



The Customer

Associated Seafoods Ltd is the parent organisation of a specialist group of seafood companies that comprises Moray Seafoods, Lossie Seafoods and Glenisla Shellfish. The product range includes premium Scottish smoked salmon, Scottish langoustine, and Scottish crab and scallops. This top quality Scottish seafood is served in some of the top restaurants and hotels around the world including Italy, Switzerland, Russia, Mexico and the Middle East.

Energy efficiency - UK first

Our design focusing on state of the art equipment with complete energy efficiency was key to winning the contract as part of the refurbishment and upgrade of Associated Seafood's fish processing plant in Buckie. Here the ACE team installed a pack of four compressors with the lead compressor, a semi-hermetic reciprocating compressor, using digital control logic. This pack reduces running costs drastically as it allows for a large variance between peak and minimum load demand. Previously refrigeration engineers may have used a standard compressor or controlled the lead compressor via an inverter drive. But a standard lead compressor would have led to crude capacity control and on occasion there can be compressor damage when using inverter drives and operating them at low speed for an extended period. Digital modulation is the most simple and precise method of capacity control and helps to contain costs associated with modulation. The compressor always runs at constant speed which resolves the challenges related to oil return, mechanical and electrical stress on the system.

Air Conditioning

The new Copeland Stream compressor pack installed by ACE at Associated Seafoods also controls three air handling units, managing the air conditioning for the entire factory.

BRC Compliance

ACE Refrigeration has worked with Associated Seafoods to help create a new BRC (British Retail Consortium) compliant processing plant and this digitally controlled compressor pack helps the refrigeration plant to be energy efficient, sustainable, quiet and more environmentally responsible. Established more than 60 years' ago, the refrigeration and cold room specialists at ACE designed and installed a number of chill areas at the Buckie site including pre-smoke and post-smoke chills, a curing chill, a crab chill and a blast chill as well as a goods in chill, despatch chill and refrigerated goods out holding area.

Manufacturer Independence

ACE Refrigeration is manufacturer independent and able to offer customers solutions which best meet their needs; and with energy costs on the rise, this is the ideal time to take action. As well as complying with the legal requirements of ever-changing legislation, replacing tired and inefficient equipment can have a major benefit on your bottom line - some of our recent installations have had a payback period of less than 2 years based on the energy savings received; some customers have saved up to 25% off their energy bills.

Legislation & Guidelines

At ACE, we can help you achieve the following:

- **F-Gas Compliance**
- **Health & Safety Compliance**
- **Reduced Liability Insurance Premiums**
- **Lower Life Cycle Costs**
- **24/7/365** – As an ACE PPM customer you are guaranteed priority service 24 hours per day, 7 days per week, 365 days per year

Fish & Seafood Industry

Alongside the design, supply and installation of a variety of ice generators to many clients in the seafood and fishing industry, ACE Refrigeration has also carried out major design and installation projects for cold rooms and freezer rooms, chilled production facilities and blast chillers and freezers.

Reliability, efficiency and product integrity are the key words in the fish and seafood industry, we know you cannot afford wastage and need to keep your customers happy. We work to ensure your facilities adhere to HACCP and food hygiene guidelines. Planned Preventative Maintenance is the key to avoiding hefty repair bills and reducing the overall operational cost of your refrigeration equipment. ACE Maintenance packages are tailored to suit our customers individual financial and operational situations.

Other customers in the Fish & Seafood industry include:

- Braehead SFO
- Marine Harvest
- Edinburgh Salmon Company
- Inverawe Smokehouse
- Galloway Seafoods

