

# Kilsby Theatre Boat

## Requirements

*These draft requirements are simply a guide and can be re-written, deleted, and added to. They are structured in a meaningful way so they are easy to work with.*

*At this stage we are answering the question, 'What do we want Kilsby to be able to do?'.  
What do we require of Kilsby?*

## Kilsby requirements process summary:

- These are the current requirements for re-building Kilsby
- The first requirements review (16/07/2020) decided that carrying passengers was unlikely, that an additional 'Utility' boat would be useful, and that Kilsby should be able to put on small museum displays.
- Interviews with stakeholders and other community boat operators in Autumn/Winter 2020 generated further additions and adjustments across all sections.
- The second requirements workshop (29/04/21) determined that it should be possible for Kilsby to connect with other boats in some capacity, and that Kilsby should use modern innovations in relation to sustainability and accessibility, and simultaneously preserve heritage. The ambition to create a boat that can function as both a performance venue and passenger vessel in some capacity resurfaced as a priority for investigation.
  
- The overall intention is to produce a facility useful for the community. The community should also be involved in the rebuild. The target is to make Kilsby basically useful by May 2022, and fully commissioned by Spring 2023.

*Please read the requirements through and leave any feedback you may have in the 'change request form', via the link below, or at the bottom of this document. We will regularly update this document in accordance with the ideas we gather from the change request form.*

[CLICK HERE TO SUGGEST OR CHANGE A REQUIREMENT](#)

The requirements that follow relate to the boat and its mooring, organised in the following sections;

1. Activities
2. Facilities onboard
3. Facilities at home mooring
4. Facilities at performance mooring
5. Design requirements
6. Safety and Security
7. Power and propulsion

They will be presented to a designer as a list of requirements that will influence and instigate design solutions (hopefully!)

*Note: Requirements that relate to the operations of the boat, but that will not directly influence the design are at the end (with blue backgrounds)*

## 1. What are the **ACTIVITIES** required of Kilsby?

- Kilsby shall be a mobile performance venue, available to the community as a small scale performance venue when cruising, and potentially a larger venue when moored.
- Kilsby, through accurate preservation and the capacity to be a mobile heritage asset, shall educate passengers/guests of all ages, in both Jericho and the wider Oxford canal area about the history of working boats on the waterways of England and Wales. Informative pre-performance speeches, and online videos will be provided as additional educational resources.
- Kilsby shall be able to host temporary museum exhibitions, and sell local crafts to visitors, when not in use as performance venue.
- Kilsby shall be able to be used as a studio facility for artists during winter months, as a space to create/exhibit new work.
- Kilsby should be able to offer Heritage cruises to teach passengers about the canals and Oxford history.
- It should be possible to perform in some capacity while the boat is in motion.
- Kilsby should be able to collaborate with Towpath Productions, using fellow repurposed working boats Tycho and Progress as additional performance areas, and/or as a 'tug', using an 'external interface' contract between the two parties to determine the nature of the collaboration.
- Capacity of the boat when cruising shall be 15 people : 12 passengers, 1 skipper, 2 crew. Capacity of passengers using wheelchair 1+(Wheelchair accessibility for cruising is mandatory, exact number TBD)
- The capacity for the boat moored shall be 15 people, more preferred if health and safety allow. Capacity of hirees using wheelchairs 1+ (Wheelchair accessibility for performance is mandatory, exact number TBD)

## 2.What are the requirements for **FACILITIES...onboard?**

- It must be possible to heat water for hot beverages.
- It must be possible to chill beverages/snacks for 12 people onboard.
- There shall be secure storage on-board for valuable items and performers' instruments/props/belongings/equipment.
- Changing and preparation facilities shall be available on board for 1-2 artists
- There shall be on board storage big enough for mooring stakes, windlass, ropes, hammers, gas bottles, anchor, generator, tools, poles.
- PA system permanently onboard
- Kilsby shall have water tank and plumbing to cope with 3 performances worth of toilet flushing, hand washing and tea making- ( 100-200 litres.)
- Soundloop shall be provided for deaf/partially deaf people
- Toilet facilities, accessible for person using wheelchair and carer. **THIS REQUIRES MORE DEFINITION OF WHAT ACCESSIBLE MEANS IN THIS INSTANCE ...what exactly will be available? Eg: fold-up changing table? Hoist?**





### 3. What are the requirements for **FACILITIES** at home mooring?

*At time of writing, it is hoped that Kilsby will temporarily moor at the Jericho boatyard development for performance, moor at alternative locations for performances, and have a 'home mooring' elsewhere in the Jericho area.*

- Kilsby shall have a permanent mooring in the Jericho area
- Kilsby shall be 'visible' for publicity purposes
- Display plaque outlining story of boat and project should be made now (April 2021) and displayed at current 'home mooring' - Tooley's boatyard
- Display plaque should be at final home mooring.
- Mains power hook-up point
- Mooring must meet criteria of business boating requirements on [CRT website](#) regarding home mooring facilities for waste disposal and deliveries.
- In the vicinity of the home mooring there must be off-site lock-up space for equipment storage (gazebos, marquees etc)



#### 4. What are requirements for FACILITIES.....WHEN MOORED FOR PERFORMANCE?

- Basic technical facilities shall be provided, including PA system, lighting for dusk performances, and power facilities for hiree equipment.
- Changing area on shore when group is too large to be accommodated onboard.
- Project shall provide space, toileting facilities, and refreshment sales provision for audience capacity up to 100.
- Hirees must be able to move between boat and surroundings simultaneously for performance.
- There shall be secure storage on-shore for staff/performers' items when large group is using the boat.
- Internet connection – wifi and Ethernet when moored and when cruising an up-to-date mobile router available on board.

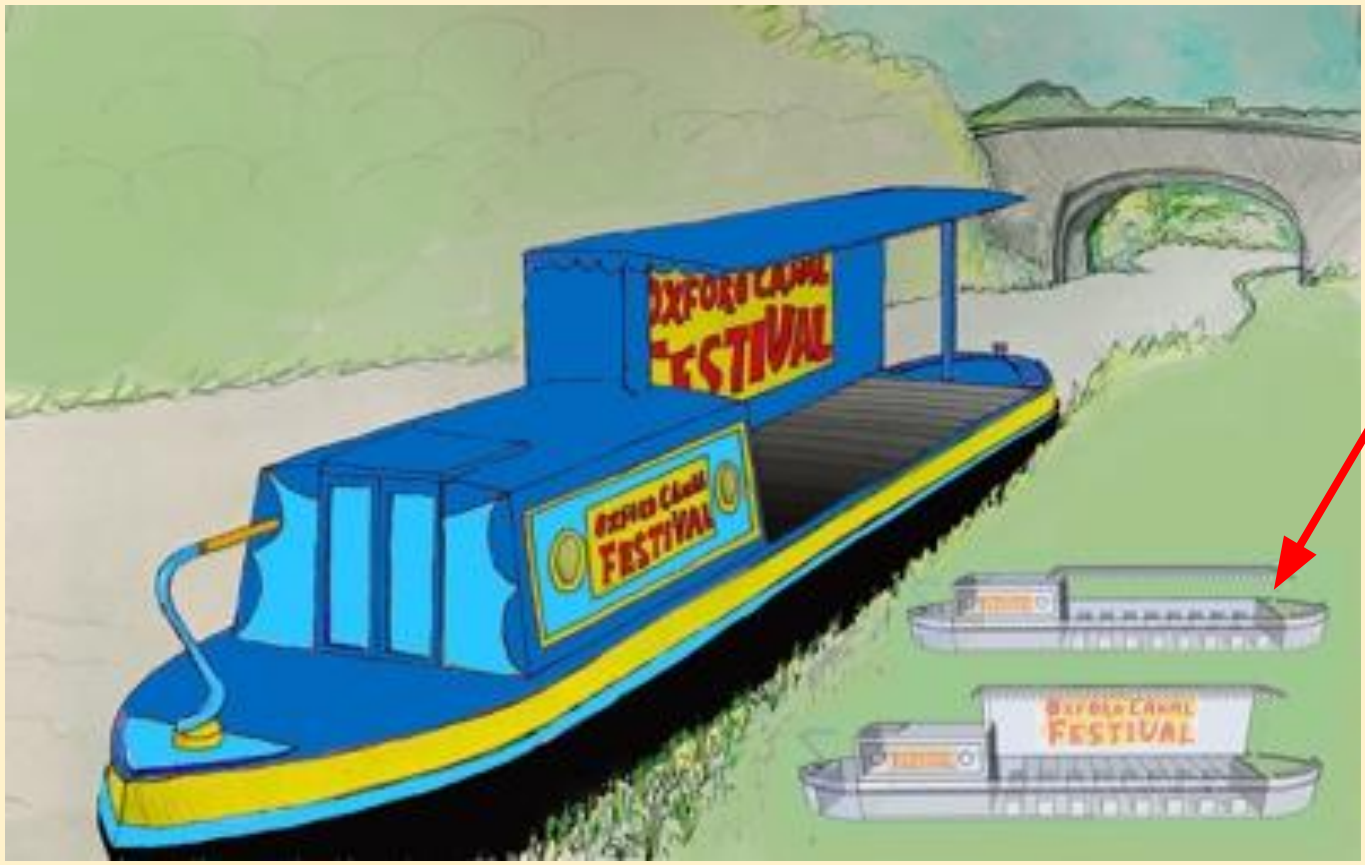
## 5. What is required of the DESIGN?

- Kilsby's rebuild and decoration should be in a traditional style, as close to the 1912 design as possible, using the restoration of narrowboat Ilkeston (from same fleet as Kilsby) as a resource;



- Kilsby must continue to be no more than 7ft wide.





- Kilsby shall be operable for concerts whichever direction the boat is pointing, parallel to the bank.

- It should be possible to transform the stage area into an area for carrying passengers.
- It should be possible to transform the stage space to a passenger facility for non-disabled users, and vice versa, in 90 minutes, with 2 people.
- It should be possible to convert the passenger seating facilities to carry people using wheelchairs in 90 minutes with 2 people.

## Requirements of DESIGN continued ...



- The design shall feature the winning stained glass window design from fundraising activities of winter 2020

## 6. What are the requirements for SAFETY and SECURITY?

- Must have onboard all equipment to satisfy [non-private boat safety certificate](#)
- Must have buoyancy aids, 1 per passenger, appropriate for age, size of individual. **RESEARCH BUOYANCY AID REQUIREMENTS FOR PASSENGERS USING WHEELCHAIRS**
- Must have first aid kits on board.
- All horizontal surfaces shall be non-slip.
- All horizontal surfaces shall be used appropriately **NEED TO PRIORITISE USING TRADITIONAL MATERIAL (ie:wood) FOR CABIN RESTORATION, OR BUILDING STRUCTURES THAT CAN SAFELY BE WALKED ON**
- Kilsby shall have removable/temporary coverage to protect performers/passengers/exhibits from inclement weather.
- Kilsby and the land-based facilities shall be alarmed to detect and deter intrusion and vandals, with security lighting, audio deterrent and alert notification to trust and/or commercial service. The alarm function shall be able to work when Kilsby is moored away from the Jericho base.
- Design and construction must be compliant with [small passenger boat code](#)
- It should be possible to chain Kilsby to the bank at mooring.
- There must be a reliably powered bilge pump onboard.

## 7. What are the **POWER** and **PROPULSION** requirements?

- Kilsby shall be designed to minimise its ecological footprint during construction and operation.
- Kilsby shall have both systems to be powered independently, or tethered to the national grid.
- Kilsby shall be able to be self propelled by an electric engine, or towed.
- Kilsby shall be able to plug into renewable power sources.
- Solar panels - **NEED TO PRIORITISE USE OF SOLAR ENERGY OR RECREATING ORIGINAL APPEARANCE OF CABINS (SOLAR PANELS WOULD MOST LIKELY OCCUPY CABIN ROOFS? )**



## POWER requirements WITH mains hook-up vs WITHOUT mains hook-up:

At second review (29/04/21) it was suggested this section be prioritised differently - instead of attempting to meet the power requirements generated in creating a 'floating theatre', beginning from the standpoint of assessing what is particularly UNIQUE about Kilsby as a venue, and harnessing those special qualities with sustainable energy choices, in turn creating a venue that is an attractive option because of its unusual characteristics and low carbon footprint.

### When moored for performance **with** electric hook-up:

- On-board 12v LED interior lighting
- Heating
- Battery bank shall be able to be recharged when at any mains hook up.
- Sufficient power, space, fixtures and fittings for amplification and lighting equipment for theatrical performance at night: **NEED EXAMPLE OF KIT HERE**
- It should be possible to power multiple (3) performances a day.
- It should be possible to host 8 performances in one week.

### When moored for performance **without** electrical hook-up:

- Kilsby should be able to cruise and provide power facilities for 4hrs minimum.
- Battery bank shall hold a minimum of 30kwh.
- On board LED 12v interior lighting, headlight.
- A portable generator shall be available (e.g. to recharge batteries when away from Jericho mooring) and stored appropriately to meet terms of reduced license cost for electric boats (if applicable).
- Sufficient power, space, fixtures and fittings for amplification and lighting equipment for theatrical performance at night: **NEED EXAMPLE OF KIT HERE**
- It should be possible to
  - host multiple (3) performances a day, in a single or multiple locations.
  - host 8 performances in one week.
  - host 3 x 80 minute shows in succession from batteries charged from generator.



The next section relates to the OPERATIONAL requirements (ie: the requirements that don't directly influence the design stage) organised in to the following fields:

1. Safety and Security
2. Mooring for performance
3. Legislation
4. Maintenance
5. Business operations

## What are the operational requirements for **SAFETY and SECURITY**?

- The safety of the historic vessel shall be taken into account when engaging in any rental activities and provisions made to ensure Kilsby will not suffer damage, including authorised skipper, crew and large deposit.
- Kilsby Skippers will hold RYA boatmasters license or CCBM (Certificate in community boat management)
- There must be a minimum of 4 people qualified and available to skipper Kilsby
- Policy for children in place - insurance, risk management, storage of life jackets, adult supervision.

## Operational requirements when moored for performance:

- When moored for performance at Jericho boatyard hirees and audience may access community centre facilities, including; Storage, washing machine, toilets, kitchen, community hall.
- There must be road access for pick up and drop off near the mooring location.
- The mooring location must be clearly signposted.
- Mooring location must be accessible without car.
- Mooring location must not be so noisy as to drown out the sounds of performance.
- Appropriate - Mooring for performance must be sensitive to needs of local residents

## What are the requirements for **LEGISLATION**?

- JLHT have insurance appropriate for all activities:
  1. Marine
  2. Civil Liability
  3. Employers liability
- Kilsby shall be compliant with liquor license regulations.
- Kilsby shall have a licence from CRT to cruise on the canals
- Kilsby shall acquire 'gold licenses' to allow cruising on the Thames - either temporary or annual dependent on usage pattern/mooring location.
- Adhere to small passenger boat code [LINK](#)



## What is required for MAINTENANCE?

- Maintenance prioritised out of season (season April-December 25th)
- Maintenance schedule followed in accordance with conservation statement for narrowboat Kilsby [LINK HERE](#)



- Volunteers shall be involved in maintenance.



## What is required of the **BUSINESS OPERATIONS**?

- Kilsby must operate to cover costs and leave small profit for maintenance fund.
- Kilsby must be available for performers/companies/directors to visit/inspect before rehearsal/booking.
- Kilsby operations must successfully meet charitable objects of Jericho Living Heritage Trust

THE END!

Got any feedback? [CLICK HERE TO SUBMIT A CHANGE REQUEST FORM!](#)

Alternatively - email your thoughts to [kilsby@oxfordcanalheritage.org](mailto:kilsby@oxfordcanalheritage.org)