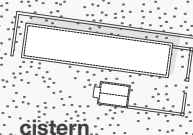
the settlement of cala muro is a surveillance and reference point for the northern gate of the archipelago. it has mainly a lookout function but represent the first step for the reactivation of the two lighthouses structure which will offer wider spaces for the network development. it offers emergency support to mariners.



temporary pier

the mooring of santa maria has a considerable distance from vedetta presa and moreover cala muro is an MA zone (with berth prohibition). vedetta presa is located in the northeast part of the archipelago and has therefore a strategic role. the temporary pier guarantees an easier accessibility to the structure which will start the reactivation process of the two lighthouses located on santa maria and razzoli representing an important future resource. once the other structures entered the system the pier will be removed and the vedetta will change its destination focusing on other specific activities.

forward observation station



cistern

forward observation station
surface: 76 m²

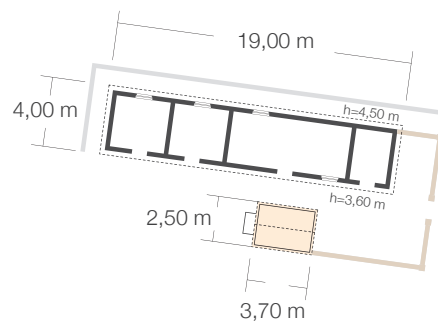




- **previous function**
forward observation station.

- **dimensions**
surface: 76 m²
volumetry: 308 m³

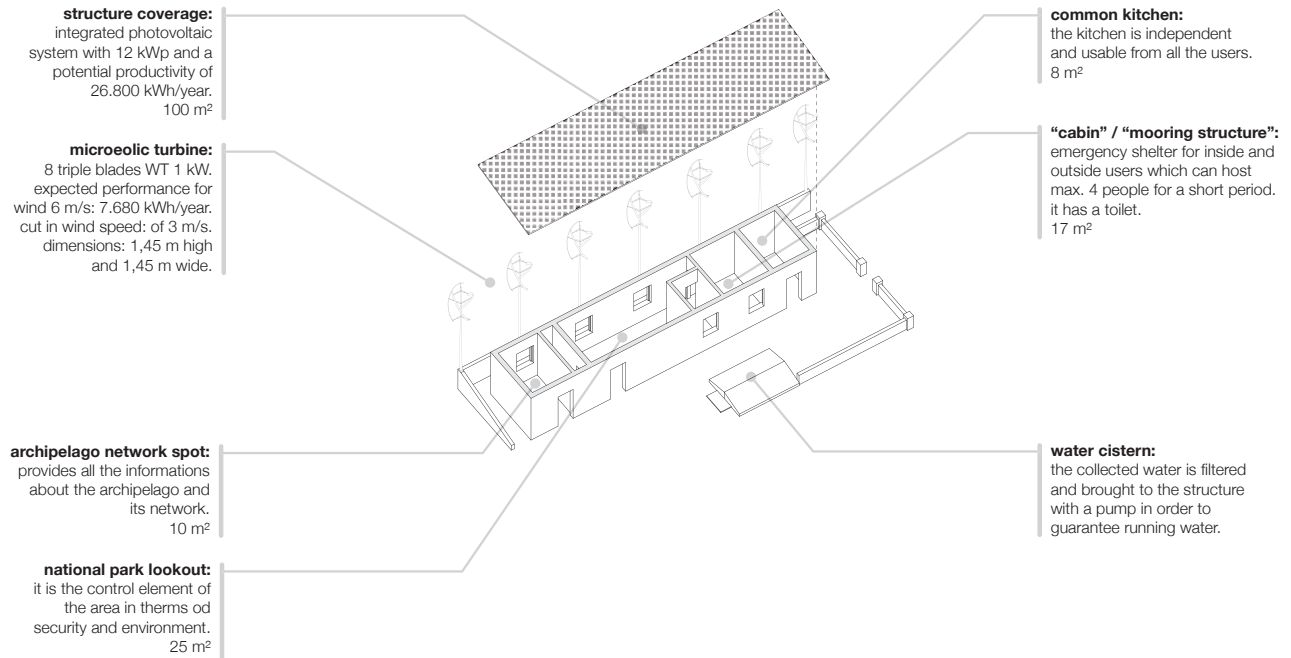
- **more**
intact coverage.
practicable entrances and widows
without obstructions.
downfall of the enclosure wall and
external cistern coverage.



scale 1:500

100%

m²

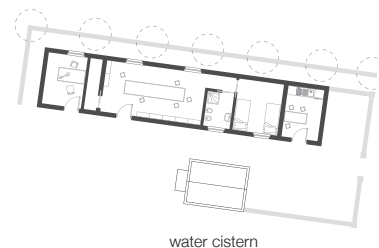


● **new functions**

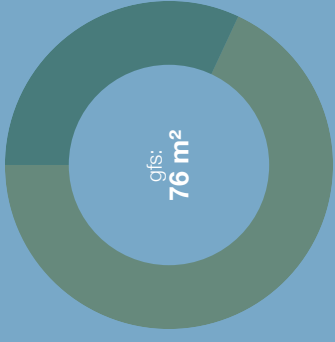
archipelago network spot / national park lookout / “mooring structure”.

details

- the reference point provides all the practical information about the archipelago. it offers the opportunity to stay over night if needed. microeolic and photovoltaic system guarantee, with the water cistern, the structure self-sufficiency.



*use



research:	0 m²	0%
didactic:	0 m²	0%
management:	52 m²	68%
service:	24 m²	32%
energy:	0 m²	0%



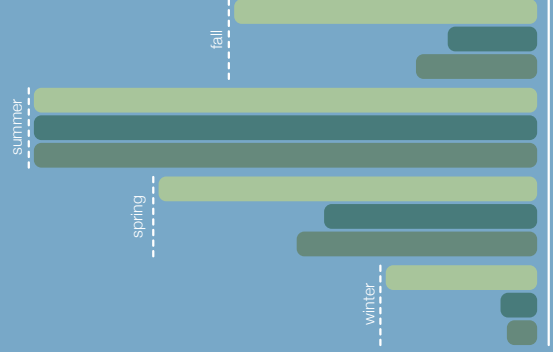
energy production surface: 100 m²
system features: 12 kWp
potential productivity:
16,800 kWh/year



energy production surface: 100 m²
system features: 8 kWp
potential productivity:
7,680 kWh/year

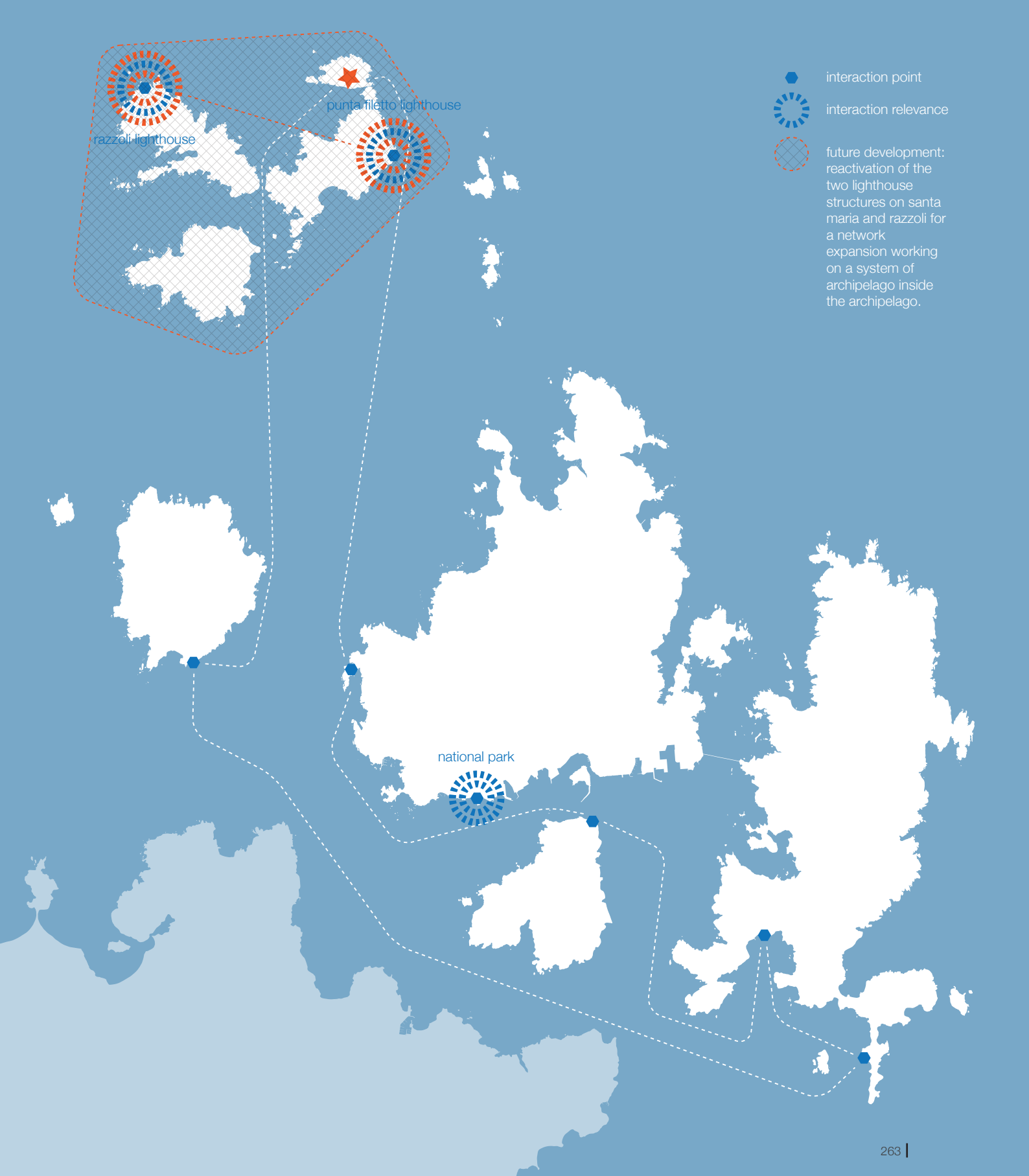


total potential productivity:
24,480 kWh/year



archipelago network spot /
national park lookout /
"mooring structure"
surface: 76 m²

cistern



razzoli lighthouse

punta filetto lighthouse

national park

- interaction point
- interaction relevance
- future development: reactivation of the two lighthouse structures on santa maria and razzoli for a network expansion working on a system of archipelago inside the archipelago.

in november...

*scenery

low season



*low season scenario



origin:
france
spain

origin:
italy west coast

origin:
olbia / golfo aranci

 interaction point

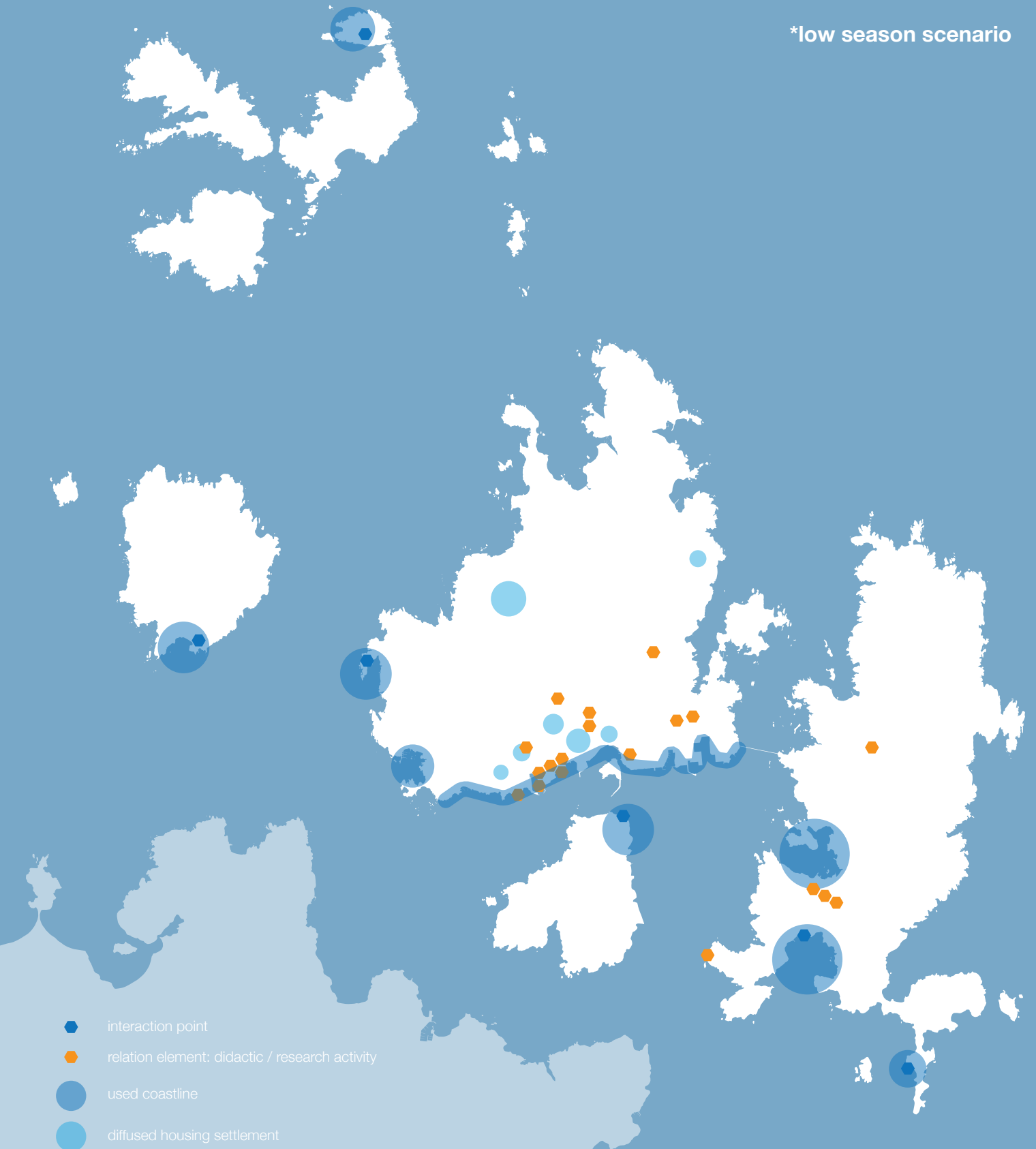
 interaction relevance

 public transport course

 connection course

 earth connections

*low season scenario



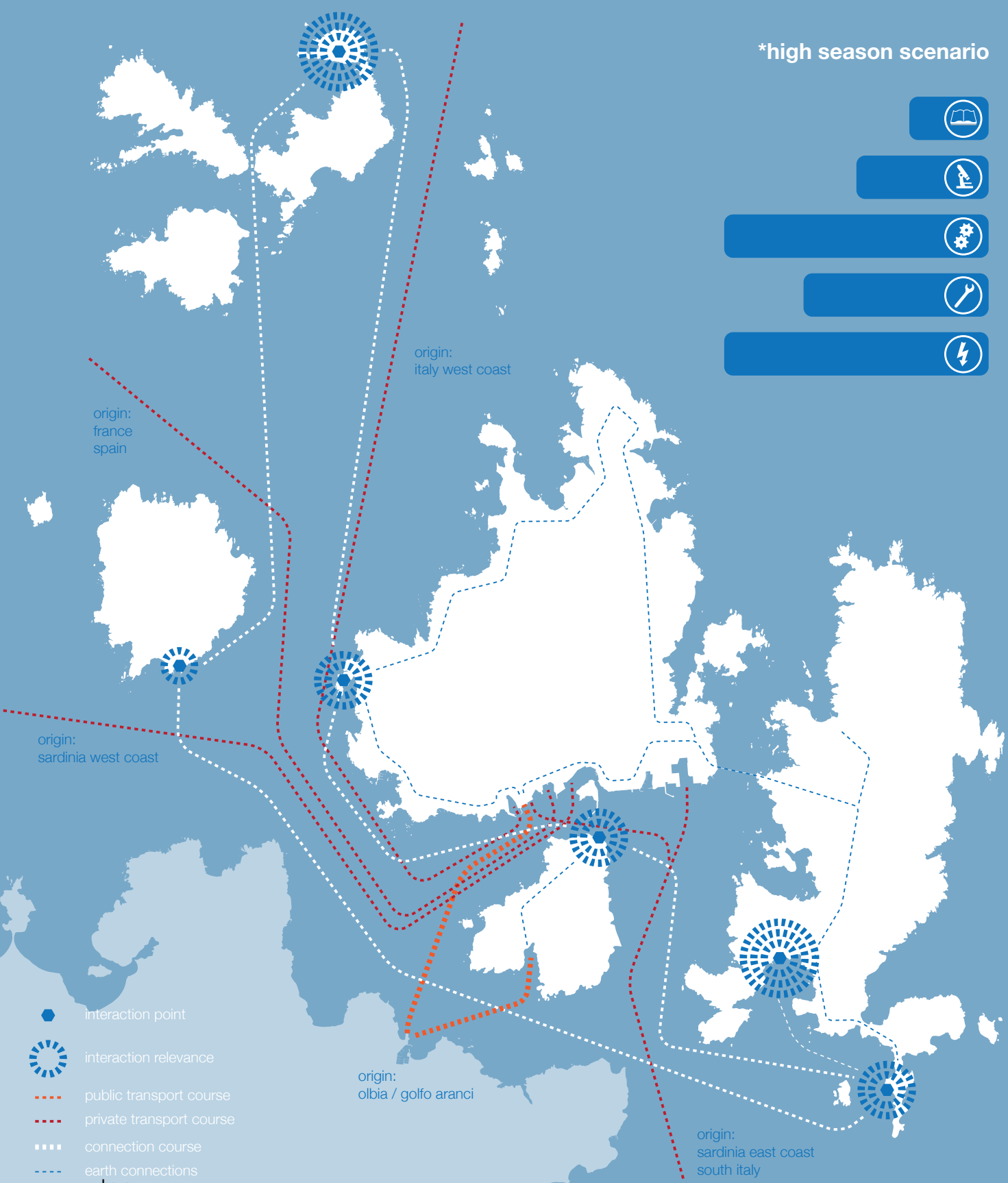
in august...

*scenery

high season



*high season scenario









origin:
france
spain

origin:
italy west coast

origin:
sardinia west coast

origin:
olbia / golfo aranci

origin:
sardinia east coast
south italy

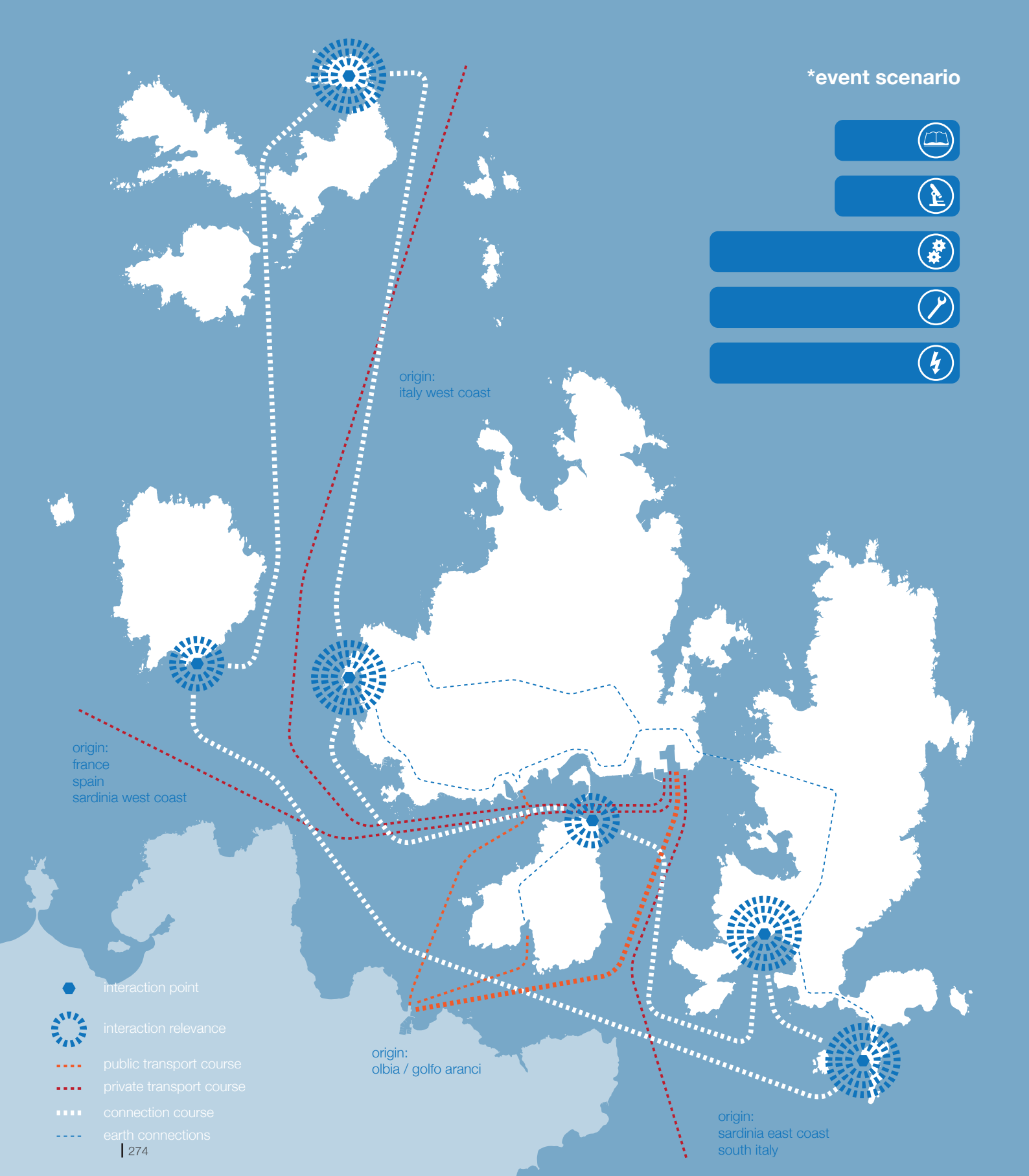
-  interaction point
-  interaction relevance
-  public transport course
-  private transport course
-  connection course
-  earth connections

*high season scenario



variable...

*event scenario









origin:
italy west coast

origin:
france
spain
sardinia west coast

origin:
olbia / golfo aranci

origin:
sardinia east coast
south italy

-  interaction point
-  interaction relevance
-  public transport course
-  private transport course
-  connection course
-  earth connections

*event scenario

- interaction point
- relation element: receptive activity
- used coastline
- diffused housing settlement
- used seashore

***one year scenario**

who are you: i'm a researcher in the energetic field. why are you here: because archipelago. what will you do: i'll be working in the laboratories of the archipelago network. where will you stay: i rented an apartment on the west side of the island. for how long are you staying: i'll stay for seven months.

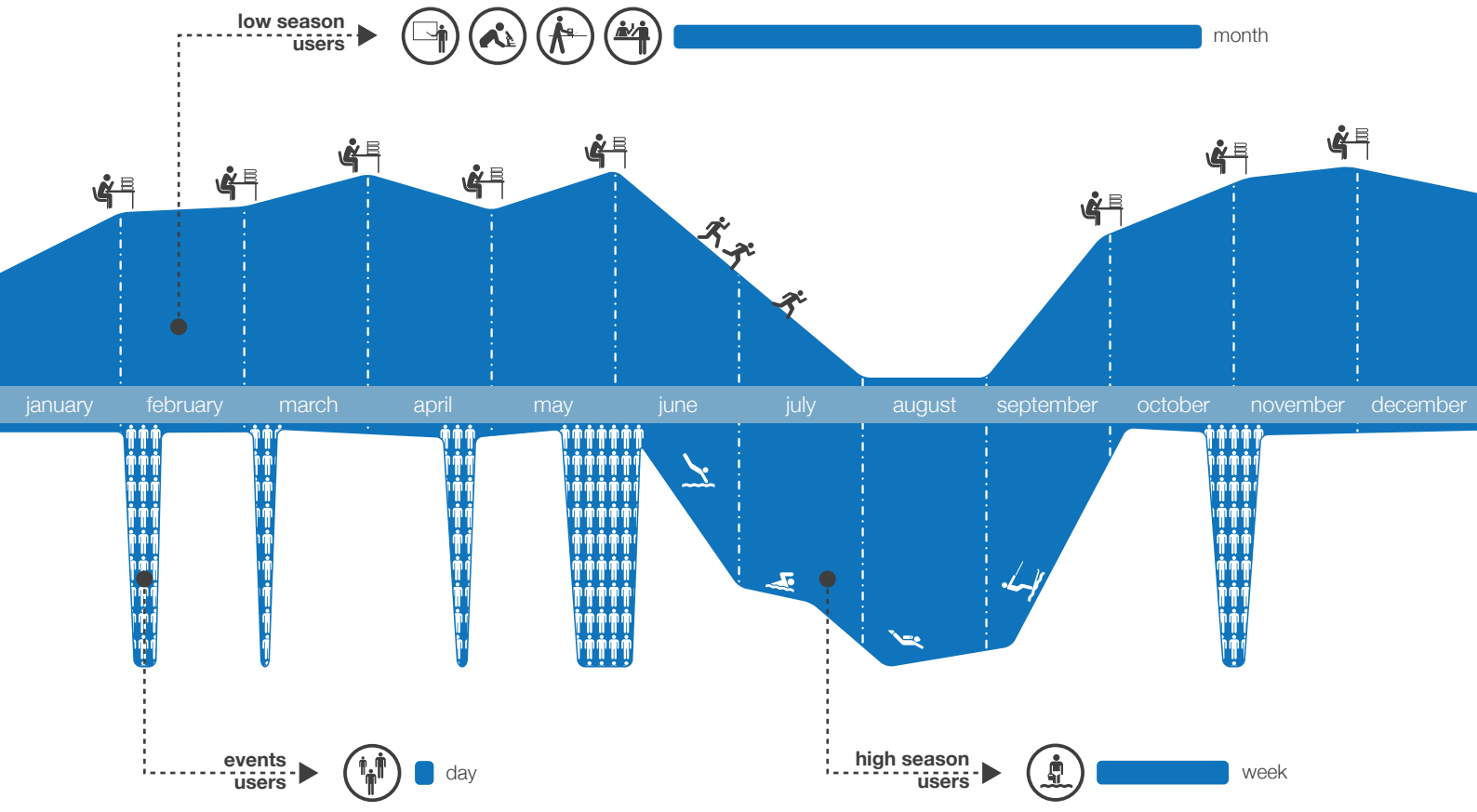
wolfgang, 35 years

who are you: i'm a student of boat design. why are you here: because i'm attending a course on hull shaping and here i can find suitable spaces and environment. what will you do: i'll be studying in the archipelago network structures being in contact with the centro velico and the dry dockings. where will you stay: i rented a room in the city center for how long are you staying: i'll stay for three months.

fabrizio, 22 years

who are you: i'm a sail instructor. why are you here: because there's a pole for advanced sail formation. what will you do: i'll attend a training course with international colleagues. where will you stay: i'll be staying for the first days in the porto palma structure and then i'll find another place in the city or on a boat. for how long are you staying: i'll stay for one month.

pierre, 25 years



who are you: i'm a visitor. why are you here: because there is a big sailing happening. what will you do: i'll enjoy the regatta match race and then i'll probably make a short tour of the archipelago. where will you stay: i booked a bed and breakfast. for how long are you staying: i'll stay for a few days.

arianna, 26 years

who are you: i'm a sail producer. why are you here: because there is an important nautical fair. what will you do: i'll be mainly working at the stand in the ex-arsenale. where will you stay: i'll stay in an hotel in the city center because the one along side the sea pavillion was booked out. for how long are you staying: i'll stay for five days.

john, 48 years

who are you: i'm a tourist. why are you here: because of the landscape and natural environment. what will you do: i'll go to the beach, enjoy the sea, visit the house of garibaldi and the restored military structures. where will you stay: i'll stay in an holiday village. for how long are you staying: i'll stay for two weeks.

stephanie, 37 years



administrative process...



Administration Tool

A foundation is a legal categorization of nonprofit organizations. This type of nonprofit organization may either donate funds and support to other organizations, or provide the sole source of funding for their own activities.

The term "foundation," in general, is used to describe a distinct legal entity set up for collective purposes.

In Italy, a foundation is a private non profit and autonomous organisation, its assets must be dedicated to a purpose established by the founder. The founder cannot receive any benefits from the foundation or have reverted the initial assets. The private foundations or civil code foundations are under the section about non commercial entities of the first book (Libro Primo) of the Civil Code of Law (Codice Civile) from 1942. The Art. 16 CC establishes that the statutes of the foundation must contain its name, purpose, assets, domicile, administrative organs and regulations, and how the grants will be distributed. The founder must write a declaration of intention including a purpose and endow assets for such purpose. This document can be in the form of a notarised deed or a will. To obtain legal personality, the foundation must enroll in the legal register of each Prefettura (local authority) or some cases the regional authority. There are several nuances in requirements according to each foundation's purpose and area of activity.

Archipelago Network Foundation

The foundation will receive all the ex military structures present in the archipelago as a donation from the owner's authorities or corporations.

The aim of the foundation consists on the implementation of the archipelago-system, promoting initiatives and activities in order to follow a sustainable development model.

The foundation will be responsible for the restoration and maintenance of the assets, for the management of the whole network, for the promotion of the archipelago and for the hedge funds. Moreover it will shape and seal the projects and planning which will be carried out for the structures in hand.

The management process will be conceived with the local authorities, assets and inhabitants, in order to guarantee, the commitment of the single structures to local realities and therefore an economic and cultural expansion.

The grouping of all this tasks under a single coordination institution enable a series of political, burocratic and administrative simplifications which go for a more efficient governmental instrument.



origin

- government property
- region property
- province property
- municipality property
- military property



organization

- coordinating network
- financing projects
- restoring preexistence
- promoting initiatives
- maintaining environment
- integrating renewed scenarios
- designing mutable edges
- reclaiming territories



destination

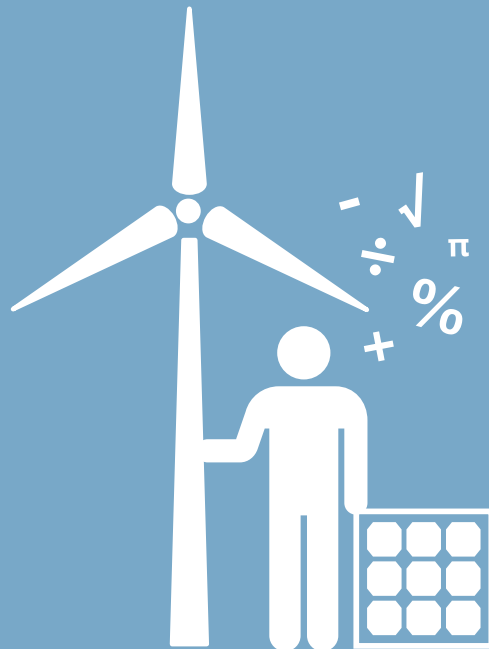
- create work opportunities
- enhance local community
- rediscover traditional assets
- expedite productive regimes design
- mutable edges
- fortify local identity
- initialize sustainable model

energetic process...

The Third Industrial Revolution

“We are on the cusp of a Third Industrial Revolution that could give us a door open to a new post-fossil fuel era. It was the first Industrial Revolution that brought together print and literacy with coal steam and rail. The second combined the telegraph and telephone with the internal combustion engine and oil. What we have now is the possibility of a distributed energy revolution. We can all create our own energy, store it, and then distribute it to each other. Twenty five years from now millions of buildings will become power plants that will load renewable energy. We will load solar power from the sun, wind from turbines and even ocean waves on each coast. We can also make the power grid of the world smart and intelligent; we call it inter-grid. Not far from now, millions and millions of people will load power to buildings, store it in the form of hydrogen and distribute energy peer-to-peer; just like digital media and the internet. The "Third Industrial Revolution" is an economic game plan. We have the science and technology to do it, but it will mean nothing unless there is a change in will.”

** Jeremy Rifkin*



working just with available datas of photovoltaic and microeolic without taking in consideration other applyable technologies.

militarized ground surface



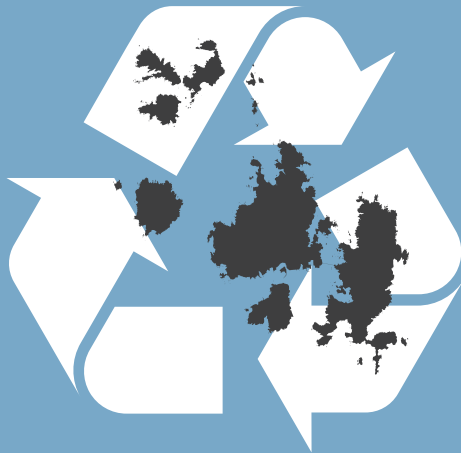
≈ 2.230.000 m²

militarized buildings surface



≈ 67.440 m²

reclaimed ground surface



≈ 270.000 m²

(12% of the whole militarized ground)

reclaimed buildings surface



≈ 6.440 m²

(10% of the whole militarized buildings)

eolic installed surface



≈ 2.444 m²

(1% of the reclaimed ground)

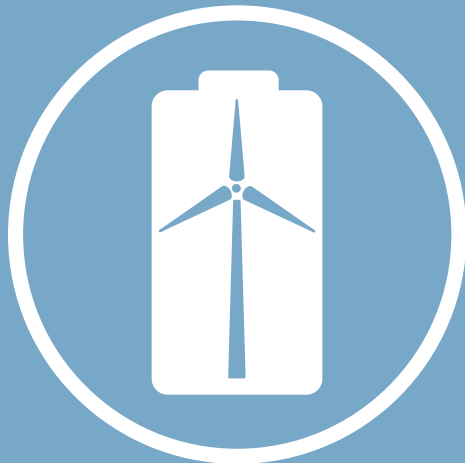
photovoltaic installed surface



≈ 4.816 m²

(74% of the reclaimed buildings)

eolic produced energy



≈ 210.240 kWh/year

(20% of whole the produced energy)

photovoltaic produced energy

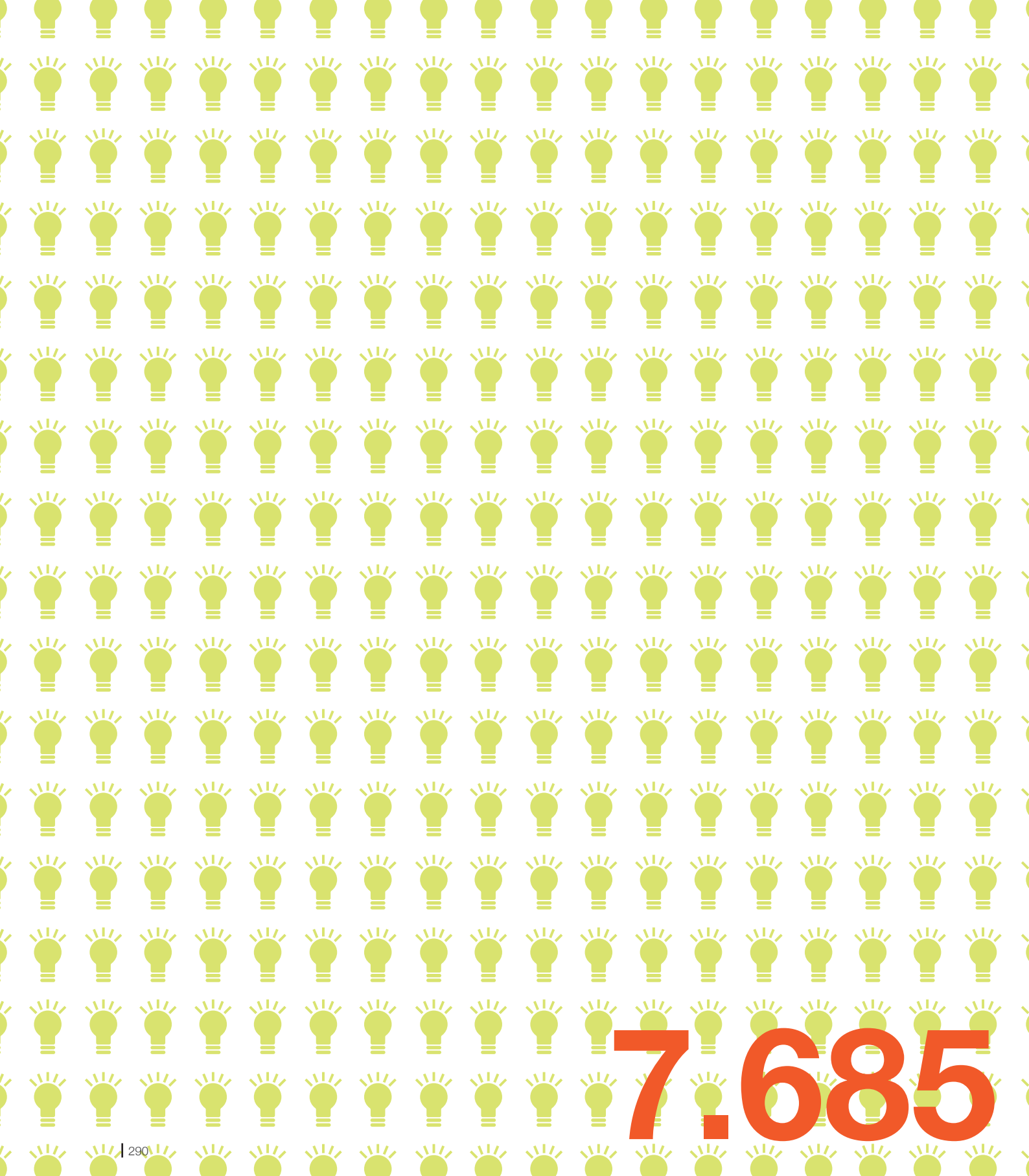


≈ 809.250 kWh/year

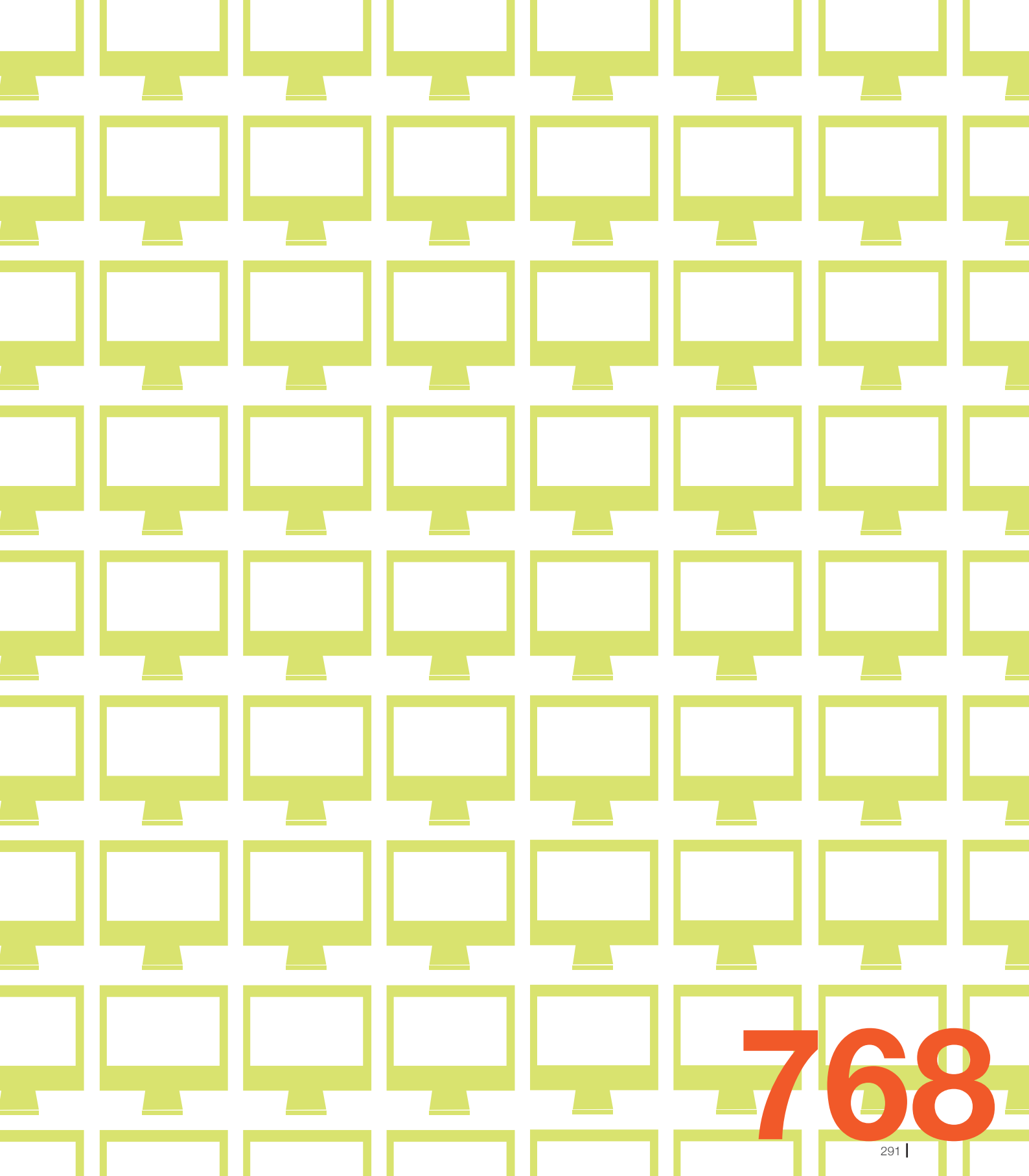
(80% of whole the produced energy)



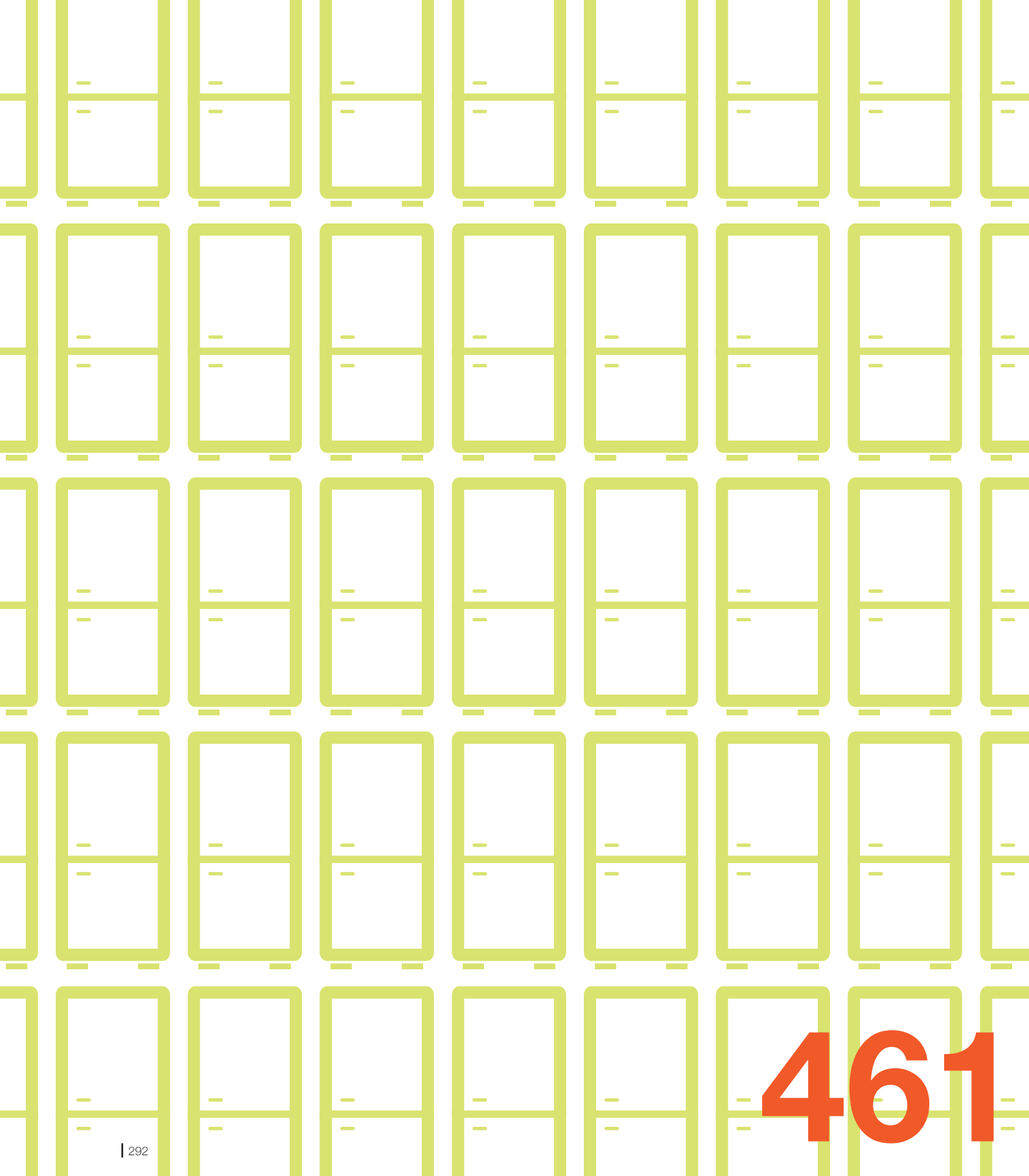
1.009.890 kWh/year
2.766 kWh/day
2.766.821 Wh/day



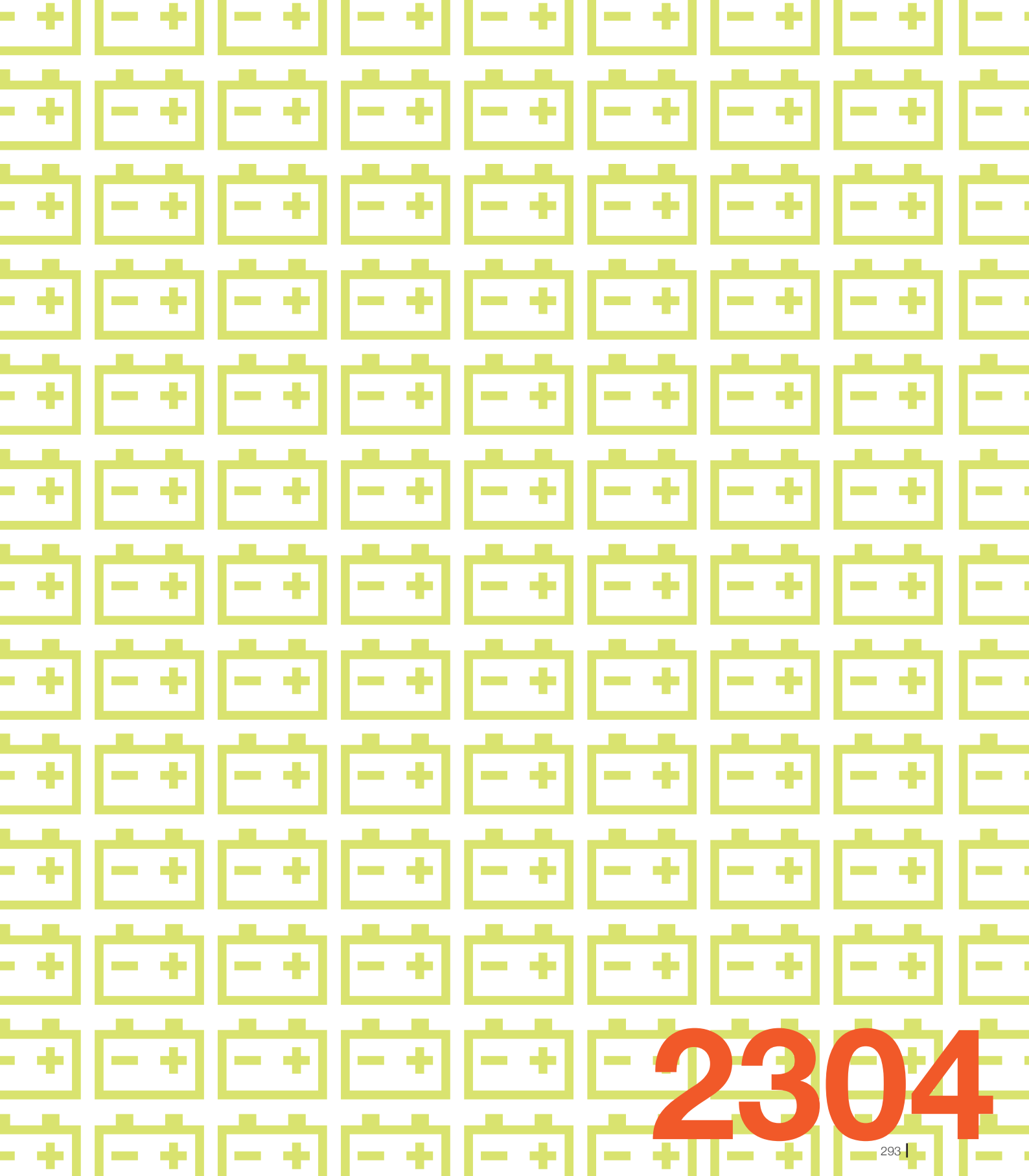
7.685



768



461



2304



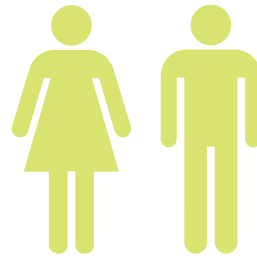
384

*energy production



average annual consumption
4 people family unit:

3.000 kWh



average annual consumption
la maddalena average family:

1.500 kWh



la maddalena inhabitants:

11.668

number of families:

5.700

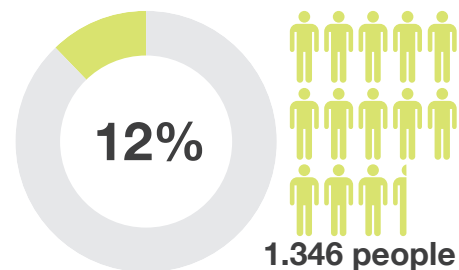
average family unit:

2 people



average number of sustainable
family units:

673



wait a moment...

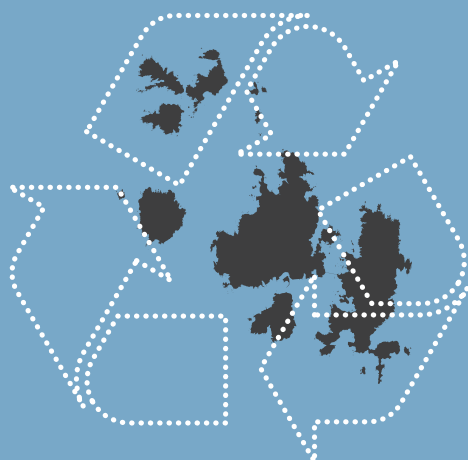


working just
with proportions

ENERGY STATIONS WILL GENERATE

- * workplaces due to maintenance and managing of the whole network.
- * money saving for the entire municipality due to the energy production and self consumption.
- * necessity of research structures and investigation laboratories which will increase the yearly inhabitants number and the local cash flow.
- * necessity of representative structures for exhibitions and institutional events.
- * increase of eco-tourism.
- * reuse of the abandoned military structures, which means the restoration, reclamation and the reactivation of decayed sites.
- * booster to the unmilitarization process of the archipelago.
- * the ransom of a war and dependance element to a independance and sustainable symbol.
- * european, national and regional funding.
- * lasting activity with stable incomes during the whole year and not just condensed in the summer period.

reclaimable ground surface



≈ 2.230.000 m²

reclaimable buildings surface



≈ 67.440 m²

eolic installable surface



≈ 21.600 m²

(1% of the reclaimable ground)

photovoltaic installable surface

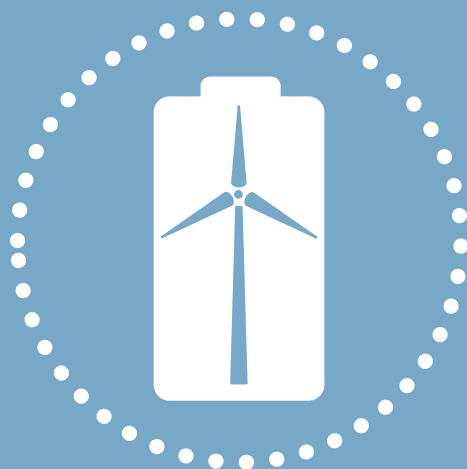


≈ 49.900 m²

(74% of the reclaimable buildings)

eolic productable energy

photovoltaic productable energy

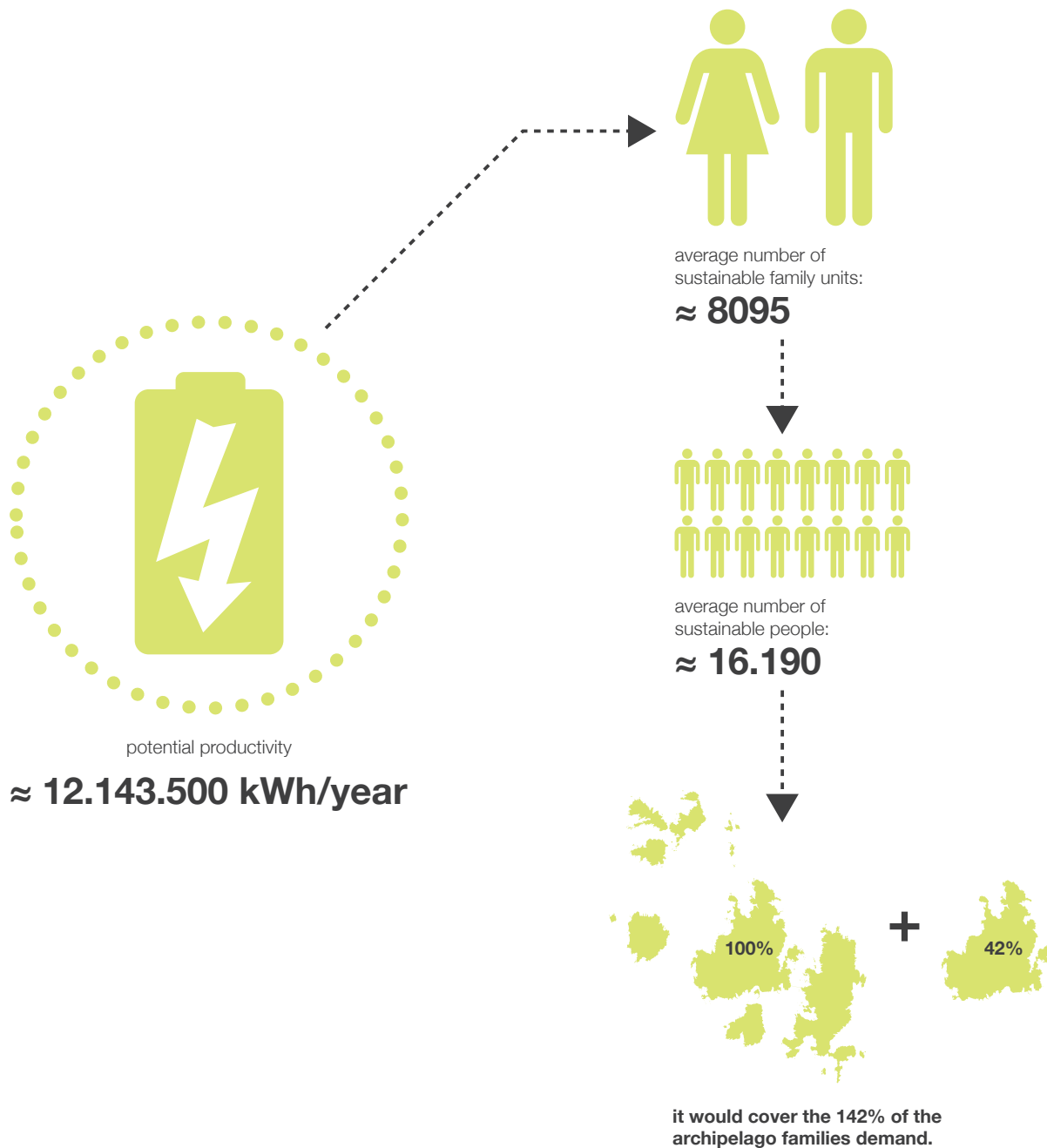


≈ 2.162.500 kWh/year

(20% of whole the producted energy)

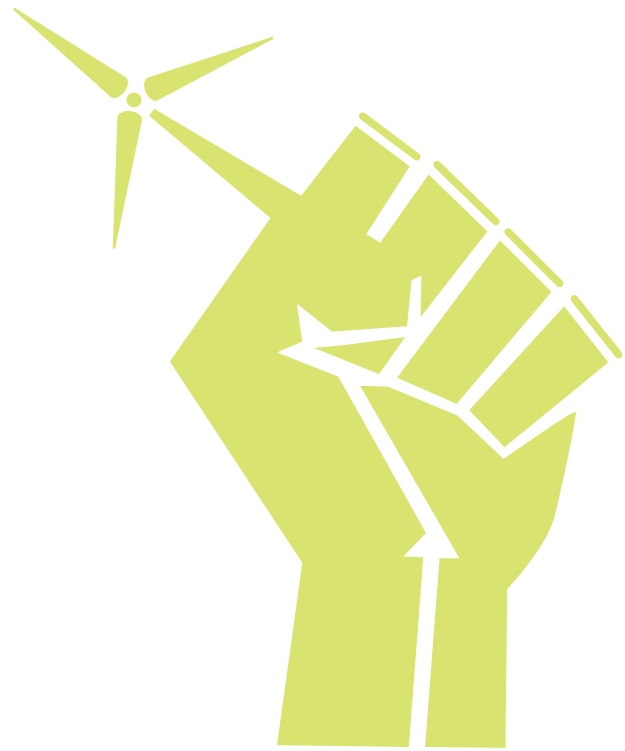
≈ 9.981.000 kWh/year

(80% of whole the producted energy)





from **MILITARY
DEPENDANCE**



to **ENERGY
INDEPENDANCE**

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