The group comprises companies with a capability in the design, construction and installation of offshore gravity foundations for the Round 3 zones and associated developments.

All members are committed to working with stakeholders to create an environment where concrete gravity foundations can be used for offshore wind farms. Members of the group support MPA The Concrete Centre in developing materials and disseminating the generic benefits of concrete gravity foundations for offshore wind farms.

Chair:
John Bingham, Royal Haskoning DHV, agent for The Crown Estate.

Secretariat:
Alan Bromage, consultant to MPA The Concrete Centre.

Member listing:

<table>
<thead>
<tr>
<th>Company</th>
<th>Website</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Crown Estate</td>
<td><a href="http://www.thecrownestate.co.uk">www.thecrownestate.co.uk</a></td>
</tr>
<tr>
<td>BAM Wind Energy and Van Oord Offshore Wind Projects</td>
<td><a href="http://www.bamnuttall.co.uk">www.bamnuttall.co.uk</a></td>
</tr>
<tr>
<td>GBF® - a consortium of Ramboll, Freyssinet and BMT Nigel Gee.</td>
<td><a href="http://www.gbf.eu.com">www.gbf.eu.com</a></td>
</tr>
<tr>
<td>Gravitas Offshore</td>
<td><a href="http://www.gravitaso%E6%8B%ADshore.com">www.gravitaso拭shore.com</a></td>
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<tr>
<td>Grontmij</td>
<td><a href="http://www.grontmj.co.uk">www.grontmj.co.uk</a></td>
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<tr>
<td>Ocean Foundations</td>
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<tr>
<td>Seatower</td>
<td><a href="http://www.seatower.com">www.seatower.com</a></td>
</tr>
<tr>
<td>Skanska working in partnership with Grontmij and Boskalis Offshore</td>
<td><a href="http://www.skanska.co.uk">www.skanska.co.uk</a></td>
</tr>
<tr>
<td>Boskalis Offshore</td>
<td><a href="http://www.boskalis.com">www.boskalis.com</a></td>
</tr>
<tr>
<td>Strabag Offshore Wind GmbH</td>
<td><a href="http://www.strabag-offshore.com">www.strabag-offshore.com</a></td>
</tr>
<tr>
<td>Vici Ventus</td>
<td><a href="http://www.viciventus.no">www.viciventus.no</a></td>
</tr>
<tr>
<td>Vinci Offshore Wind UK</td>
<td><a href="http://www.vinci-offshorewind.co.uk">www.vinci-offshorewind.co.uk</a></td>
</tr>
</tbody>
</table>
## Admixtures
- **Grace Construction Products**
  - [www.grace.com](http://www.grace.com)

## Aggregates/Cement/Concrete
- **Aggregate Industries**
  - [www.aggregate.com](http://www.aggregate.com)
- **Brett Concrete**
  - [www.brett.co.uk](http://www.brett.co.uk)
- **CEMEX**
  - [www.cemex.co.uk](http://www.cemex.co.uk)
- **Hanson**
- **Lafarge Tarmac**
  - [www.lafargetarmac.com](http://www.lafargetarmac.com)
- **LKAB Minerals**
  - [www.lkabminerals.com](http://www.lkabminerals.com)
- **Lytag**
  - [www.lytag.net](http://www.lytag.net)
- **Sea Aggregates**
  - part of Euromin
  - [www.euromin.co.uk](http://www.euromin.co.uk)

## Reinforcement Steel
- **CELSA STEEL UK**
  - [www.celsauk.com](http://www.celsauk.com)

## Formwork
- **Ischebeck Titan**
  - [www.ischebeck-titan.co.uk](http://www.ischebeck-titan.co.uk)
- **PERI Ltd**
  - [www.peri.ltd.uk](http://www.peri.ltd.uk)

## Consulting Engineers
- **Flint and Neill**
  - [www.flintneill.com](http://www.flintneill.com)

## Marine Contractor
- **Ballast Nedam**
  - [www.ballast-nedam.nl](http://www.ballast-nedam.nl)
- **DEME Group**
  - [www.deme.be](http://www.deme.be)

## Ports, Aggregates and Concrete
- **Kishorn Port /Leith's**
  - [www.kishornport.co.uk](http://www.kishornport.co.uk)
Gravity Foundation Solutions

Offshore Wind

MPA The Concrete Centre has formed an interest group of companies and consortia capable of providing gravity foundations to offshore wind developments.

As wind farm sites move further offshore and into deeper waters new foundation solutions are required.

Concrete gravity foundations offer a solution for the majority of soils and water depths around the UK. Where rock is present near the sea-bed, they may well prove to be the only viable foundation type.

There are a range of gravity foundations available, providing choice and competition thus ensuring a robust supply chain and cost-competitive solutions.

Provider: BAM Wind Energy in partnership with Van Oord Offshore Wind Projects

Provider: GBF®: Ramboll, Freyssinet and BMT

Nigel Gee

Provider: Gravitas Offshore

Provider: Ocean Foundations

www.concretecentre.com/wind
The Benefits of Concrete Gravity Bases:

- Cost-effective
- Low carbon
- Low maintenance
- Local materials
- Whole-life performance
- Durable in the marine environment
- Minimises the impact to marine mammals
- Supports UK economy

Provider: Seatower
Provider: Skanska, Boskalis Offshore and Grontmij
Provider: Strabag
Provider: Vici Ventus
Provider: VINCI Offshore Wind UK in collaboration with DEME Group