

CJNL

THE NETHERLANDS COLLECTION CENTRE • 4 NATIONAL COLLECTIONS UNDER 1 ROOF



RIJKS MUSEUM



Rijksdienst voor het Cultureel Erfgoed
Ministerie van Onderwijs, Cultuur en
Wetenschap



IDEA



COLLABORATION



THE BUILDING



LOCATION



SUSAINABILITY



TIMELINE



CONSTRUCTION



COLLECTIONS

NETHERLANDS COLLECTION CENTRE





The Netherlands Collection Centre (CC NL) is a new building on the outskirts of Amersfoort where from 2020 onwards 675,000 objects from the collections of the Holland Open Air Museum, Museum Paleis Het Loo, the Rijksmuseum and the Cultural Heritage Agency of the Netherlands (RCE) will be stored.



ORIGIN AND MISSION

The four CC NL partners each manage parts of the national collection that are not, or not permanently, exhibited. These collections are currently stored at various locations in the Netherlands in depots that no longer meet the standards for collection management or sustainability. Because the alternative option of improving existing premises would be more expensive and deliver a lower quality result, the decision has been taken to build a new collection centre. The CC NL will be accessible to researchers and people working in the museum sector.

COLLABORATION

Staff from all four partner institutions are currently working on the development of both the building itself and a far-reaching organisational and substantive collaboration. As well the maximization of the benefits of efficiency, cost reduction and economies of scale, the partners are prioritizing knowledge exchange, knowledge generation and advantageous conditions for loaning.





KEY COMPONENTS OF THE COLLABORATION

- Preparations for relocating the objects are now underway. All the objects will be checked, measured, cleaned, photographed and assigned a barcode so that they can be safely relocated to the CC NL. In the course of their exchanges relating to these preparations the partners are learning a great deal about their respective organizations.
- A new location management system will interconnect the individual collection registration systems, providing staff from all four partner organisations with access to the latest information on the location of all the objects. The CC NL will contain 24,000 storage units for the 675,000 objects it accommodates. The systematic scanning of barcodes will make it possible to track individual objects as they make their journey to the CC NL.
- All operations will be carried out by a single team composed of members of staff from all four partner organisations.
- Preparations for the physical relocation of all the objects will be a collective process. Each object will be received at the CC NL by a joint team that will store it in its new location. The relocation process will take one year.
- The objects belonging to the partners will be placed in the CC NL according to object group, dimensions, required climate conditions and storage type, and will therefore be housed in shared depots alongside one another. Where possible, objects that are stored in a similar manner will be placed in chronological order such that the development of the object type is visible.

THE BUILDING



Floor area of more than 31,000 m²
162 m long
63 m wide
24,3 m high
= approximately 6 football pitches



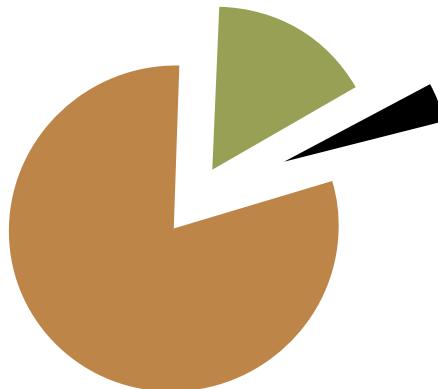
25.000 m² for collection storage



**5.000 m² for research, conservation
and restoration**



1.250 m² for offices





SPATIAL AND FUNCTIONAL ALLOCATION

- Two multidisciplinary studios for restoration, art historical research and the technical analysis of materials.
- Project area for working on very large objects or trialling exhibition designs.
- Photographic studio with image editing area.
- X-ray area.
- Quarantine area and facilities for pest control and decontamination, incorporating sections for refrigeration, low-oxygen and active pest control.
- Packing and dispatch bay.
- Area for mechanised woodworking.
- Workshops, meeting rooms and facilities for 45 staff members.
- Depots for the storage of the collections.
- Parking bays for 3 haulage trucks.
- 25 parking spaces for cars, 47 for bicycles.



CJNL



A28



Train station



LOCATION

The CC NL will be built in the municipality of Amersfoort, close to a railway station and the A28 motorway. This geographically central location in the Netherlands offers good public transport availability for staff members and access to the motorway for the transportation of objects. The elevation of the land on which this large building is being constructed is higher than the Amsterdam Ordnance Datum (NAP) and it is not in the overflow area of any river or canal. The plot has an area of approximately 22.000 m².

SUSTAINABILITY

The CC NL building will be certified in accordance with the BREEAM-NL system and the design has already been awarded the highest possible certification of BREEAM Outstanding. It is anticipated that the completed building will receive BREEAM-In Use certification.

The principle of avoiding the installation of any equipment or facilities that are not absolutely necessary was fundamental to the design. As far as possible the building will itself create the required climate. To this end, the ground floor will not be insulated, so as to take passive advantage of the warmth and cold of the underlying land. A concrete core conditioning system will be used for the storeys above.

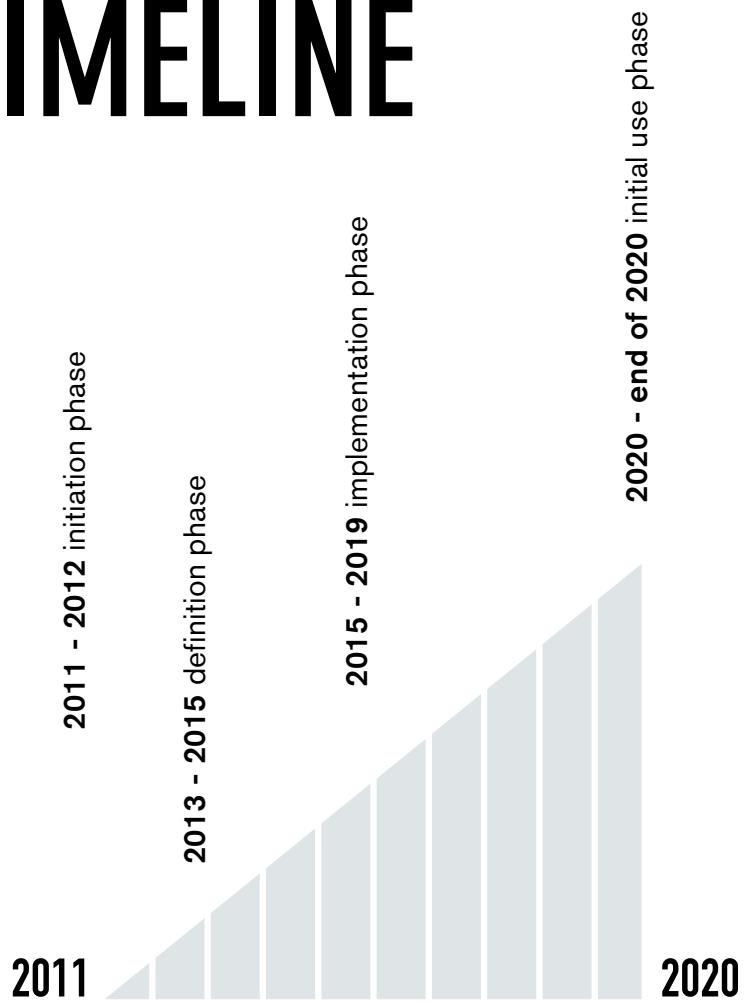
A major reduction of energy expenditure can be achieved through the application of recent insights into the appropriate temperature and relative humidity bandwidths for the conservation of museum collections. Newly acquired scientifically-based findings have allowed for the abandonment of rigid historical standards and the broadening of climate bandwidths. As a result, it is rarely if ever necessary to install large-scale, costly and energy-intensive climate control systems.



ADDITIONAL SUSTAINABILITY MEASURES AND ECO-FRIENDLY SOLUTIONS

- *The building will be well insulated (Rc value of 10 for the depot, and Rc 6 for other areas) and have an airtight facade.*
- *Ground-coupled heat exchanger, heat pumps and electric heating boilers.*
- *More than 2.000 PV solar cells on the roof for own-use power generation, with the result that the building will be energy-neutral.*
- *Precipitation will drain off into a gully not connected to the sewage system.*
- *Rainwater will be used for flushing toilets.*
- *Heat will be recovered from ventilation exhaust.*
- *Heat produced during cooling processes will be recovered.*
- *Charging points for electric bicycles and cars.*
- *Comprehensive waste separation.*
- *LED lighting.*
- *The landscape design maximizes its contribution to local flora and fauna, and incorporates a bee hotel.*

TIMELINE



DESIGN AND IMPLEMENTATION

cepezed

VALSTAR SIMONIS

abt

PEUTZ

RUIJZENAARS
LANDSCAPES



Bureau Waardenburg bv
Adviseurs voor ecologie & milieu

BREEAM® NL

G&S BOUW
Samen slimmer bouwen

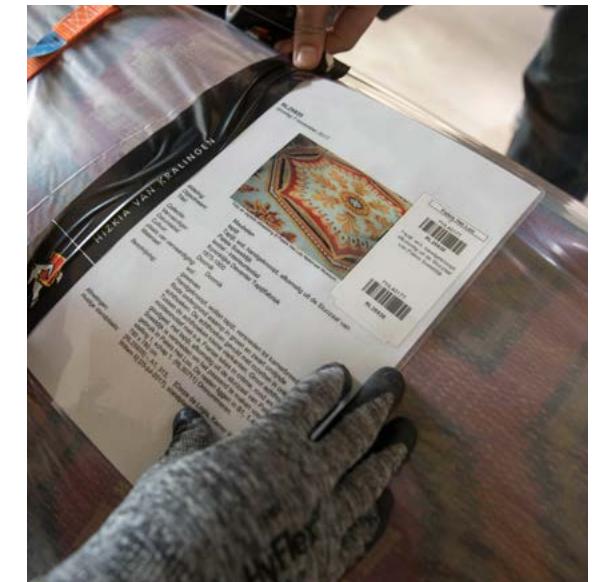
KROPMAN
INSTALLATIETECHNIEK

ulc
Installatiegroep

COLLECTIONS HOLLAND OPEN AIR MUSEUM



COLLECTIONS MUSEUM PALEIS HET LOO



COLLECTIONS RIJKSMUSEUM



COLLECTIONS CULTURAL HERITAGE AGENCY OF THE NETHERLANDS



