



# Curriculum Vitae

**Andrew Sandison**  
**Senior Consultant**

## CONTACT

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## NATIONALITY

British

## QUALIFICATIONS

BSc (Hons) Civil  
Engineering  
Post Graduate Diploma in  
Offshore Engineering

## ACCREDITATIONS

BSc (Hons) CEng FICE FIES

## YEARS OF EXPERIENCE

38+

## EXPERTISE

Marine Works  
Highways & Bridges  
Industrial, Commercial and  
Domestic Structures  
Dredging & Reclamation  
Contract & Project  
Management  
SER Certification  
Oil and Gas Sectors

## PROFILE

Andrew joined Arch Henderson in 1997 and became a Partner responsible for the administration and management of the Lerwick Office. He is now a Senior Consultant whose recent experience includes the design, supervision and contract management of a variety of Civil/Structural Engineering projects including marine works, building structures, highway works, office conversions and housing improvements. Andrew is a Fellow of the Institution of Civil Engineers.

## EXPERIENCE

Andrew has over 30 years of experience in Design, Supervision and Contract Management and has gained experience in a wide variety of civil and structural engineering projects throughout Scotland and the UK and undertakes all marine works for Lerwick Port Authority.

## SELECTION OF PROJECTS:

### DALES VOE DECOMMISSIONING FACILITY

Project Manager for Dales Voe Decommissioning Facility and Ninian Northern Heavy Lift Load in and Skid Track Above Ground Supports. £2.8M – completed in 2020.

### LERWICK FISH MARKET

Project Manager for the new fish market, managing design, tender and construction and Principal Designer role. Chairing Stakeholder group meetings and finding solutions to meet differing requirements of the client, funders and international fishing industry. £9M. – completed 2020.

### SCALLOWAY FISH MARKET

Project Manager for new fish market managing the design, tender and construction for Shetland Islands Council. £5.2M – completed 2020.

### HOLMSGARTH NORTH, LERWICK HARBOUR

Land reclamation, construction of 804m of new steel solid quay berthing face with the east face 275m long to -10m CD. Approximately 185,000m<sup>3</sup> infill was required to form the reclamation and quay works. Managed feasibility study, site investigation, design, pricing, procurement, and licensing. Principal Designer. Project Manager during construction, under NEC contract, to completion. Project required innovative drilling and blasting techniques to pre-treat hard strata and provide pile toe fixity. £16.5M – Completed 2016.



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### **DALES VOE SOUTH**

Dales Voe South - Construction of 80m long quay using 2m dia. rock socketed combi wall, -12.5m CD depth heavy-lift load in quay for oil decommissioning activities and platform top side direct transfer ashore capabilities. Remote location surrounded by working quarry and regular use by marine vessels. Managed feasibility study, site investigation, design, pricing, procurement and licensing. Principal Designer. Project Manager during current construction, under NEC contract. £11.5M – Completed 2016.

### **GREENHEAD BERTH 7 & 8**

Project Manager under NEC contract for design, tender and contract administration for this project consisting of two new quays at Greenhead, Lerwick for oil logistics industry. Consisting of approx. 185m length to -9mCD of suspended 18m wide concrete quay on steel piles with rock armour slope and 68,000m<sup>3</sup> of reclamation infill. £6.5M – Completed 2013.

### **LERWICK HARBOUR DREDGING AND RECLAMATION WORKS**

Project Manager for design and procurement of dredging works (750,000m<sup>3</sup>) and re-use in 5.1 Hectares of land reclamation in Lerwick Harbour. £11.5M – Completed 2010.

### **HOUSING DEVELOPMENTS**

Structural and civil design and SER certification for a number of housing developments for Hjaltland Housing Association; including Fort Road, Quoys, East Voe, Pegasus Place, Cullivoe, Aith and Ladies Mire.

### **CURRENT PROJECTS:**

#### **ULTRA DEEP WATER QUAY**

The project to design an ultra-deep water quay at Dales Voe providing 24 metre deep quay for use by the offshore decommissioning industry commenced in 2017.

#### **ORKNEY HARBOURS MASTERPLAN**

Project Director for the Orkney Harbours Masterplan which seeks to support the development of Orkney's leading innovation in energy and renewables. The proposed plan is considering options for a new deep water quay for Scapa, along with a pier extension and additional shore side area; a new pier and quayside infrastructure for Hatston and a marina development for Kirkwall.



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## EMPLOYMENT HISTORY

2024 to present	Senior Consultant Engineer, Arch Henderson LLP
1997 to 2024	Partner, <b>Arch Henderson LLP</b>
1993 to 1997	Project Engineer, Mott MacDonald
1989 to 1993	Design Engineer. Babbie. Shaw & Morton
1987 to 1989	