

# FACT SHEET

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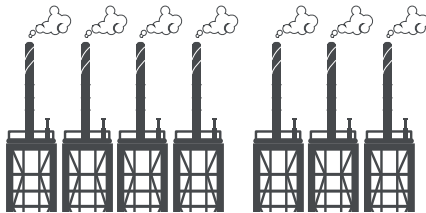
## WHAT WE DO AT THE FIFE ETHYLENE PLANT



**NORTH SEA**



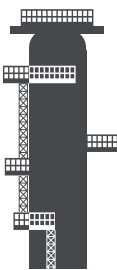
**NATURAL GAS**  
140 miles from St Fergus.



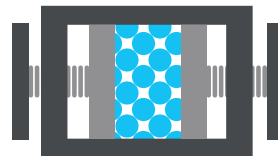
**FURNACES AND STEAM**  
Over 850°.



**ETHANE GAS**



**QUENCH**  
Shower to cool down.



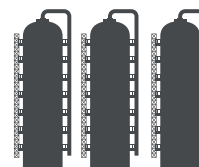
**COMPRESSOR**  
Equivalent to 200m below sea level.



**COOL BOX**  
Colder than Arctic at -160°C.



**ETHYLENE**  
Underground pipeline to Braefoot Bay.



**SEPARATION TOWERS**  
Ethylene produced as a non-toxic liquid natural gas.



Mixture turned from gas to liquid.

**BRAEFoot BAY**  
Firth of Forth



**BRAEFoot BAY**  
Ethylene delivered to mainland Europe. Each year we produce around **800,000 tonnes** one of Scotland's biggest exports.