



**Scope of Works**-Wind turbine base grouting

**Client**- Raymond Brown Construction

**Location**- Berwick

## Project details



Skyform's Wind Division has many years of experience, recently our Specialist Division have paired up with the Wind Division during the installation of turbine bases. Our team undertook a grouting works in Berwick, these works entailed grouting of the load rings once they have been set in the correct position. Our operatives pay great attention to detail to the load rings as they are a very important part of the construction of the turbine, determining smooth, productive construction and efficient operation of the complete turbine. All of the works Skyform's Divisions undertake follow the material manufacturers' guidelines in strict accordance, providing the client with the best work possible.

## Project Process-

- Using high pressure water jetting equipment the concrete base is cleaned before any works have started.
- So that the grout isn't laid onto a dry concrete surface our operatives soak the concrete base until it is saturated.
- Our purpose built timber frameworks is then securely attached onto the circumference of the load ring so that the works are contained.
- At the starting point of the pour we place a rubber barrier which is removed prior to the end of the pour. This ensures that a proper joint is formed in the pour.
- To mix the grout our operatives use a Putzmeister, then pouring from one side of the concrete base until it reaches the top of the foundation.
- We then disturbed the grouting before it started to cure with a metal poker to ensure all of the air trapped in the mix is removed.
- To ensure the grout has a minimum temperature of 5 Degrease during its curing period, if necessary a heated and tinted enclosure is formed.

