



Construction solutions for energy  
from Aggregate Industries

# Delivering value in construction materials and services

Aggregate Industries is one of the UK's leading aggregates, construction and building materials groups.

With over 350 locations in the UK, the Channel Islands and Northern Europe, we offer a unique portfolio and delivery of construction solutions, producing and supplying a wide range of construction materials.

In addition we offer a road contracting service that boasts over 70 years' experience in highways maintenance, road surfacing and traffic management.

## The Responsible Source™

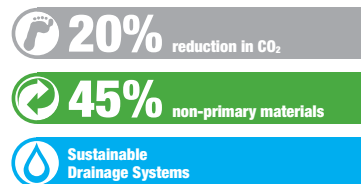


In 2009, Aggregate Industries became the first company in the world to be certified to BES 6001 'The Framework Standard for the Responsible Sourcing of Construction Products', by the Building Research Establishment (BRE). Today, the majority of our products are certified as EXCELLENT under the BES 6001 standard.

This means that our customers can have full confidence in sourcing materials from a responsible supplier and meet their own sustainability targets more easily.

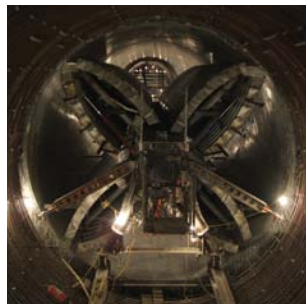
## Sustainability made clear

We introduced Life™ to help our customers source sustainable solutions under one simple and easy brand. Each of the solutions that carry the Life logo meet or exceed the three benchmarks that we have set in the key areas of carbon reduction, non-primary material content and water treatment or control within a SUDS solution as shown below. The sustainable contribution of each Life solution is clearly and simply quantified for our customers to reference. For more information on our Life range of solutions, please visit [www.aggregate.com/life](http://www.aggregate.com/life).



Life benchmarks

Today, the majority of our products are certified as EXCELLENT under the BES 6001 standard



# Construction solutions for the energy sector

Electricity is a fundamental part of our daily lives and it is important to us all that the market works effectively. To date, the system has delivered secure and affordable electricity for the UK but it cannot meet the challenges of the future.

Around a quarter of our existing capacity will close in the next decade as the aging fleet of coal and nuclear power stations are taken offline for decommissioning. Against a background of increasing demand, this has significant implications for overall energy security, and a record level of investment will be required to build an electricity system fit for the future.

## UK Energy Policy

Current policy sets out the Government's commitment to transform the electricity system to ensure that our future electricity supply is secure, low-carbon and affordable.

In addition to the challenge of energy security, it is vital that we take action to reform the UK into a low-carbon economy and meet our 15 per cent renewable energy target by 2020 and our 80 per cent carbon reduction target by 2050. To achieve this overall decarbonisation of electricity, the UK needs a huge investment in renewables.

## Commitment to renewable energy

Traditional fossil fuels leave the UK open to volatile prices, deepen our dependence on imported energy and emit too much carbon.

To decarbonise our power generation, we need a new generation of nuclear stations, wind and wave technologies, energy from biomass and gas and coal plants that can capture harmful emissions. This will build a cleaner, more diverse and more sustainable electricity mix.

To reform the market, the UK government has committed to spend over £100 billion to create new electricity generation capacity, and upgrade the network for transmission and distribution.

## Building our electric future

Investment in cleaner power stations and more sustainable, renewable sources creates significant demand for the construction sector. Aggregate Industries is able to offer integrated, multi-product solutions, supplying large volumes of materials using our super-quarries and network of sustainable transport options.

As government policy continues to set the background for a secure, low carbon energy mix, we are committed to playing our part in creating a sustainable energy future.



**Offshore wind**  
 Concrete gravity base  
 Concrete foundations  
 Armourstone

**Power station buildings**  
 Concrete  
 Aggregate fills and sub-bases  
 Floor screeds

**Wind turbines and cooling towers**  
 Concrete  
 Precast concrete solutions  
 Asphalt

**Electricity distribution**  
 Aggregate fill and sub-bases  
 Concrete

**Visitor centre/ancillary buildings**  
 Concrete blocks  
 Masonry walling blocks  
 Floor screed

**Street works**  
 Asphalt  
 Contracting  
 Aggregate fills and sub-bases

**Car Park**  
 Asphalt  
 Aggregate fills and sub-bases  
 SUDS  
 Contracting

**Waste repository**  
 Aggregate fills and sub-bases  
 Concrete



# Construction solutions for energy

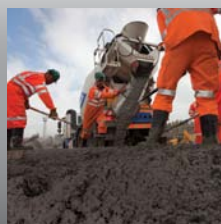
## Marine works

Concrete

Armourstone

Aggregate fills and sub-bases

We specialise in the supply of the following products and services to the power and renewables construction industry:



## Concrete

Given the size and scale of projects in the energy sector, we can provide onsite batching plants to produce large volumes of consistently high quality concrete. We can supply elementary components for concrete manufacture by road, rail or sea.



## Construction aggregates

From our network of quarries, we can supply a wide range of construction aggregates. Construction fills can be supplied in vast quantities, and we have a portfolio of high quality aggregates for concrete manufacture either on or off site.



## Logistics

With complex and often remote site locations, we recognise that these projects are all about logistics. Our network of rail wagons, ships and barges allow us to transport large quantities of materials to construction sites in a sustainable, efficient way.

## Rail

Rail ballast

Precast concrete solutions

### We also supply:

- Aggregate fills and sub-bases
- Asphalt
- Cementitious materials
- Concrete
- Concrete blocks
- Contracting
- Floor screed
- Hard landscaping
- Masonry walling blocks
- Precast concrete solutions
- Rail ballast
- Specialist sands
- SUDS

To find out more about our product and service solutions please call our major projects team on 0844 557 8393 or visit [www.aggregate.com/sectors](http://www.aggregate.com/sectors)

# Aggregate Industries

## Our experience

Aggregate Industries has supplied some of the largest, most complex and high profile infrastructure projects of recent times.

### 01 Sellafield and Drigg, Low Level Waste Repository (LLWR)

Aggregate Industries supplied a large quantity of aggregates for the construction of a low-level nuclear waste storage repository on the West Cumbrian coast. Materials were delivered by rail from Aggregate Industries quarries, keeping lorry movements to a bare minimum, a key consideration given the rural location.

As well as enriching site won materials with Bentonite, to give the vault its impermeable lining, Aggregate Industries played a pivot role in community relations providing information to the public and supporting local activities concerning the environment.

### 02 London Olympics, 2012

Aggregate Industries overcame significant logistical challenges to service the demands of the London 2012 Olympics, using sustainable solutions to provide ready-mixed concretes and aggregates.

Demonstrating an all-round capability and the ability to recommend both time and money saving solutions, as well as strong sustainability credentials, Aggregate Industries' range of construction products and services delivered value in many different aspects of the build. From rail infrastructure to hard landscaping, from ready-mixed concrete supply to terracing and waste removal.

### 03 Concreting aggregate to the Russia/N. Europe gas pipeline (Nord Stream)

Transporting 55 billion cubic metres of gas each year, Nord Stream helped to secure energy supply to Northern Europe. Aggregate Industries played a pivotal role in supplying the aggregate used to coat each of the gas pipelines in order to stabilise them on the seabed.

Delivered by sea from its Halsvik super quarry, and satisfying strict just in time delivery requirements, Aggregate Industries supplied over 660,000 tonnes of aggregates, all of a consistent high density to ensure maximum stability.

### 04 Sand for boilers - Edenderry Power Limited

One of the leading power stations for alternative sources of electricity generation in Ireland turned to Aggregate Industries when it needed a reliable continuous supply of specialist high quality silica sand for its fluidised bed boiler.

Aggregate Industries supplied 1,500 tonnes of material each year, including silica sand and anthracite filtration media for filtering the water from the cooling towers, Aggregate Industries helped Edenderry ensure ongoing plant performance.

### 05 Glen Liath hydro tunnel at Foyers, Inverness

When the connecting tunnels at the Foyers Hydro-electric power station on the shores of Loch Ness needed relining, Aggregate Industries faced some daunting challenges.

As well as contending with logistical and timing issues, limited access meant that any concrete would have to be poured over a great distance. Using special admixtures and cohesion aids, Aggregate Industries developed a special ready-mixed concrete that would still be workable at the delivery end whilst maintaining specification.

To view more case studies, please visit [www.aggregate.com](http://www.aggregate.com)



01



03



04



05

02



# Aggregate Industries

## The complete service

The Aggregate Industries group offers an extensive range of products and services to the construction industry.



### Aggregates

We supply crushed rock, sand and gravel, stone and fill materials for construction. These can be delivered by road, rail or marine transport. We also produce silica and specialist sands.

**Tel:** 01455 285200

**Email:** aggregates@aggregate.com



### Overseas

Aggregate Industries Overseas supplies high quality aggregates to Europe from bases in the UK, Poland, Germany, Norway and Latvia.

**Tel:** 01530 512025

**Email:** overseas.sales@aggregate.com



### Asphalt

We are a leading supplier of a full range of coated materials with over 40 locations in the UK, serving major conurbations, including sites for collect business.

**Tel:** 01455 288222

**Email:** asphalt@aggregate.com



### Commercial landscaping

Flag paving, block paving and kerb products are available in both concrete and natural stone. Surface water drainage products are also part of a wide ranging portfolio.

**Tel:** 01335 372222

**Email:** landscaping@aggregate.com



### Contracting

We strengthen our construction materials portfolio through our involvement in infrastructure, surfacing and civil contracting works.

**Tel:** 01530 510066

**Email:** contracting@aggregate.com



### Building products

We produce decorative masonry building blocks, reconstructed stone walling, architectural cast stone dressings and roofing slates.

**Tel:** 01285 646884

**Email:** building.products@aggregate.com



### Concrete

We offer a complete range of ready-mixed concretes and screeds, operating from over 70 sites. We also have an operation that caters for smaller collect loads

**Tel:** 01283 714187

**Email:** concrete@aggregate.com



### Cementitious materials

We import grey and white cement from Northern Europe and supply Fly Ash to ready-mixed, precast, mortar, screed and render companies.

**Tel:** 01530 512000

**Email:** cementitious@aggregate.com

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