

## Project Case Study

<b>Client:</b>	Scottish Sea Farms Ltd
<b>Project Value:</b>	£0.4m
<b>Dates:</b>	August 2015 – January 2016



### Description:

This project involved replacing two ageing ice making plants at Scottish Sea Farms salmon processing factories at South Shian in Argyll and at Scalloway on Shetland. The existing plants were suffering increasingly from maintenance issues and breakdowns and were no longer compliant with new regulations on the chemicals used for cooling (CFCs).

At Scalloway, the existing ice making plant was housed within the roof of the building. A large section of cladding was removed along with some structural steelwork to remove the existing plant, the new ice plant was craned in, and cooling fans on the roof were also replaced. A new containerised plant room was also installed in the yard.

At South Shian, a steel frame 10m high was built in the yard adjacent to the factory, and the new ice plant lifted in place on top. On both sites, works had to be done without disruption to processing.

### Scope of Works:

Our involvement was primarily to support the existing SSF engineering team to ensure that the project was delivered in compliance with relevant H&S legislation including the Construction Design and Management (CDM) Regs 2015. The project involved high risk work at height, lifting operations, confined spaces and hazardous substances (ammonia coolant).

Taking on the role of Principal Designer, we advised the Client on their duties, they were also deemed to be the Principal Contractor for the project by virtue of the contractual arrangements. We developed the Management Arrangements for the project, produced the Pre-Construction Information, Construction Phase Plan, Risk Assessments and Method Statements. We also checked competence of Contractors, reviewed their RAMS and Lifting Plans, and monitored works on site.

### Key Points

Developing proposals to use containerised ice making plant and equipment fabricated off site, saving the client money and minimising high risk work undertaken at height.

Co-ordinating a complex tandem crane lift using two lorry-loaders due to the tight space available in the yard, where a standard (larger) crane was unable to set up for a single lift.