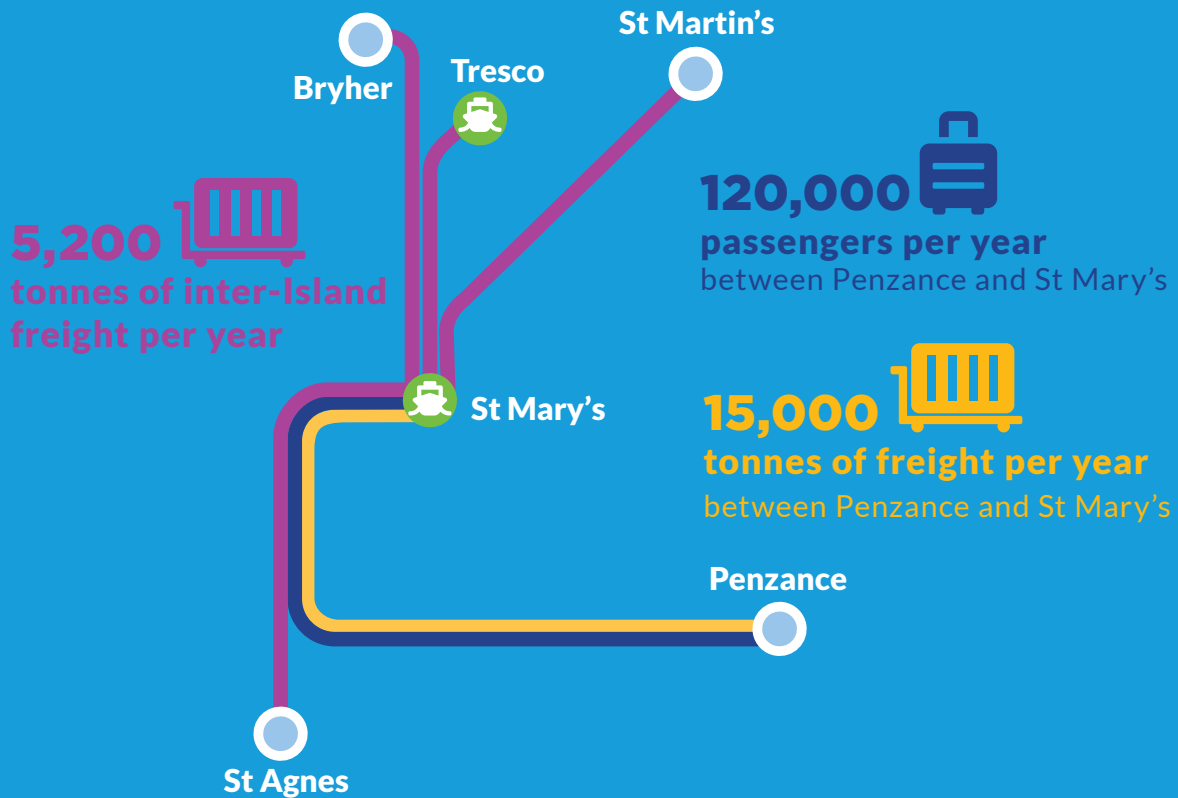


# ISLES OF SCILLY SEA LINKS

The current passenger and freight vessels which provide the sea link service will soon come to the end of their economic lives. The Isles of Scilly Transport Board has led the development of proposals to replace the vessels and improve the harbours which, subject to funding approval from Government later this year, will come into operation in 2024 and ensure the service continues to play a vital role in supporting the community, economy and protecting the environment of the Isles of Scilly.



## PROPOSED IMPROVEMENTS

### NEW VESSELS

- Scillonian IV
- Cargo Vessel
- Inter-Island Launch - Lyonesse Lady II

### HARBOUR IMPROVEMENTS

- St Mary's Quay and New Grimsby Quay, Tresco

## SCILLONIAN IV



### DESIGN FEATURES

- **Top speed of 18 knots** reducing the current journey time by 20% allowing more time on the islands for day trippers
- **Anti-roll fins** will improve the comfort of the journey and provide opportunity to extend current operating period
- **72m vessel** capable of carrying 600 passengers (115 more than Scillonian III)
- **Passenger lift** providing improved access to all decks
- **Contemporary, comfortable seating** over three decks
- **Improved passenger facilities** with an onboard coffee shop, retail area and executive lounge
- **Increased cargo capacity** designed to maximise the future needs with the ability to carry chilled/frozen goods

## CARGO VESSEL



### DESIGN FEATURES

- **45m vessel** capable of carrying more cargo
- **Greater crane lifting capacity** enabling the vessel to carry larger goods such as heavy goods vehicles
- **More spacious and versatile deck** due to reducing the hatch size and relocating the funnel housing
- **Increased capacity** with space for chilled/frozen goods
- **Modern crew cabins** for scheduled year round sailings
- **Comfortable lounge for up to 12 passengers** for use year round allowing earlier departure from the Islands

## INTER-ISLAND LAUNCH LYONESSE LADY II

### DESIGN FEATURES

- **Top speed of 12 knots** reducing current journey times
- **Reduced loaded draft** of 40cms to improve access to tidal restricted quays
- **Cargo capacity increased** by 50%

# DECARBONISING THE SEA LINKS

The Steamship Group is committed to working with both the Council of the Isles of Scilly and the Department for Transport to accelerate maritime decarbonisation.

## SCILLONIAN IV AND THE NEW CARGO VESSEL

- **Hybrid propulsion system** will enable both vessels to manoeuvre into and out of Penzance and St Mary's under battery power alone and allow the main engines to be run in the most fuel-efficient form between Penzance and St Mary's, further reducing fuel consumption, greenhouse gas emissions and maintenance costs
- **Marine diesel engines** will be MARPOL Tier III compliant with an 80% reduction in Nitrous Oxide (NOx) emissions
- **Battery capacity** will also be sufficient to deliver all alongside port operations reducing the emissions and noise produced during vessel operations

## LYONESSE LADY II

- **Lightweight aluminium structure** will burn 50% less fuel than the current vessel
- **Marine diesel engines** will also be MARPOL Tier III compliant with reduced Nitrous Oxide emissions

## FUTURE TECHNOLOGIES

- **All vessels have been designed to switch to zero emission propulsion systems** such as hydrogen when these become technically and financially feasible
- **Priority will continue to be given to maintaining a resilient life-line link** when assessing the possible introduction of any new technologies

# HARBOUR IMPROVEMENTS



In order to ensure the new vessels can operate safely and efficiently, improvements are proposed to the main quays on St Mary's and Tresco – the two busiest quays on Scilly.

These include:

- **Infrastructure works** to ensure passenger services are fully accessible at all times
- **Improved storage facilities** for freight handling
- **Installation of an electrical supply** on St Mary's Quay for hybrid and full electric vessel operation
- **Widening of the New Grimsby Quay** and construction of a slipway to separate freight and passengers and provide improved accessibility



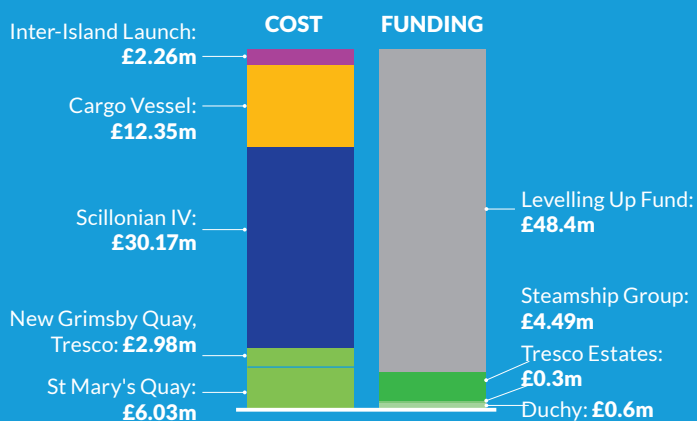
Improved pedestrian access, St Mary's Quay  
(Illustrative design)

# FUNDING AND PROGRAMME

The total cost of the project is £53.8m which if approved by the Government in Autumn 2021, will be delivered in Spring 2024.

## FUNDING

Local funding of up to £5.4m is available from the Steamship Group, Duchy of Cornwall and Tresco Estates.



A bid for £48.4m to UK Government's Levelling Up fund was submitted by the Council of the Isles of Scilly in June 2021 and a decision is expected in Autumn 2021.

## PROGRAMME

In anticipation of the funding bid being successful, work has already commenced on a programme which would see the harbour improvements completed and vessels enter service on 31 March 2024.

PHASE	ACTIVITY	PERIOD
1	Vessels designed and shipyards assessed	Up to Oct 2021
2*	Selected shipyards work on detailed designs	Nov 2021 to Mar 2022
3a	Passenger, cargo & Inter-Island vessels built	Apr 2022 to Nov 2023
3b		Jan 2022 to Sep 2023
4&5	Approval & delivery of harbour improvements	Dec 2023 to Jan 2024
6	Sea trials	Feb 2024
7	Vessels arrive in Penzance	Feb 2024 to Mar 2024
Crew training		
<b>Vessels enter service - 31 March 2024</b>		

\*Timing of Phases 2 to 7 are subject to the a Government announcement on the Levelling Up Bid

# BENEFITS

## COMMUNITY BENEFITS

If funding is secured the Council will enter into a legal agreement with the Steamship Group to ensure the following community benefits are maintained:

- **Residents travel scheme** ensuring affordable travel, priority access to crossings on the cargo vessel all year round and improved onward connectivity
- **Seat on the Steamship Board** for the Council as the community user representative informed by a Community Advisory Board
- **Access for passengers with reduced mobility** to a minimum standard set by the Council
- **Annual Passenger Transport Service Review\***
- **Provision of mainland delivery point for internet orders** and onward shipping to the Islands
- **Apprenticeship programme** for local residents

\* To be carried out by Transport Focus - a nationally recognised independent watchdog for transport users, who will report to the Council of the Isles of Scilly and Isles of Scilly Transport Board.

## WIDER BENEFITS

The improvements will deliver a range of wider benefits and support the Government's Levelling Up strategy by:

- **Improving capacity, reliability, accessibility, journey speed and passenger comfort** which is fundamental to every aspect of Island life
- **Improving access to health and education facilities** on the mainland
- **Maintaining visitor numbers** and encourages new investment in the economy
- **Reducing carbon emissions and noise footprint**
- **Maintaining financial viability** by ensuring the service can operate year-round without any subsidy
- **Enabling a vessel replacement fund to be introduced** linked to service profitability

# SCILLONIAN IV EXPO

Wesleyan Chapel, St Mary's  
23 - 30 October 2021

To assist with the design of the passenger facilities to be included in Scillonian IV, the Isles of Scilly Transport Board are running an Expo on St Mary's to allow residents and visitors to Scilly to view the current proposals and provide their views. One of the key decisions to be made at this stage in the design process is the type of seating in the new vessel. This is not only important for comfort on board, but with seating for 600 passengers required, will have a significant impact on the weight, design and final cost of the vessel.

