



Action Checklist for Municipalities: E-Ferries

How to electrify urban transport? BSR electric has developed five Action Checklists for E-Bikes, E-Buses, E-Ferries, E-Scooters and E-Vans & E-Logistics - to give a brief overview of important aspects to bear in mind for decision-making.

Procurement

- Define the most exact possible requirement profile for the electric ferry.
- Define the periphery and infrastructure as precisely as possible.
- Start planning well in advance.
- Find out about potential suppliers at an early stage.
- Use the exchange of experience with public transport authorities (PTAs) that already operate e-ferries.
- Use the experience and knowledge of the suppliers for your solution.
- Formulate the tender.
- Estimate the budget and define the budget.
- Define the required type of tender.
- Use expert knowledge and use it as a neutral partner.
- Keep the tender in budget.
- Avoid conflicts of interest in the competition.

Environmental relevance

- Consider zero emissions solutions.
- Strive for sustainability and low impact.
- Make this the default option for procurement.
- Reward the search for environmentally and climate-friendly solutions.
- Advertise competitions and award awards or bonuses.
- Offer incentives and special prices to switch to green transport

Transport system

- E-ferries are a means to achieve the ambitious goals set out in the European Commission's White Paper on transport and reducing CO2 emissions. Communicate the innovation appropriately in the community.
- Develop a long-term vision for the development of a green transport system.
- Plan replacement investments for the e-ferry with the operator/concessionaire in good time.
- Get some basic knowledge early on, get in touch with potential providers of e-ships.

- Make sure you have the right specialist knowledge and sufficient administrative capacity.
- Communicate with urban planning to integrate the e-ferry in local public transport.
- Create incentives to use the e-ferry.
- Grant incentives for the ferry operator.
- Plan alternative uses of e-ferries for tourist purposes as part of major public events.
- Check options for low energy prices, e.g. by using the night hours for charging.

Spatial and urban planning

- If necessary, plan the provision of areas and properties for the investment in an e-ferry/e-water taxi (access, building site for infrastructure).
- Take into account the expansion of the e-ferry connection with regard to loading and unloading the traffic system.
- Communicate with the transportation department about the community's transportation planning.

Public perception and awareness

- Advertise your e-ferry.
- Make the city's passengers and guests aware of the innovation.
- Point out the positive effects of the e-ferry for mobility and the environment, for health, well-being and beautification of public spaces.
- Inform about interesting details and superlatives.
- Involve the public in your goals.
- Provide opportunities for citizens to be proud of the community.
- Provide incentives and approvals for users and operators of the e-ferry.

Technical planning

- Pay attention to delivery times. Ferries are individual products, shipyards have limited capacities, manufacturers have specializations.

- Electric ferries have technical constraints and special features. Determine the operational profile and the driving profile of the planned e-ferry as precisely as possible.

- Create a requirement profile for the e-ferry. Take into account the planning in the transportation department of the municipality. Define goals in terms of usage, ranges, daily loading times (timetable, working hours).

- Find out about the service life, technical constraints and procurement times for the most expensive components of the e-ferry.

- Check the infrastructure conditions: Presence of electrical supply lines, voltage level, electrical current for charging, etc.

- Use technical expertise to create the technical specifications for the tender.

- Contact the network operator and relevant stakeholders early on to secure the technical and charging infrastructure.

- Are there reduced network charges for the electricity consumption of the e-ferry? Is there a backup system for possible power failures?

Daily operations and on-board personnel

- Inform skippers about the driving behavior of e-ferries and how it affects the battery life.

- Schedule training and instruction.

- Provide a clear view in the passenger compartment to increase safety and prevent vandalism and material damage.

- Plan the possibility of remote diagnosis, operating data acquisition and forwarding to a server for planning maintenance and repair.

BSR electric project partners:

