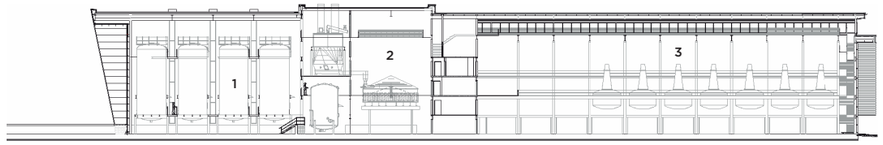
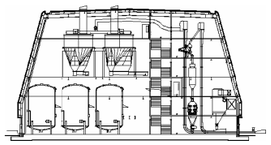
Austin·Smith:Lord

ROSEISLE DISTILLERY, ELGIN

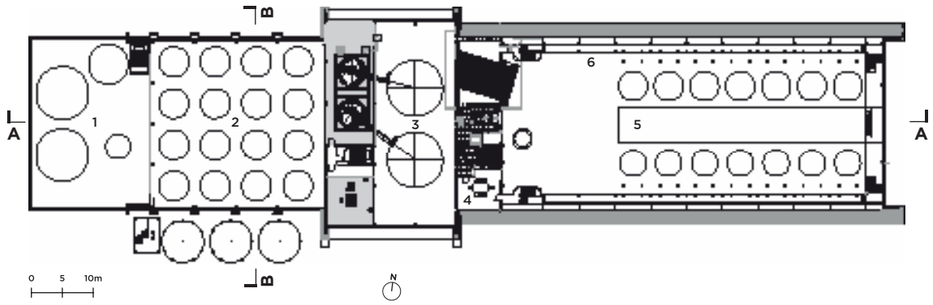




Section A-A
1. Tank farm
2. Mash house
3. Still house



Section B-B through Mash House



Floor plan
1. Tank farm
2. Tank farm
3. Mash house
4. Meeting room
5. Still house
6. Access gantry

LOCATION: ELGIN, SCOTLAND

COMPLETION: 2009

VALUE: £40.0M

FLOOR AREA: 3,000M²

SERVICE: ARCHITECTURE, LANDSCAPE

SECTORS: INDUSTRY & INFRASTRUCTURE

CLIENT: DIAGEO DISTILLING LIMITED

CONTRACTOR: ROK

STRUCTURES: AECOM

SERVICES: AECOM

COST CONSULTANT: SUMMERS INMAN

AWARDS: 2010: SCOTTISH DESIGN AWARD - COMMERCIAL PROJECT CATEGORY

RICS SCOTLAND AWARD - SUSTAINABILITY PROJECT OF THE YEAR

RICS SCOTLAND AWARD - OVERALL PROJECT OF THE YEAR

SCOTTISH CIVIC TRUST COMMENDATION - ENGINEERING SECTION

2013: RENEWABLE ENERGY PROJECT OF THE YEAR AT THE BUSINESSGREEN LEADERS AWARDS

The Roseisle Distillery, for drinks manufacturing giant Diageo, is the first major new distillery in Scotland for 30 years. It is also the largest, with a potential output of 10 million litres of malt whisky per year. The design echoes the distillation process, whilst attempting to break down the mass, scale and visual impact of the building in response to its rural setting of the old town of Elgin. The series of separate identifiable volumes reflect the three key functions of the whisky-making process: mashing, fermentation and distilling.



Site plan
1. Distillery
2. Biomass generator building



The building's modern interpretation of the traditional still house maximises natural ventilation and daylight. The three key external forms which reflect the main internal functions; the timber-clad barrel structure, with a full-height glazed gable, showcasing the 14 stills; the central copper clad accommodation block containing the two big mash tuns and control centre; and the metal-clad tun rooms holding the 14 fermentation tanks, four of which are visible from the main road.

The client sought to address a variety of inefficiencies in the manufacturing process, creating Scotland's most environmentally friendly distillery, significantly reducing the carbon footprint of its predecessors by an innovative approach to waste and heat recovery, culminating in the building receiving a BREEAM Excellent award recognising the holistic approach to environmental sustainability.

The majority of the distilling process by-products are recycled on site in a bio-energy facility, helping the distillery to generate most of its own energy and reduce potential CO2 emissions by approximately 13,000 tonnes (equivalent to 10,000 family cars) through direct savings on fuel use for steam raising.

A close working relationship between the architect, client, engineers and the contractor ensured that the building was competed on time and on budget, with work starting on site in October 2007 and completed in Spring 2009. The first whisky was pouring from its stills 24 months after the design team's initial involvement. The Roseisle distillery has won two awards in the RICS Scotland 2010 Awards - Sustainability Project of the Year and the overall Project of the Year. It also won the prestigious Design Scotland Award 2010.