



Brodick Ferry Terminal

New terminal building for one of Scotland's busiest ferry routes

Brodick is the main town on the Isle of Arran located off the west coast of Scotland. The ferry route that serves the island is one of the two busiest in Scotland with several sailings per day. The existing 1970's era facilities required significant upgrades, part of a major investment to secure a safe, efficient and reliable ferry complex. The project involved extensive stakeholder and public consultation encompassing a new modern terminal building with bus bays and parking facilities, a new pier and an increased marshalling area on reclaimed land.

NORR's design for the new, larger contemporary building incorporated red sandstone with grey metal roof elements to complement the existing townscape. Gently curving lines and a variety of window sizes break down the building's overall scale using traditional elements within a contemporary expression. Dredging for the new pier removed approximately 24,000 metric tons of material, most of which was used to create the marshalling area. The remaining 6,000 metric tons was given to the community free of charge to infill their beach, which had suffered erosion and loss of sand over many years. Not only does the new terminal improve the efficiency of the ferry service, it creates a new civic gateway for the beautiful Isle of Arran and conveys a tangible sense of arrival and departure.

CLIENT	Caledonian Marine Assets Limited
	Transportation
CATEGORY	Multi-modal Hubs
SIZE	18,008 SF (1,673 SM)
LOCATION	Isle of Arran, North Ayrshire, Scotland
DATE	2017
SERVICES	Architecture

AWARDS

- 2019 Royal Incorporation of Architects in Scotland (RAIS), RICS Awards Finalist – Infrastructure category
- 2018 UK Port Awards, Port Infrastructure Project of the Year

Transportation

NORR's Transportation Studio develops aviation, transit and multimodal hub solutions for clients around the world. We understand the needs of government and private operators to maintain, upgrade and provide new transportation services and supporting infrastructure. Our design solutions are purpose-driven to build better, more efficient and environmentally friendly transportation nodes that incorporate flexibility for future system expansion.

Integrated Designs for Aviation

We have proven experience in all aspects of airport design, engineering and operations, from curbside to airside. Our dedicated global team has designed and managed complex projects for the transportation industry, including terminal buildings, parkades, maintenance and training hangars, de-icing facilities, runways, taxiways, aprons and satellite space hubs. Our design work extends to master planning, interior reconfigurations, lounges and retail buildouts. We've been involved in multiple prestigious projects located worldwide, beginning in 1964 with Canada's largest airport, Toronto Pearson International Airport.

Managing the Complexity of Transit Projects

Public transit, including subway and light rail transit, is vital to a healthy sustainable city. At NORR, we work collaboratively with all levels of government and private operators to provide planning and programs that increase capacity, eliminate spatial and technical limitations on balance with financial realities. We have

developed a framework for detailed project phasing and staging strategies, for design implementation through to construction that has the least impact on the system and traffic flow.

Multimodal Transit Hubs

All levels of government are looking to move people and goods through multimodal transit hubs providing more options, enhanced service and increased efficiencies. We continue to be at the forefront of planning, designing and implementing projects that include regional transit, railway and ferry terminals, as well as border crossings. Our experience goes far beyond design and engineering. Today, the reduction of carbon emissions, elimination of noise pollution and resolution of other environmental issues are all integral aspects of our work.

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