CONCRETE SOLUTIONS

- Onsite concrete batching
- Wind farms and remote sites
- Housing block production
- Sea defense projects
- Mining and quarrying
- Builders merchant
- Precast concrete

Contents

OUR GOAL IS TO HELP YOUR BUSINESS MAKE MONEY PRODUCING HIGH QUALITY CONCRETE

Our mission is to help you make money by solving business problems, such as:

- Maximising profit in your business
- Selling more concrete
- Winning more tenders
- Concrete production in remote locations
- Saving money by optimising your concrete production

Some methods of solving these problems:

- Remote concrete batching plant
- Concrete production directly on site
- Concrete production using recycled materials
- Concrete production in inner-city building infrastructure

Go to www.fibointercon.com and select a plant for your project

Concrete Solutions

Concrete Solution

Onsite Concrete Batching

Batching concrete on-site has many advantages:

- Concrete on demand
- No waiting time
- No late concrete due to traffic or the plant being busy
- No part load charges
- Save 25% of a Ready-mix budget

Fibo Intercon batching plant is weight batched to +- 1% dosing accuracy using pre-weight cement.

With Fibo LINK our innovative software, you can produce certified concrete with delivery and conformity notes for each batch. Concrete can be produced on-site to BS 8500 - EN 206 easily with no hassle.

PHOTO KEY

1. Onsite Concrete Production
2. Continuous slip form concrete
3. Concrete frame construction
4. Housing site concrete

Concrete Solution

Wind Farm Foundation Construction

The location of wind farms is generally remote with no concrete batching plant in the area.

Fibo Intercon mobile batching plant is an ideal solution. Whether the quantity is 300 m3 or 600 m3 of concrete required per pour.

Fibo has a batching plant to deliver the concrete on demand.

The Fibo solution can be far more economical than traditional batching plants.

The concrete is high quality with weight batching, and with Fibo LINK every batch is stored in the cloud. The data can then be printed out as delivery and conformity documents for every batch.

PHOTO KEY

1. Wind Farm
2. Laying the blinding concrete
3. Foundation steel reinforcement
4. Concrete pour

Concrete Solution

NEW HOUSING PROJECTS

We sell a lot of Fibo batching plant for remote housing projects in Africa. The plants are used to manufacture concrete blocks and to make concrete for foundations.

House block manufacturing makes between 15,000 to 25,000 blocks per day.

Blocks can be made using a mix of recycled materials supporting the circular economy. We can design and build the whole solution.

Concrete Solution

SEA DEFENCE PROJECTS

With the climate changing and the seas rising, there is a requirement for robust sea defence projects.

Our engineers can design and build Tetrapod production close to the sea defence project to maximize economies.

We can supply 1.5, 3, 7.5, 10, 15, 20, 25-ton Tetrapod molds anywhere in the world, together with a fully operational batching plant.

PHOTO KEY

1. Tetrapod sea defence groin
2. Tetrapod being fabricated
3. Tetrapod casting production
4. Completed blocks

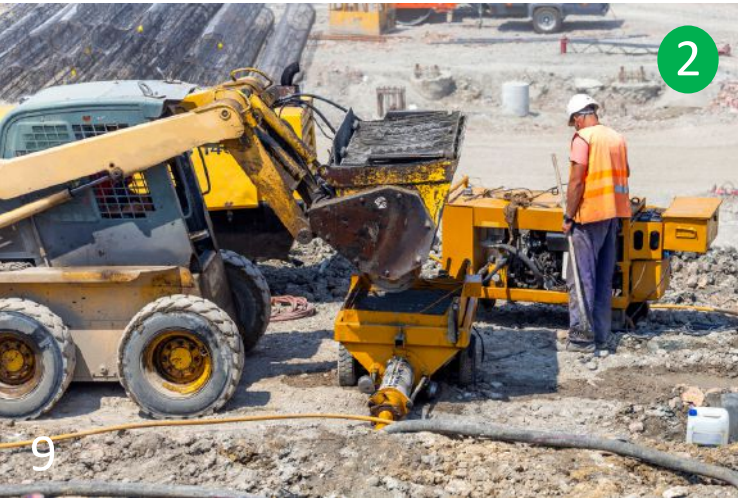
Concrete Solution

Mining and Quarrying

Fibo batching plant is used within the quarry and mining sectors to produce concrete and shotcrete.

PHOTO KEY

1. Concrete Batching Plant
2. Loading the shotcrete pump
3. Tunneling project
4. Rock stabilisation project



Concrete Solution

Builders Merchant

Corporate ready-mix companies dominate the market.

Builders merchants have a large customer base selling a large range of construction products to contractors and the domestic construction market.

Builders merchants buy sand, aggregate and cement in large quantities using their buying power and are missing an opportunity.

The difference in the margin to make concrete and to buy corporate ready-mix is about 25%.

This difference in margin allows builders merchants to take market share from the corporate ready-mix companies and make an additional margin.

Builders merchants have yards with space to locate a mini concrete batching plant and the investment is small.

To sell 250 m3 of concrete a month will generate £6,250 profit after all production costs. Finance is approximately £1,500 giving a profit after finance of £4,750 a month = £57,000 per year.

Scale up to 1,000 m3 per month, the profit after production costs is £25,000 and £23,500 after finance and £282,000 per year.
The more you sell the greater the margin.

PHOTO KEY

1. Builder Merchant
2. Concrete to collect
3. B1200 Holland

Concrete Solution

CONCRETE INTERLOCKING BLOCKS

There are many ways that concrete interlocking blocks can be used in large numbers.

PHOTO KEY

1. Moulds being prepared for concrete pour
2. Blocks being used to build structures
3. Reinforced concrete block retaining walls
4. Concrete block material bays
5. Sea defense blocks
6. River erosion blocks

CUSTOMER CASE STUDIES

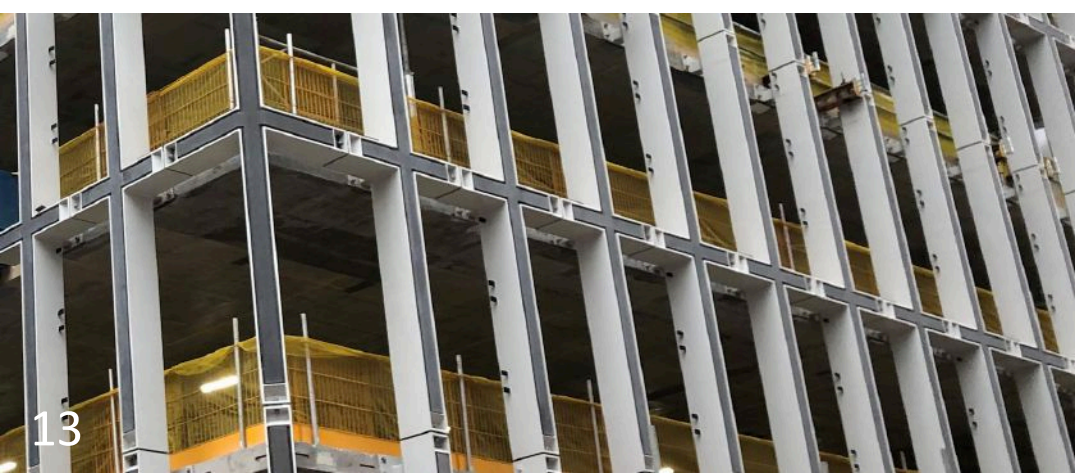
Case Study

Vierendeel Beams and Columns for 22 Hanover Bond, London

Our customer Barret's of Asbury won the project to fabricate the feature Vierendeel frame to the facade of 22 Hanover Bond for their client Clivedale.

Clivedale is an independent super-prime developer based in Mayfair, London with an expanding portfolio of luxury real estate including residential, commercial and hotel projects in some of the Capital's most prestigious addresses.

The Vierendeel columns are manufactured from steel plate and reinforced with rebar, then filled with pigmented concrete to offer a unique architectural look.



The steel columns and beams where being finished with black pigmented concrete that had to be consistent in colour for all the columns and beams; otherwise, they would be rejected by the client costing thousands of pounds.

The project managers of Barret's looked at a number of concrete batching plant companies and options. The final decision was to purchase a **Mini Viking** from Fibo.

The decision was made in favour of Fibo Intercon because we listened and adjusted the batching plant adding fine-tuning controls so that each batch of concrete would be consistent in batching and colour.

The fine-tuning involved adding a frequency controller to the cement auger motor. The speed of the cement auger is reduced by frequency converter and is controlled by the batching plant software during dosing.

You can see the results in the image on the left..

Case Study

Sabetta Airport

Sabetta Airport on Yamal Peninsula was built to fly construction and plant operators into the nearby gas fields.

Passenger numbers are about 150,000 per year. It is forecast to grow with the further development of the Arctic Region. The airport will also be able to receive cargo planes.

The soil-bearing capacity at the airport is very poor for construction. The solution was to mix the existing soil with cement and chemicals and replace it using a compactor.

Two F2200 fibo batching plants were used to build the airport and runways.

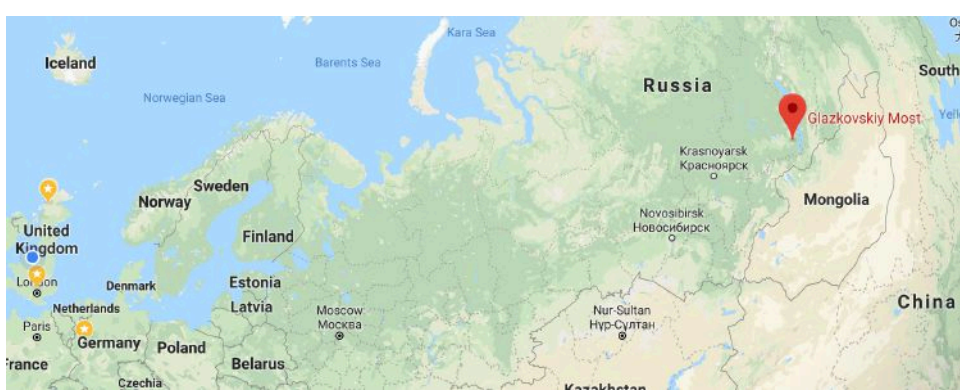
Case Study

Angara Bridge Construction

A new bridge was needed over the Angara river for the Boguchany Yurubchen Baikit freeway.

The bridge was a large civil engineering project, especially for such remote location from the main freeways.

A Fibo F2200 concrete batching plant was used to produce all the concrete.



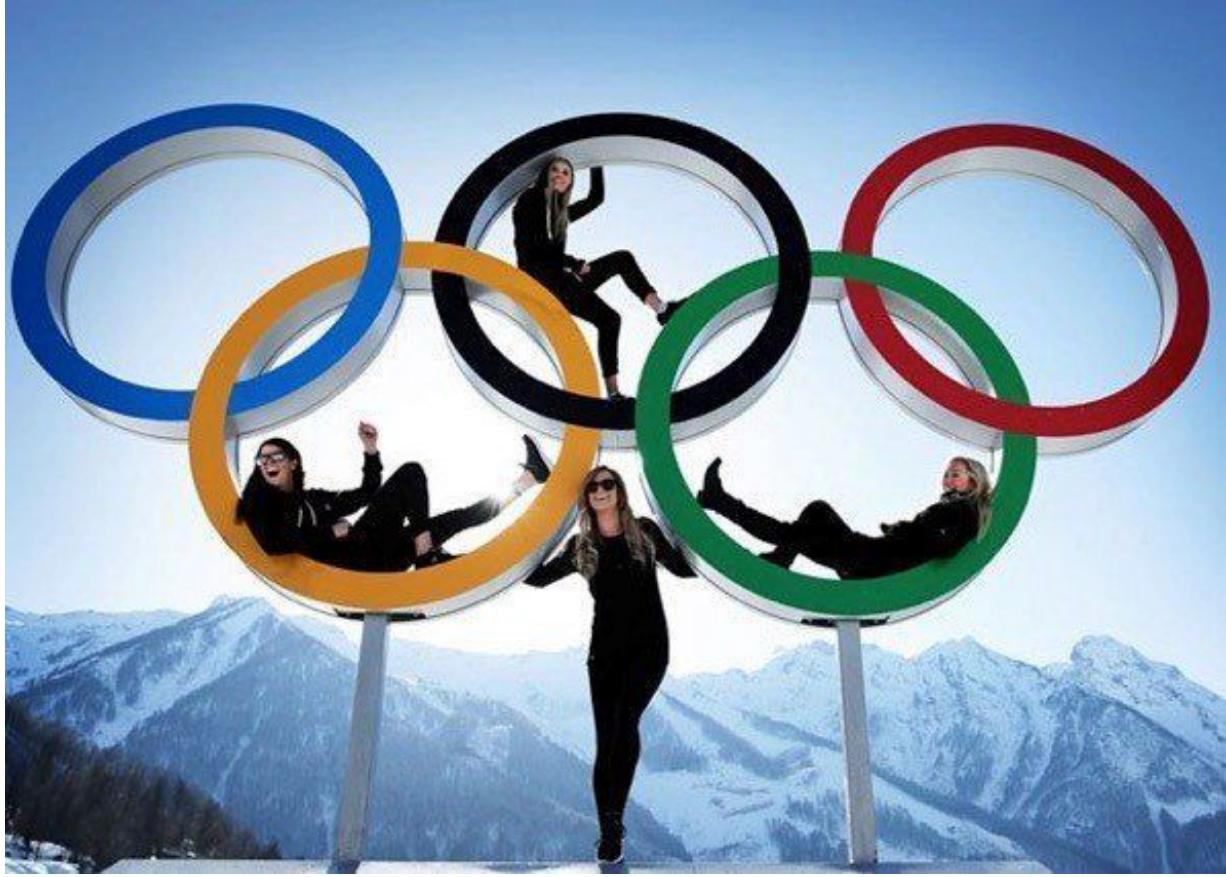
Case Study

Russian Winter Olympics

Remote Site Batching Plant – In the years 2011-2013, in the Adler Area of Sochi Region in Russia, an Olympic park of 200 hectares was built for the 2014 Winter Olympics.

Over 100,000 m^3 of concrete was required to build the Olympic park and sports venues.

The transport infrastructure prepared to support the Olympics included twelve tunnels, forty-six bridges, thirty-one miles of road, 223 miles of railroads and stations in and around Sochi, forty-two hotels, four sports venues and two training areas.



The complexity of the construction was determined by Sochi's location in the mountains where it was virtually impossible to deliver concrete, due to the high rise. A remote site batching plant was required.

The high rise made it impossible to place a modular or stationary concrete plant on the remote mountain areas, due to the compact location, the inaccessibility of preparing the foundation and the difficulties in transporting oversize parts.

FIBO BATCHING PLANT

B1200
B1800
B2200

The B Range of batching plant is a mobile type.

Productivity: 10 to 45 m3 / hour.
Dosing accuracy +-1-3% and +-1% with pre-weight cement

This concrete plant is mounted on a metal frame with an axle and wheels.

It has a concrete mixer, two separate built-in inert hoppers, two independent conveyors, a water tank, weight sensors, equipment for dosing and a computer to control the operation.

It is supplied with a high-pressure washer, and the hoppers can be raised to increase capacity.

The plant can be transported on a flat deck wagon trailer, or towed on public roads up to 30 km/h.

B1200 B1800 B2200

TECHNICAL SPECIFICATIONS

		B1200	B1800	B2200
Productivity	M^3/hour	10/16	20/30	25/45
Volume (gross)	L	1200	1800	2200
Volume mixed material	L	800	1100	1400
Motor	kW	15	30	55
Mixing arms/side scrapers	pcs	5/1	5/1	5/1
Aggregate hoppers	pcs	2 x 2.4m^3	2 x 2.4m^3	2 x 2.4m^3
Water tank	L	250	500	500
Dimensions W x H x L	M	2.37, 2.57, 5.7	2.5, 2.57, 6.3	2.5, 2.57, 6.5
Weight	kg	3900	6500	8000
Supply voltage	V/A	400/32	400/80	400/125

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M1800 M2200

The M1800 and M2200 are mobile batching plants designed for the production of ready-mixed and high-quality concrete.

The productivity of the plant, depending on the model and setup, ranges from 25 to 45 m^3 per hour.

When producing dry mix, productivity can be up to 80 m^3 per hour.

Dosing accuracy +-1-3% and +-1% with pre-weight cement

This batching plant is mounted on a wagon frame with three axles and six wheels.

It has a concrete mixer, four separate built-in hoppers, four independent conveyors, water tank, dosing weight sensors and a computer to control the operation of the plant.

It is supplied with a high-pressure washer and the hoppers can be raised to increase capacity.

The plant can be towed on the road at 30 km/hr.

M1800 M2200

TECHNICAL SPECIFICATIONS

		M1800	M2200
Productivity	M^3/hour	20/30	30/45
Volume (gross)	L	1800	2200
Volume mixed material	L	1100	1400
Motor	kW	30	55
Mixing arms/side scrapers	pcs	5/1	7/1
Aggregate hoppers	pcs	4 x 2.4 m^3	4 x 2.4 m^3
Water tank	L	500	500
Dimensions W x H x L	M	2.5, 2.65, 9.0	2.55,2.65, 9.1
Weight	kg	10500	11000
Supply voltage	V/A	400/80	450/125

Go to www.fibointercon.com and select a plant for your project

F1800
F2200

The F1800 and F2200 are semi-mobile batching plants and are designed for the production of ready-mixed and high-quality concrete.

The productivity of the plant is dependent on the model and setup and ranges from 25 to 45 m^3 per hour. The production of the dry mix can be up to 80 m^3 per hour.

Dosing accuracy +-1-3% and +-1% with pre-weight cement

This batching plant is mounted on a metal frame with legs.

It has a concrete mixer, four separate built-in hoppers, four independent conveyors, water tank, dosing weight sensors and a computer to control the operation of the plant.

It is supplied with a high-pressure washer and the hoppers can be raised to increase capacity.

The plant can be transported on a flatbed wagon or a lorry.

F1800 F2200

TECHNICAL SPECIFICATIONS

		F1800	F2200
Productivity	M^3/hour	20/30	30/45
Volume (gross)	L	1800	2200
Volume mixed material	L	1000	1400
Motor	kW	30	55
Mixing arms/side scrapers	pcs	5/1	9/1
Aggregate hoppers	pcs	4 x 2.4 m^3	4 x 2.4 m^3
Water tank	L	500	500
Dimensions W x H x L	M	2.5, 2.65, 9.0	2.55,2.65, 9.1
Weight	kg	9800	10500
Supply voltage	V/A	400/80	400/125

Go to www.fibointercon.com and select a plant for your project

FIBO FINANCE

No Payments for Twelve months

+

Return on investment less than twelve months

=

A positive cashflow

FIBO FINANCE

KEY BENEFITS

Fibo Batching plant has a return on investment between 6 and 12 months.

No payment for 12 months allows the plant to generate the cash to pay for itself.

Finance your project - Buy moulds, cement silos, bucket loaders and concrete batching plant.

Everything you need to set up a new business for pre-cast, on-site and remote site concrete production.

Fibo Finance is a great way to grow and build your business.

Great for:

- Sweating the machine to earn money to pay for itself.
- No need to borrow or use your own capital.
- Having a positive cashflow and owning your new plant.
- Great to finance all your construction plant for a project.

“IT’S THE WORLD’S BEST KEPT SECRET AND GREAT FOR YOUR BUSINESS”

Denmark (Head Office)

Fibo Intercon A/S
Herningvej 4
6920 Videbæk
Denmark
CVR: 35841571
Tel: +45 97 17 16 66

International Sales

Contact: Bob Evans

Telephone: + 44 (0) 7896 246 224
WhatsApp: + 44 7896 246 224
Email: bob@fibointercon.com

International Dealer Network

Denmark
Norway
Sweden
Finland
Russia

Lithuania
Ukraine
Bulgaria
Poland
Switzerland

Germany
Holland
France
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