

# kurecon

## safe transport and conservation of cultural property



### A Mobile Rescue Container for Cultural Property

Experience has shown that, in the time span between the salvage of cultural property and its conservation, improper treatment or the absence of treatment leads to severe damage and often even the loss of the respective objects. Proper care of the objects as soon as possible after salvage is a decisive factor for their safety and later conservation. Abrupt changes in the surrounding medium represent a major physical, chemical and biological burden to the original substance and frequently trigger processes of disintegration and corrosion.

The **National Maritime Museum** and the **Fraunhofer-Institut für Bauphysik IBP** (Fraunhofer Institute for Building Physics) have developed a solution for the initial conservatorial care of sensitive finds. At the core of the system is a modified reefer controlled-atmosphere (CA) container according to ISO standard, which can be used for salvage, storage and transport. To ensure the continual protection of the cultural property, preventive conservation measures are coordinated with the accompanying logistical processes.

**kurecon**, a spin-off of the German Maritime Museum, now provides a means of offering the products of the joint research project on a commercial basis. kurecon stands for flexible, reliable, economical and globally utilizable solutions for the preservation of our cultural heritage. For monument preservation agencies and museums, this is a smart answer to the growing demand for the preservation of cultural property in a time of shrinking budgets.



Recovery mission in Lübeck Foto: City Archaeology Lübeck

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Sponsored by the German Federal Ministry of Economy and Technology in accordance with a resolution of the German Federal Parliament / with support from the European Social Fund (ESF) of the European Union

Gefördert durch:



aufgrund eines Beschlusses des Deutschen Bundestages



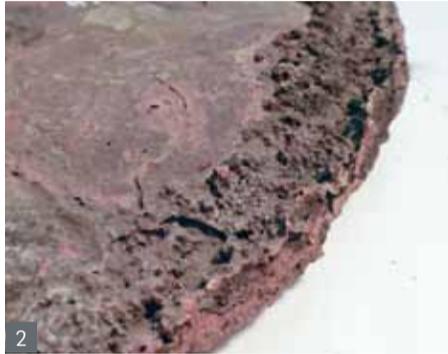
## Services

kurecon's services encompass the immediate safeguarding of climate-sensitive and mechanically unstable finds at the time of salvage, safe transport to the storage and processing venue, long-term storage under the proper conditions, and conservatorial processing as soon after salvage as possible. Our services are tailored to your needs:

- basic service of transporting and setting up the container, interim storage on site with a technical monitoring system, and interim storage in the kurecon container port in Brandenburg with expanded monitoring and professional supervision
- basic conservatorial care from regular monitoring of the integrated pest management (IPM) to conservatorial stabilization and decontamination treatments
- furnishing of equipment and technology (fumigation, climate control, etc.) in keeping with the customer's needs
- special documentation methods (3-D measurement with FARO Arm)
- complete conservatorial care with all conservation and restoration measures necessary for the scientific and public exploitation of the finds



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## Utilization throughout Germany and Europe

- for mass finds from waterlogged conditions in large quantities and/or large dimensions, also in cases of initial drying damage or infestation with microorganisms
- for mass finds from excavations in city centres and for traffic routes (e.g. for pipelines, railways or motorways) of varying materials and complex contexts which require salvage and removal under great pressure
- after disasters such as floods, earthquakes and fires, also in the context of military crises
- for the accommodation and care of critical finds from interim storage facilities
- for the temporary interim storage at the excavation site or, for monument preservation agencies, in conjunction with excavations or refurbishing/restructuring measures

### Examples of application

1 Organics / organic fibre 2 Metals 3 Glass  
4 Mould contamination e.g. after water damage 5 Water logged wood 6 Textiles

## Technical Details

The kurecon climate containers operate in a range from -30°C to +30°C, and a special humidification/dehumidification system guarantees constant environmental conditions in both very dry and very humid climates. Thanks to their special insulation the kurecon containers are extremely energy-efficient. Their interior dimensions (length: 11.2 m, height: 2.8 m, width: 2.5 m) make them suitable for a wide spectrum of finds and collections. Adaptable and mobile shelf systems and heavy-duty cantilevers optimize the equipment and the accessibility. Our reliable logistics management partner ensures safe and flexibly controllable transport and preventive/conservatorial storage. We work closely with our partners in industry and technology to develop the system further on an on-going basis.

View of the interior of a container equipped for the demands of a customer

