

# ATEX & DSEAR COMPLIANT GRAIN HANDLING & STORAGE SYSTEM



As part of a large scale project, **Don Valley Engineering** supported the main contractor with the design, supply and installation of a full grain intake and conveying plant complete with 420 tonne storage capacity, sampling, dressing and process weighing facilities and **ATEX** compliant dust extraction system for the world renowned **Macallan Single Malt**

<b>Client:</b>	Forsyth Group
<b>Location:</b>	Speyside
<b>Duration:</b>	70 weeks
<b>Completion:</b>	October 2016
<b>Value:</b>	£975,000
<b>Contract</b>	MF1 (Rev 6)



- Complete intake and storage system
- Integrated dust extraction system
- ATEX & DSEAR compliant equipment
- Large, multi-discipline construction site
- Complex working environment
- Architect led high standard of finish

DVE were selected to provide the malt intake at this iconic architect designed distillery. The design of the distillery built into the hill side meant that the ATEX requirements for the project were very complex. Equipment was fitted into a compact space in the proximity of vehicles and personnel walkways making explosion protection difficult. After implementing a detailed DSEAR survey, a coherent strategy was formulated using a mixture of fire suppression, slow moving machinery and facilities for thorough house keeping.

- The scope of supply was:
- ATEX survey
  - Road tipping point
  - Intake conveyors
  - Low profile pneumatic slide valves
  - Sampling system
  - 14 malt storage bins
  - Two way silo vent valves
  - CO<sub>2</sub> explosion suppression system
  - Discharge en masse elevators to grist case
  - In line weigher
  - Destoner
  - Dust extraction system

