



Offshore Wind Concrete Substructures Conference

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An Introduction to Glensanda Quarry

Aggregate Industries

Part of the Holcim Group

Supplies the UK and Overseas Markets

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Overview

Glensanda, Scotland's only Super Quarry is the largest Granite quarry in Europe and is located on the West coast in Loch Linnhe with deep water approaches and access for bulk shipping. The following video gives a brief overview of Glensanda

Capacity

- Produced and shipped to date 190Mt
- Remaining reserves 715Mt
- Consented annual production 15Mt
- Current production 6.5Mt
- Production by 2026 9.5Mt
- Remaining capacity 75 years

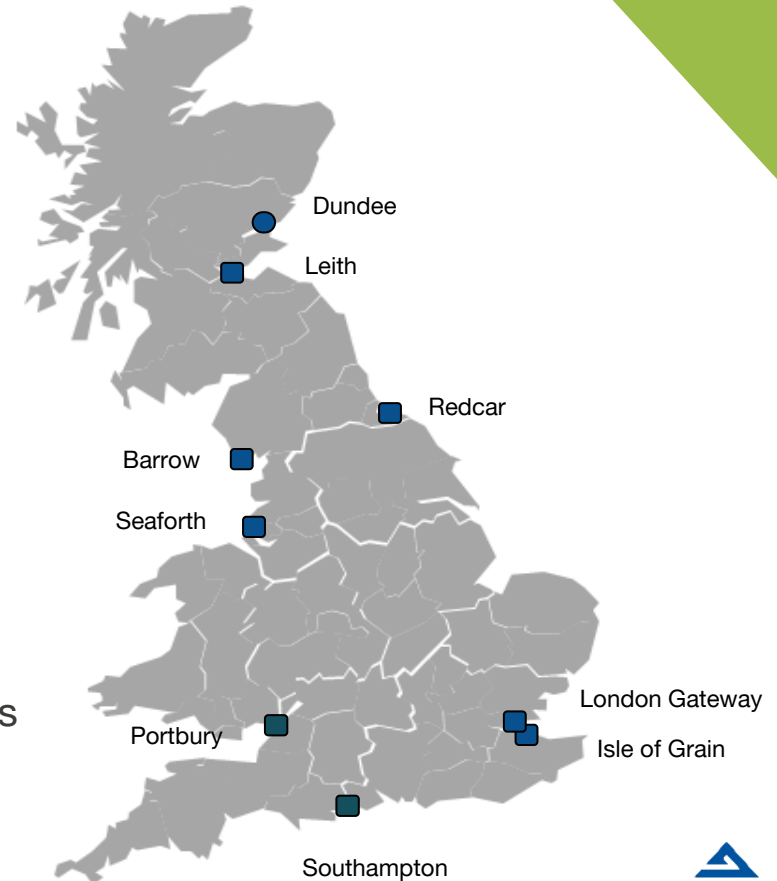
UK Market

Current terminals

- Isle of Grain
- London Gateway
- Seaforth
- Redcar
- Leith
- Barrow,
- Dundee,
- Southampton
- Portbury

Products delivered

- Concrete aggregates and sand
- Asphalt aggregates and crushed rock fines
- Rail ballast
- Fill material
- Sand for precast



Logistics

AI - 50%

AB HOLDINGS JV

Bontrup - 50%

Yeoman Bridge - 95,000t



Yeoman Bontrup - 95,000t



Yeoman Bank - 38,000t



These ships to date;

Bridge	63Mt
Bontrup	30Mt
Bank	32Mt
Amsterdam	4Mt

Bontrup Amsterdam 59,000t



Shipping Capacity: 7.5 MT
Plus additional charters

History and Headlines

Started by the Yeoman family in the 1980s, purchased by Aggregate Industries in 2007, Glensanda has supplied to many destinations and large projects over the years including;

- First ship, Hellsport Monarch to Houston, Texas, USA in August 1986, 54kt
 - 1.5Mt shipped to Houston between 1986 and 1988

- Major supplier to Channel Tunnel project from 1988 to 1993
 - Tunnel Segments
1.5Mt
 - Shakespeare Cliff Retention, In Tunnel Structural and Shotcrete
1.5Mt
 - Folkestone Terminal, Dollands Moor and HS1
2.0Mt
 - Total Volume Supplied

UK Concrete Projects

Concrete Projects Supplied Using Glensanda Material

- London Gateway Redevelopment

250,000m³ (Ongoing)

- Barrow BAE Nuclear Submarine Redevelopment

150,000m³ (Ongoing)

- Liverpool 2, deep water container terminal

90,000m³

- Teesworks heavy lift quay

24,000m³

Holcim Case Study



Key project data

500 MW offshore wind farm of Fécamp

Fixed bottom concrete foundations

RMX supply: 2020 – 2022

71 elements, each with 1,725 m³ of RMX

Total concrete supply: 125,000 m³

Total aggregate supply: 225,000 tonne

Unique Selling Points

An important source of construction aggregate for major infrastructure projects in both the UK and Europe priding itself on solutions management.

- Ship loading up to 6,000 tonnes per hour
- 2 Loading berths
- Regular single shipments from 800t to 90,000t
- A workforce of 200 operating 24/7, 364 days per year
- Production of Concrete and Asphalt aggregates plus light and heavy armour
- In house Technicians and Laboratory testing on production and ship loading

Summary

Glensanda has the ability to consistently supply materials for offshore projects such as wind farm bases, cable and scour protection.

Due to the type of aggregate, capacity and speed of production and setup of loading direct to ship, Glensanda is ideally suited for the offshore market.

We know the opportunities in the offshore market over the coming years are substantial and at Glensanda we have the capacity and desire to be part of it.



Thank you

