



Rapid Response

MOBILE BATCHING

- High Volume Concrete Production
- Fast set up less than 2 hours
- Beat the rest by being the best
- Pour 40 m³/hr one day and 240 m³/hr the next day

Contents

3	Introduction
4	Mobile Concrete Production
11	Principle of Operation
15	T Models
31	Optional Equipment
36	Fibo Finance
38	Concrete Solutions
45	Customer Stories
51	Contact Details

**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



MOBILE CONCRETE PRODUCTION

FLEXIBILITY

Traditional concrete production methods are expensive and inconvenient for remote construction sites.

When buying a mobile concrete plant, you not only have the opportunity to produce concrete on site, but also save costs by reducing transport.

The cost of acquiring your plant will be paid off within six to twelve months.

Having finished your project, you can use your batching plant on other projects, saving 25% of standard readymix concrete purchase prices.

At the end of the project, you can also sell the plant or rent it out.

**YOUR FIBO BATCHING PLANT
WILL MAKE YOU MONEY**



QUALITY

A Fibo Intercon Mobile concrete plant doses with a standard setup to an accuracy of $\pm 3\%$, and with pre-weight cement an accuracy of $\pm 1\%$.

All concrete production is monitored by our in-house software. The computer is set up using tolerances for every part of the dosing process.

An alarm goes off if any tolerance goes over the settings.

Computer monitoring means that you can produce high-quality concrete in accordance with BS 8500 EN 206.

The software system can hold up to 50 concrete recipes. Each recipe can be changed with the press of a button and even remotely, using your mobile, tablet or PC.

**YOUR CONCRETE WILL ALWAYS
MEET DESIGN SPECIFICATIONS**



MINIMUM WASTE

Concrete waste is one of today's fundamental problems.

Concrete waste on-site can be 10 - 15%.

With Fibo concrete production, you can produce the exact amount of concrete that is needed, thus minimizing waste.

**YOUR CONCRETE WILL ALWAYS
BE FRESH**



ECONOMY

Concrete production at the construction site is very economical because you only pay for what you use.

You can order materials for concrete production and store them on site.

In Europe, the difference in price between concrete produced at the construction site and that produced in a factory is €10-30 per cubic metre.

FOR EVERY PRODUCTION OF 100 CUBIC METRES OF CONCRETE, YOU SAVE OR EARN €1000 to €3000



PEACE OF MIND

Our concrete technicians can support you with your concrete mix design and concrete testing.

We can also help you with your concrete quality processes and systems to ensure you are delivering concrete to the customer's specifications.

**WE HAVE OUR OWN CONCRETE
TESTING LABORATORY**



Onsite Batching Makes Sense



Mobile and semi-mobile concrete plants are ideal where the delivery time of concrete is unacceptably long, the site is remote, or access is poor.

With a Fibo concrete plant, you can make high-quality concrete at the correct quantity when you want it, saving money and time.

No civil engineering required to build ramps or pits. The plant simply sits on flat ground.

Fibo mobile and semi-mobile concrete plants are plug and go, which allows rapid set up.

Fibo mobile and semi-mobile batching plants can be set up in hours, giving you flexibility with your production on many sites.

**MOVING FROM ONE
CONSTRUCTION SITE TO
ANOTHER MEANS YOU
CAN OPTIMIZE THE
VOLUME OF CONCRETE
PRODUCED**

Fibo Intercon also manufactures mobile cement silos that can be moved from one location to another, alongside the batching plant.

With Fibo LINK all batching data is stored in the cloud. You can print delivery and conformity documents for every batch.

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



PRINCIPLES OF OPERATION



The concrete plant is easily transported and quickly set up for production.

Concrete production is carried out in a factory or on the construction site. After connecting the cement silo, power and water supply, the plant is ready for production.

The computer software controls the batching and mixing process.

The plant includes a pan mixer and, depending on the model, 2 or 4 material bins. The material bins store sand and stone.

The plant also includes weight sensors, chemical pumps and a water jet for cleaning down after batching.

In addition, you can purchase extra chemical pumps for chemical additives, a water heating system, hopper vibrators, extended hopper plates and remote control.

TWO OR FOUR BIN OPTIONS



OPTIMISED PRODUCTION

STATE OF THE ART SOFTWARE

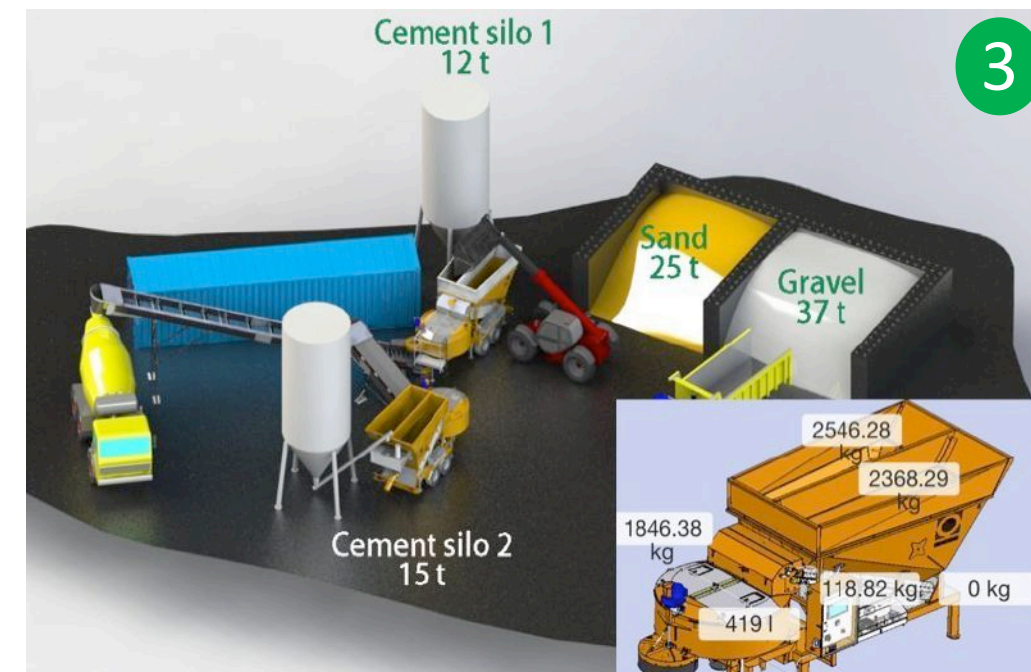
We have developed new software that allows you to optimise your concrete production, saving time and money by producing high quality concrete.

Our engineers can log in remotely to help you optimise production.

The software allows you to set quality tolerances and gives you warnings if any materials are batched out of tolerance.

We have a concrete to collect option to make selling concrete simple and effective.

- 1) 3 Year extended warranty available
- 2) Remote information control from your mobile
- 3) Stock and quality control made easy



RELIABLE COMPONENTS

PHOTO KEY

- 1) Good concrete quality is ensured by optimally positioned blades in the mixer
- 2) Precision dosing with three mixer weight sensors.
- 3) Water is dispensed into the mixer using a meter.

Your concrete batching plant can have up to three chemical pumps which are controlled by computer software.

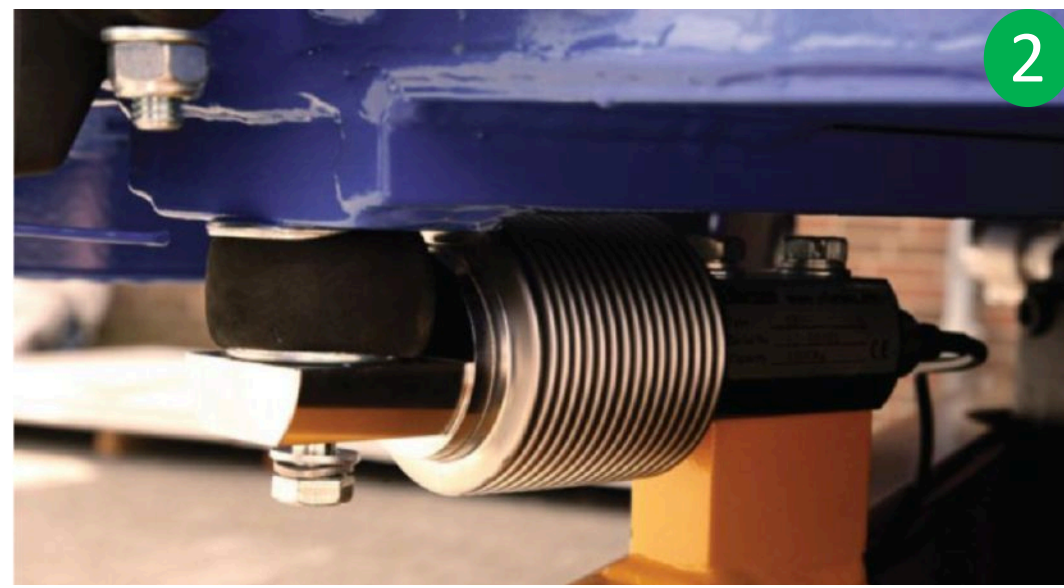
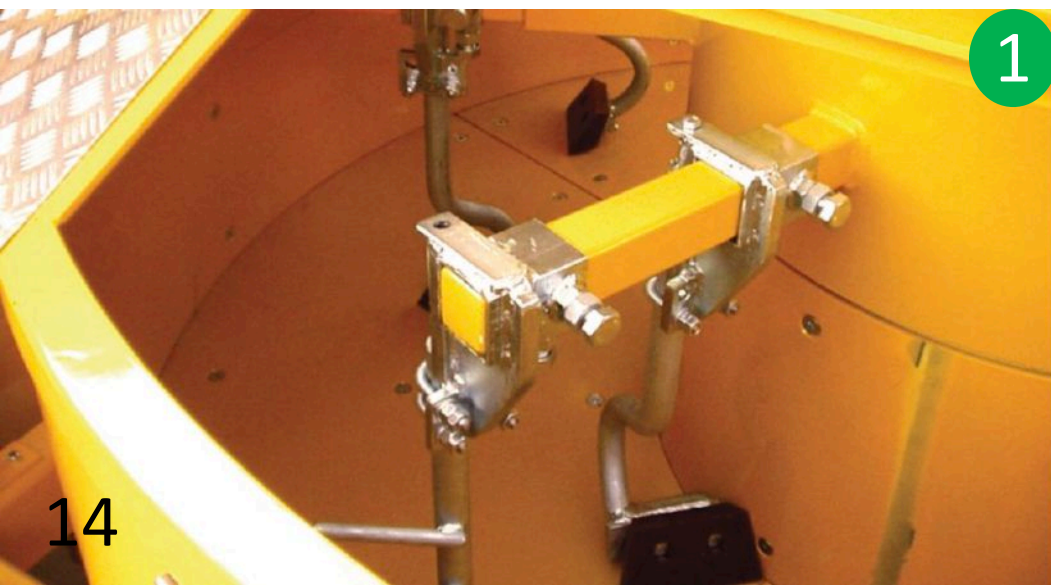
The chemicals are dispensed in accordance with the mix design.

All equipment is manufactured to a high standard, wear-resistant and durable. The mixer plates are made from Hardox 450.

Fibo concrete batching plants have a fifteen-year design life. We have plants that are over twenty years old and are still in full production.

The plant is robust and is a simple design delivering low repair and maintenance costs.

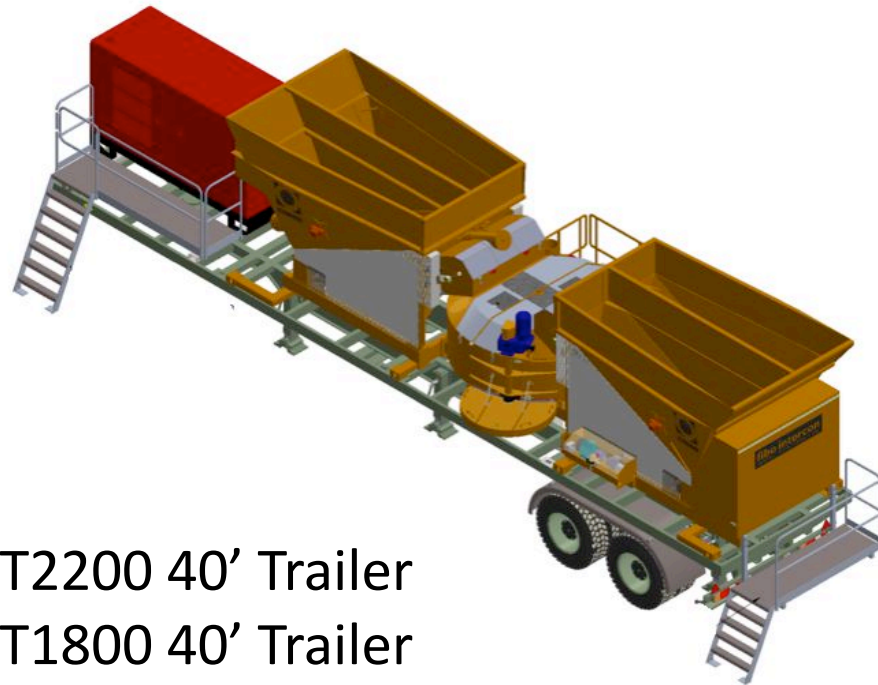
All its surfaces are easily washed with a high-pressure washer, and all parts are easily accessible for cleaning.





T MODELS

T Model General Arrangement



T2200 40' Trailer
T1800 40' Trailer

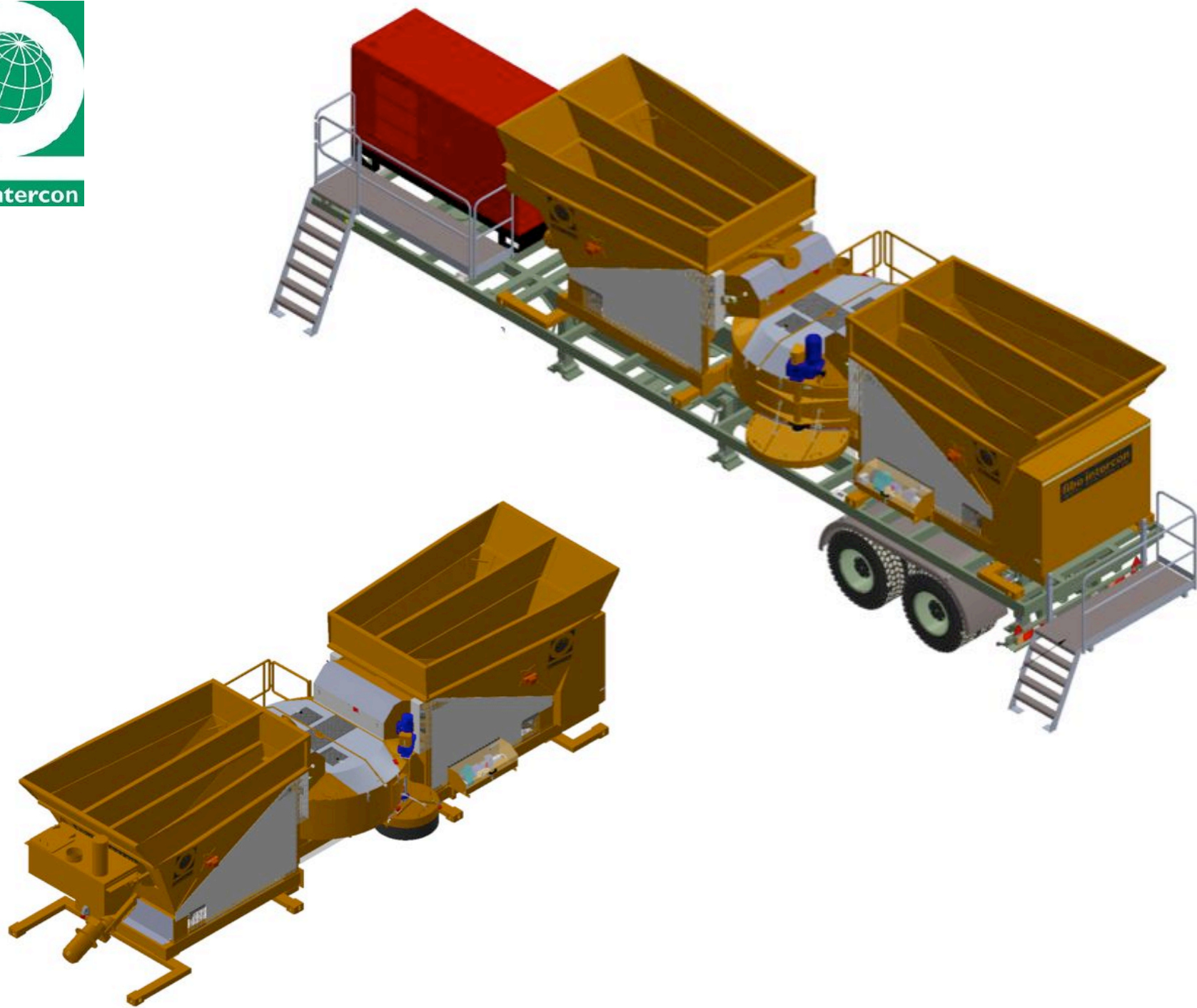


TS1800 40' Trailer



TS1800 20' Trailer

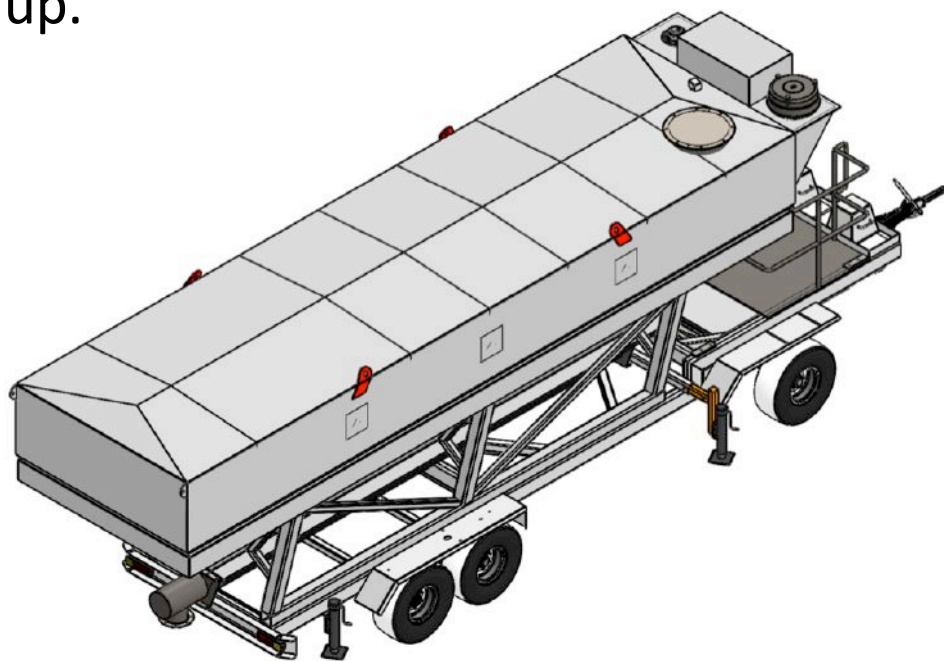
Type	Wet Capacity/Mix	Bins	Mobility	Space for
T2200	1.4 m3	4	40' Trailer	Generator
T1800	1.1 m3	4	40' Trailer	Generator
TS1800	1.1 m3	2	40' Trailer	Generator + Cement Silo/Cabin
TS1800	1.1 m3	2	20' Trailer	-



T2200 Trailer Model

The T2200 has been designed for batching in remote locations and areas where there are no large ready-mix plants.

The T2200 series have an option for a 30 m³ horizontal cement silo installed on a trailer for a speedy site set up.

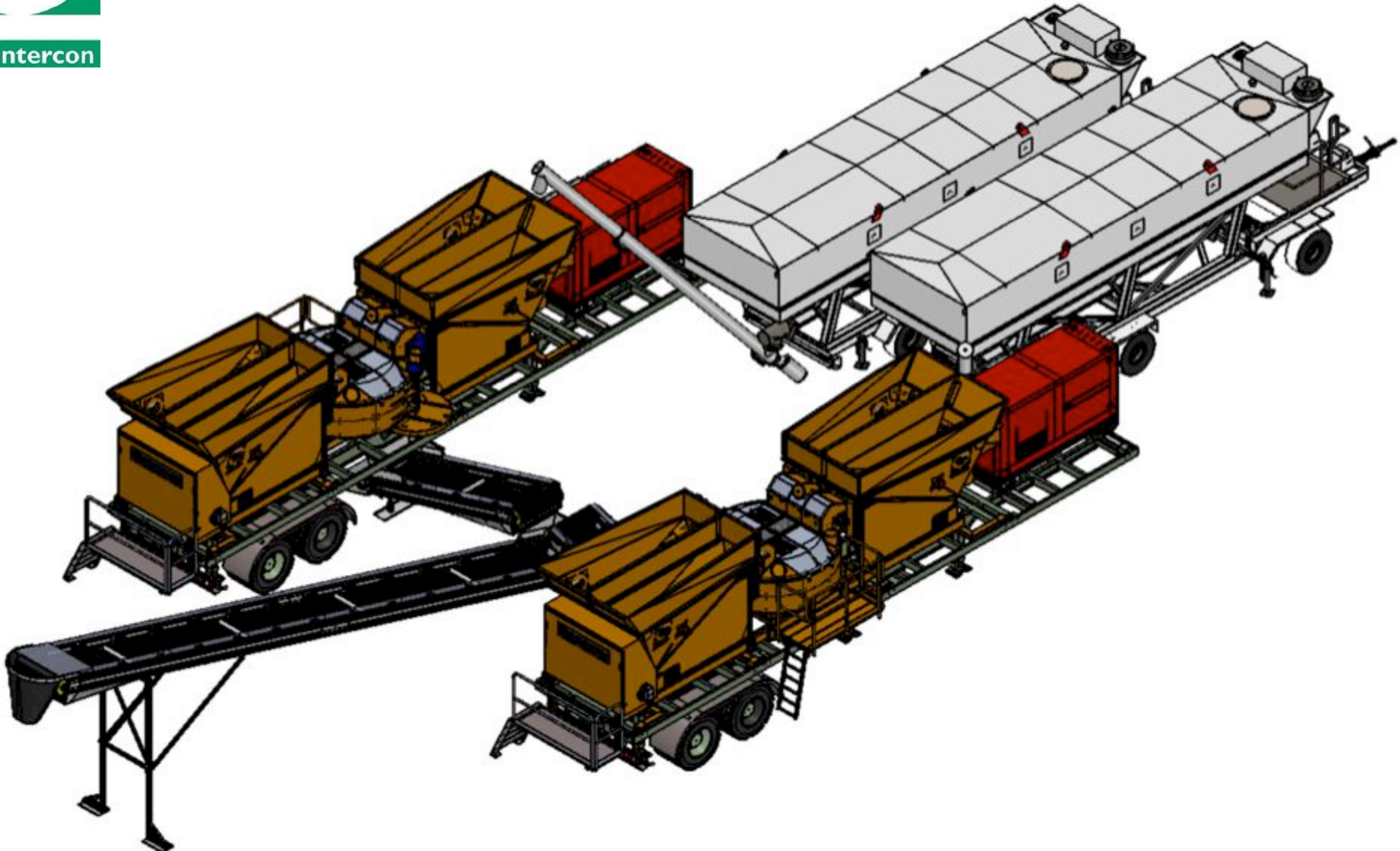


Plant Type	Wet Concrete M25/C20	Pre-Weight Cement	Wet Mix Output m3/hr	Dry Mix Output m3/hr
T2200	Premixed sand and aggregate dosed with all motors	yes	41.8	76.8
T2200	Premixed sand and aggregate dosed with all motors	no	34.0	54.0
T2200	1 sand and 1 aggregate dosed separately using one motor at a time	yes	37.1	62.2
T2200	1 sand and 1 aggregate dosed separately using one motor at a time	no	20.8	46.3



fibo intercon

2 X T2200 Trailer Model Output



An ideal solution for remote windfarm projects where the concrete can be batched on site directly into the concrete pump.



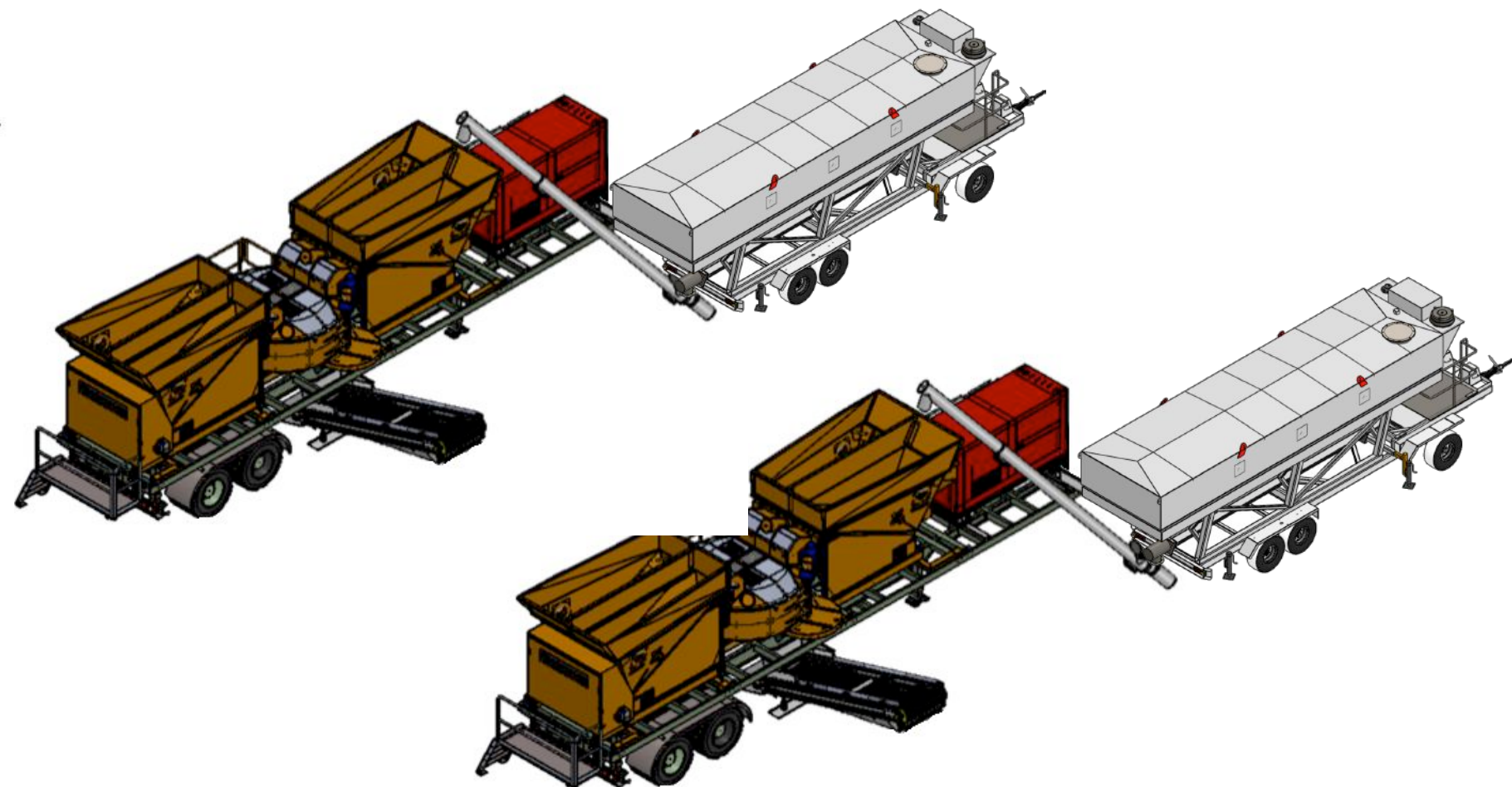
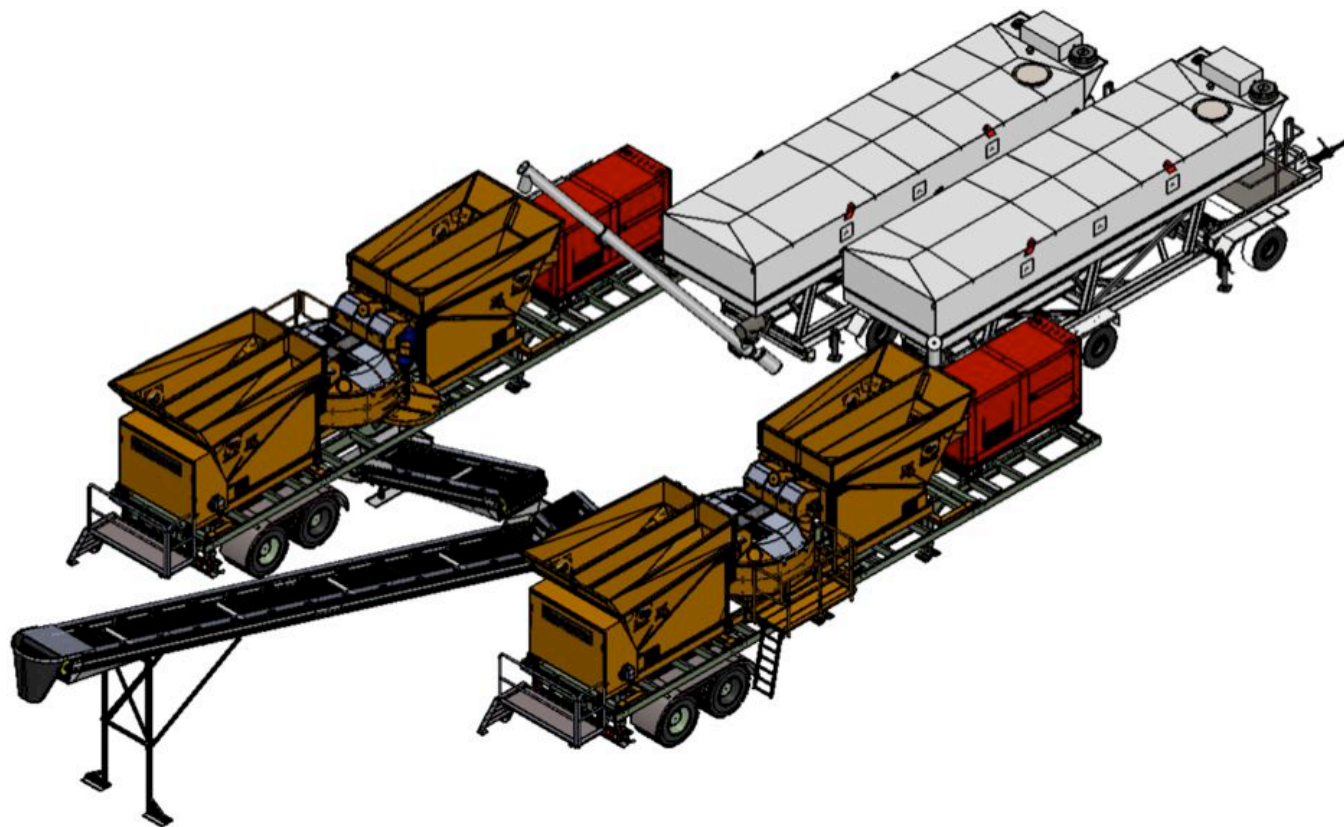
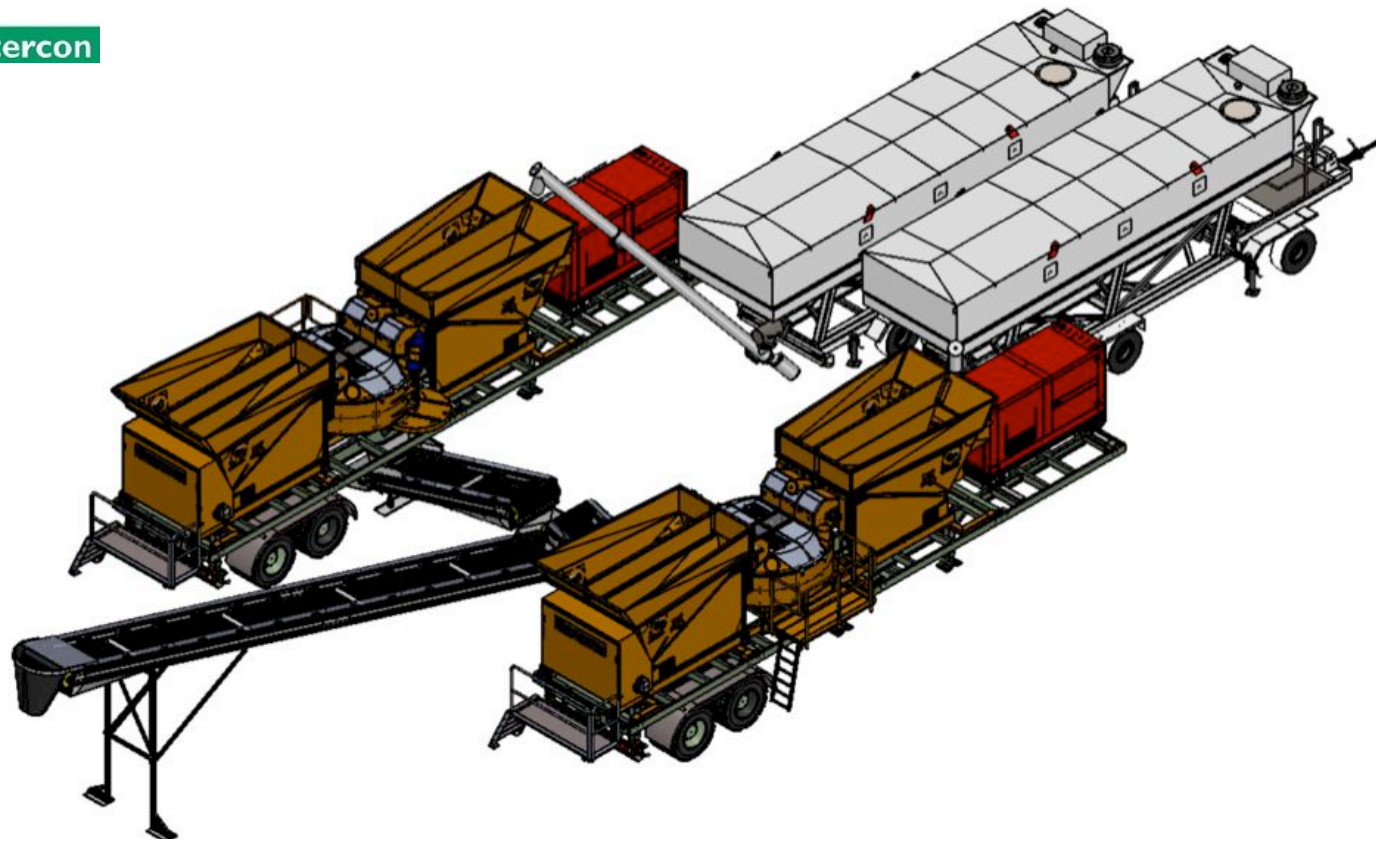
Plant Type	Wet Concrete M25/C20	Pre-Weight Cement	Wet Mix Output m3/hr	Dry Mix Output m3/hr
T2200	Premixed sand and aggregate dosed with all motors	yes	83.6	153.6
T2200	Premixed sand and aggregate dosed with all motors	no	68.0	108.0
T2200	1 sand and 1 aggregate dosed separately using one motor at a time	yes	74.2	124.4
T2200	1 sand and 1 aggregate dosed separately using one motor at a time	no	41.6	92.6

Fast Response Concrete on Demand Batching Fleet

Build a fleet of T2200 batching plant that can be delivered all around the country on motorway highways to deliver concrete on demand.

Typical Applications

- Highway construction
- Remote bridge construction
- Wind farm foundation concrete
- Large industrial floor slab pours
- Remote tunnel precast yards
- Remote sea defense precast yards

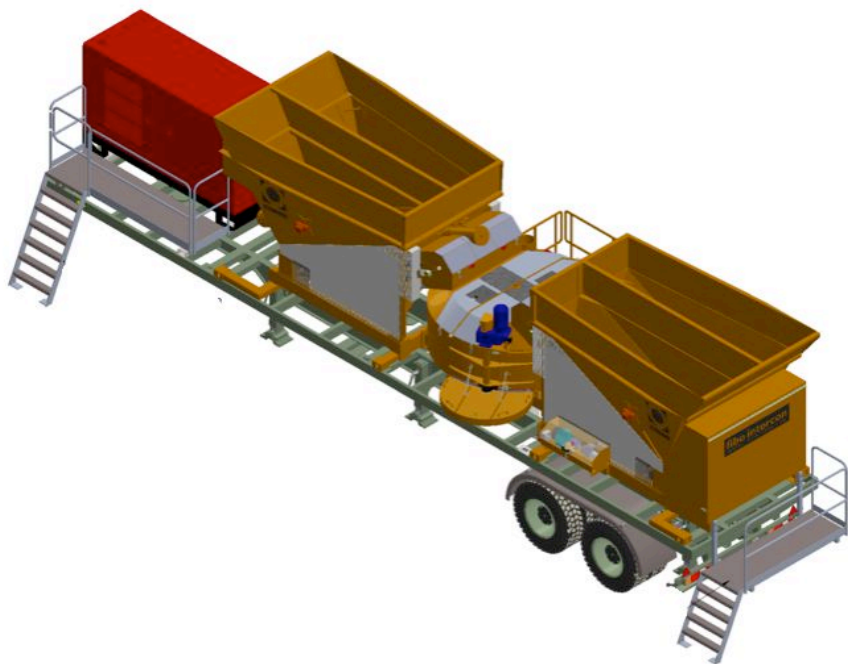


Single set up one day 40m³/hr – Six units the next day 240m³/hr



fibo intercon

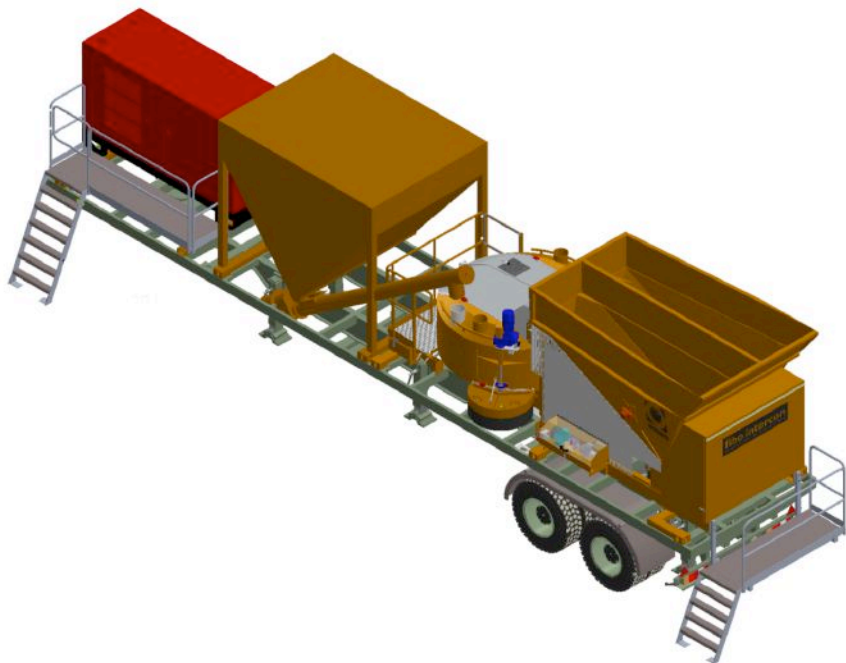
T1800/TS1800 Trailer Model Output



T1800 40' Trailer



TS1800 40' Trailer with Cabin



TS1800 40' Trailer with Cement Silo

Plant Type	Wet Concrete M25/C20	Pre-Weight Cement	Wet Mix Output m3/hr	Dry Mix Output m3/hr
T/TS1800	Premixed sand and aggregate dosed with all motors	yes	31.5	56.1
T/TS1800	Premixed sand and aggregate dosed with all motors	no	26.8	42.6
T/TS1800	1 sand and 1 aggregate dosed separately using one motor at a time	yes	24.5	29.4
T/TS1800	1 sand and 1 aggregate dosed separately using one motor at a time	no	21.3	23.3

TS1800 Trailer Model

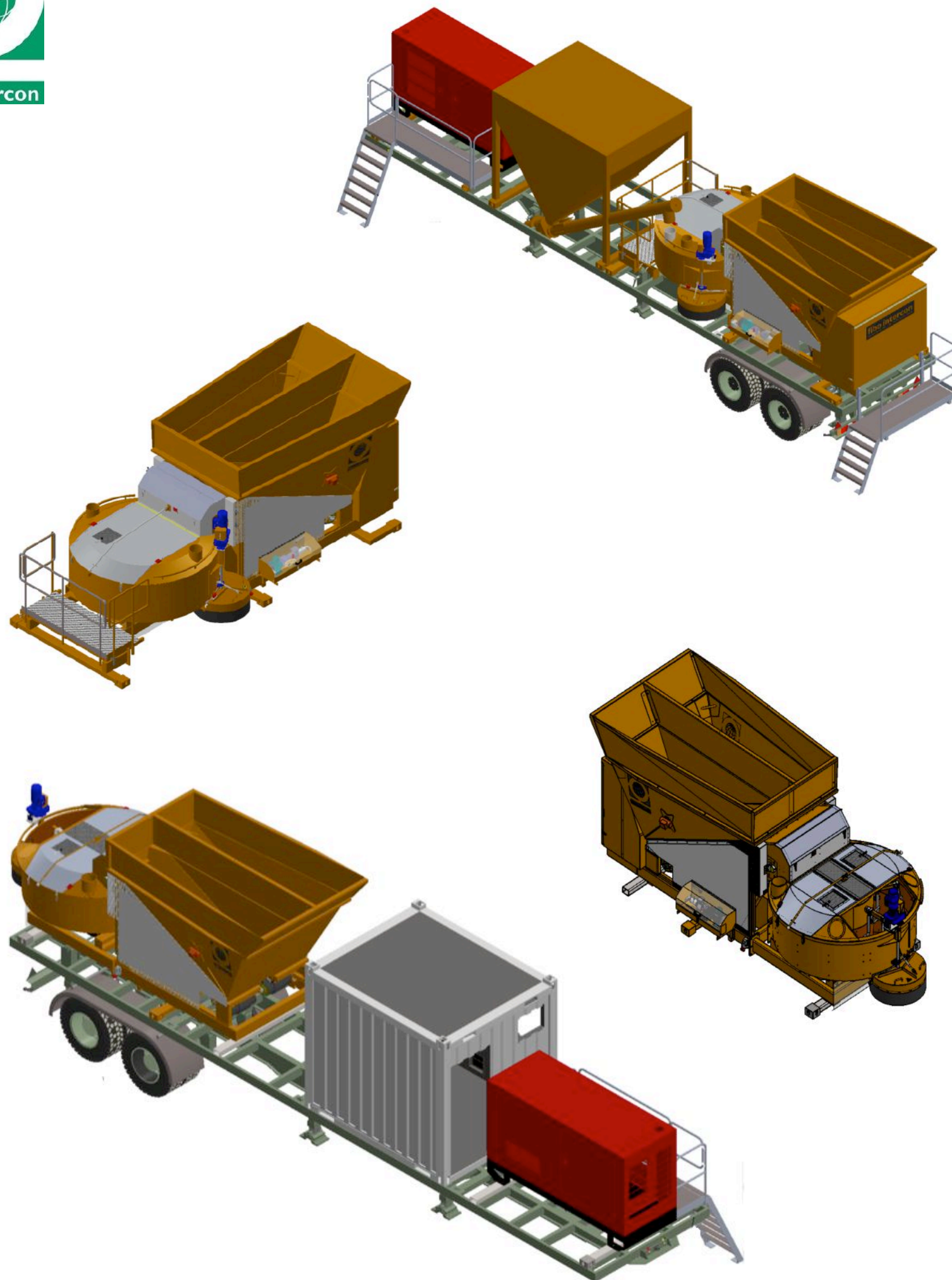
The TS1800 has been designed for on small construction sites where the quality of the concrete is critical. A cabin can be placed on the trailer or a small cement silo.

Two Discharge Locations

The FS1800 has two batch discharge positions

- Rear
- Side

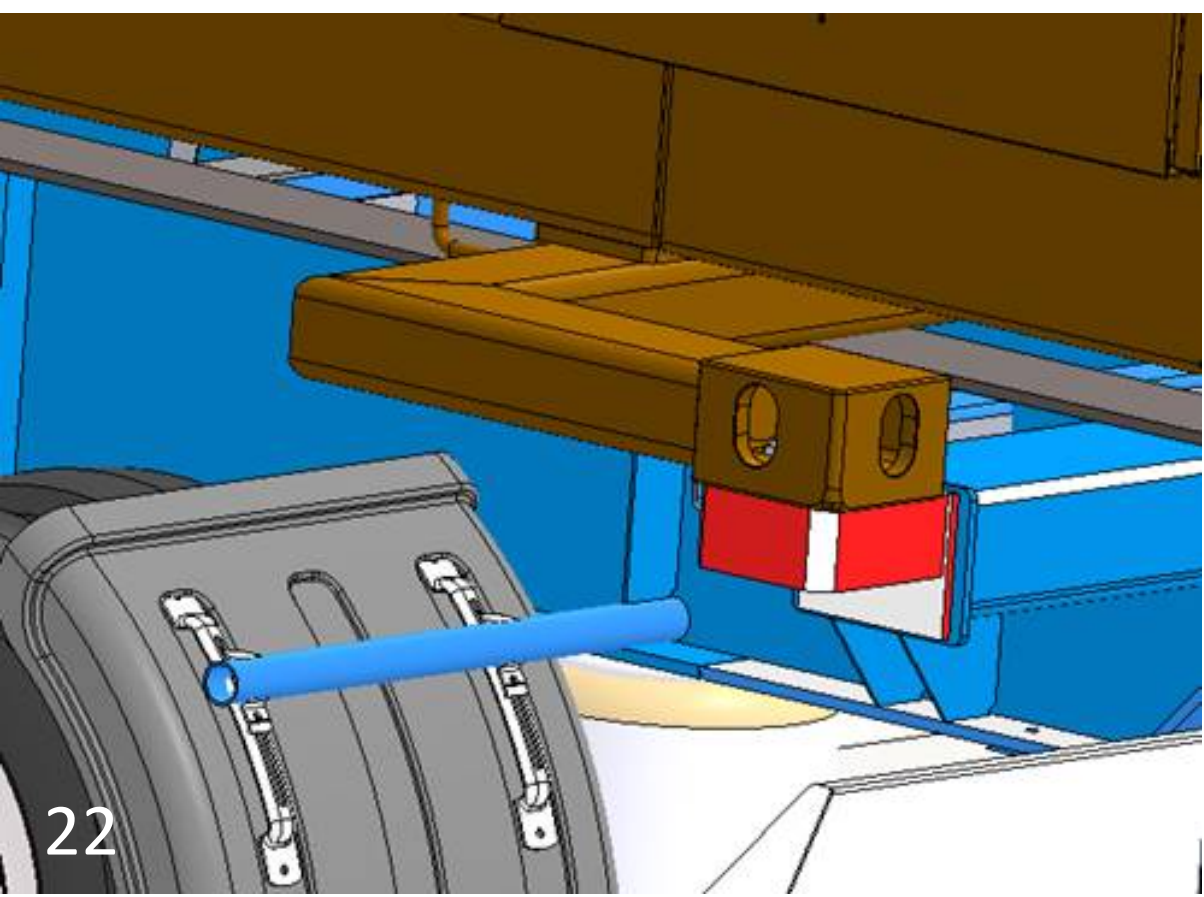
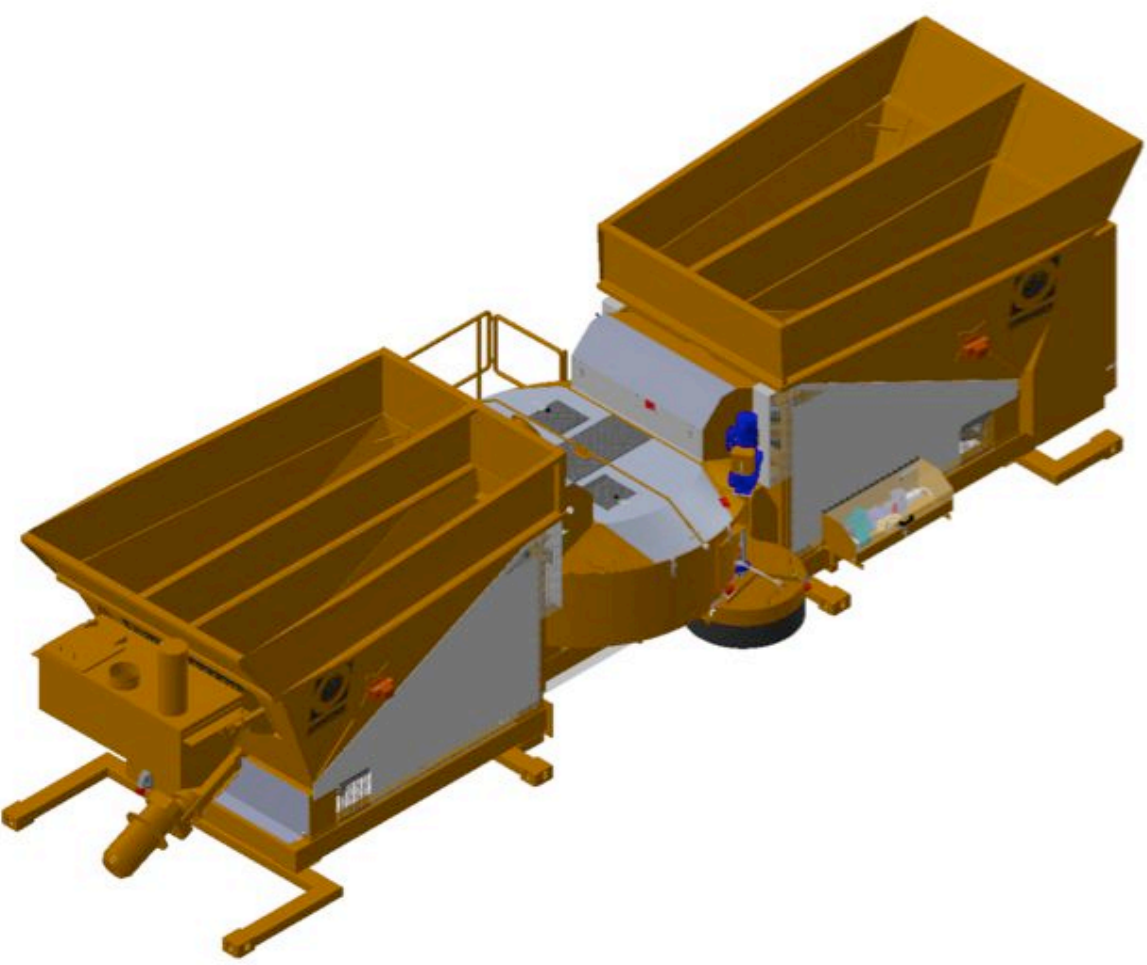
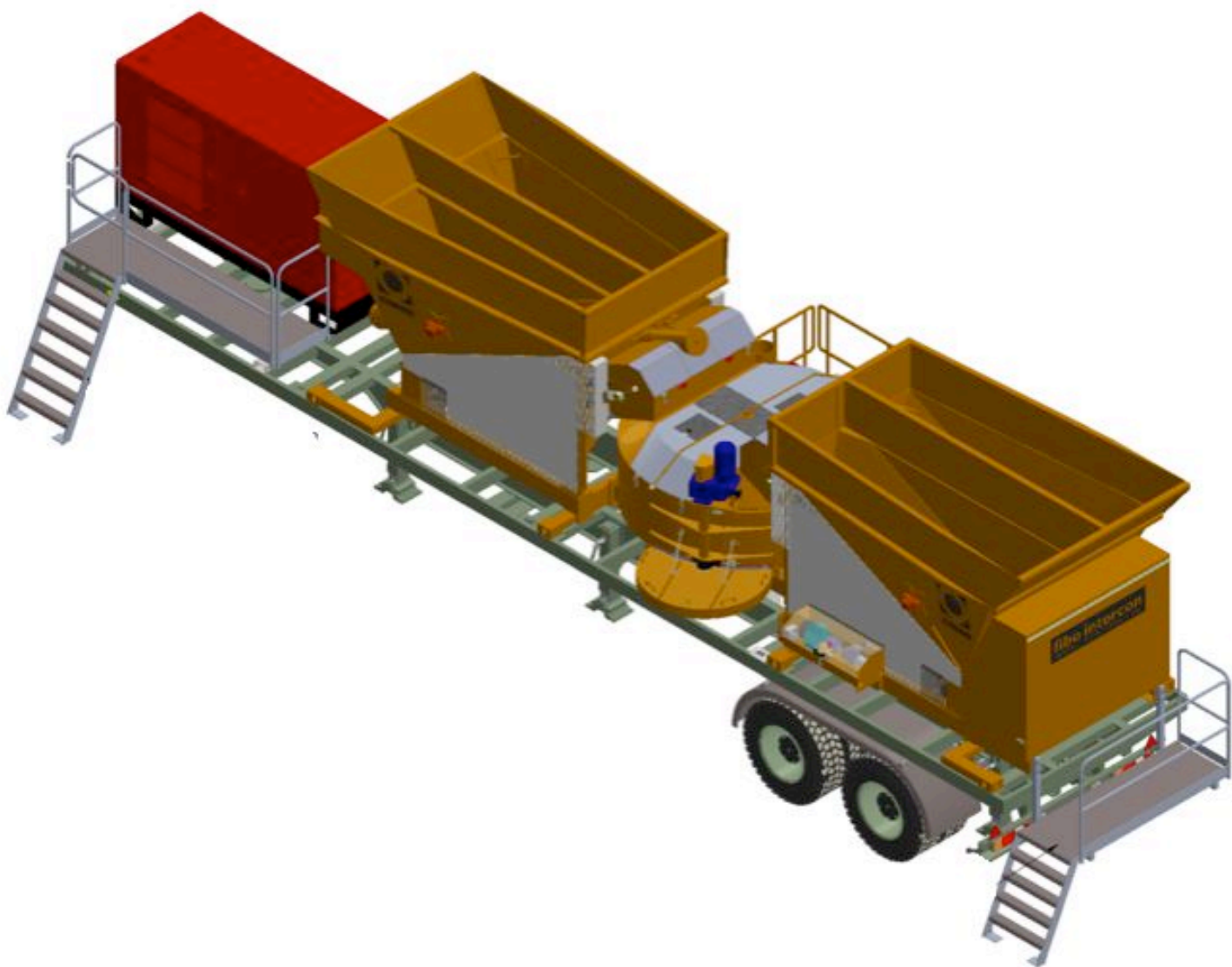
Just tell us which one suits your requirement when you order the plant





fibo intercon

T Model Shipping



The batching plant can be transported overseas in a container with the trailer unbolted.

The batching plant is then fixed to a 40' trailer using the container lock system

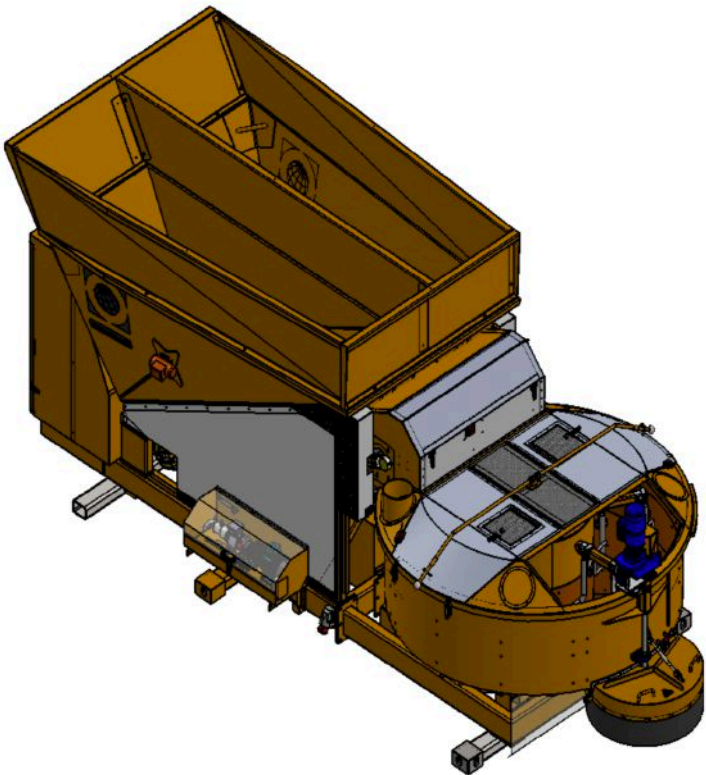
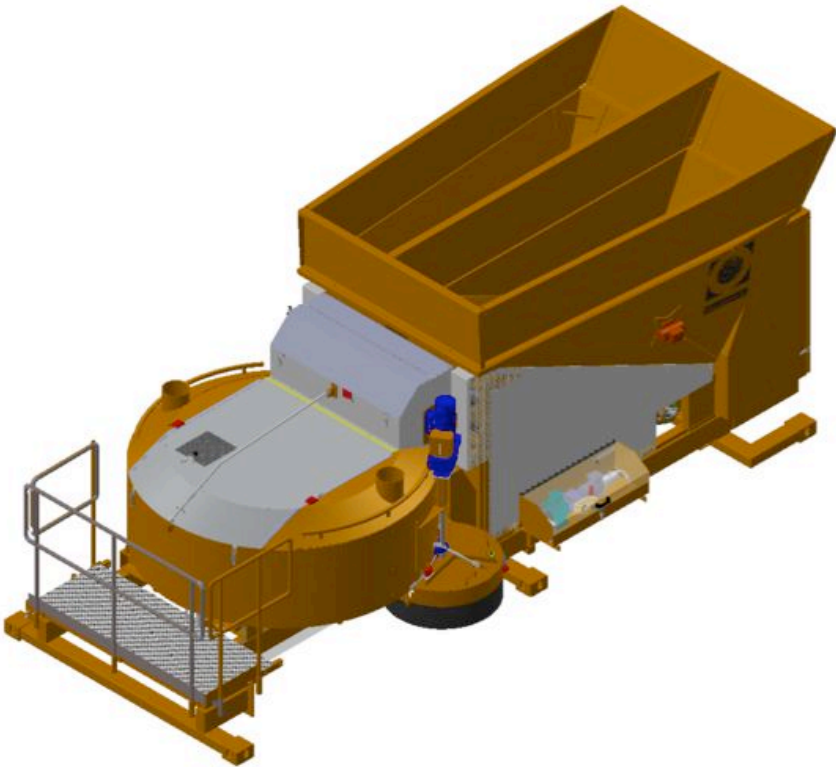
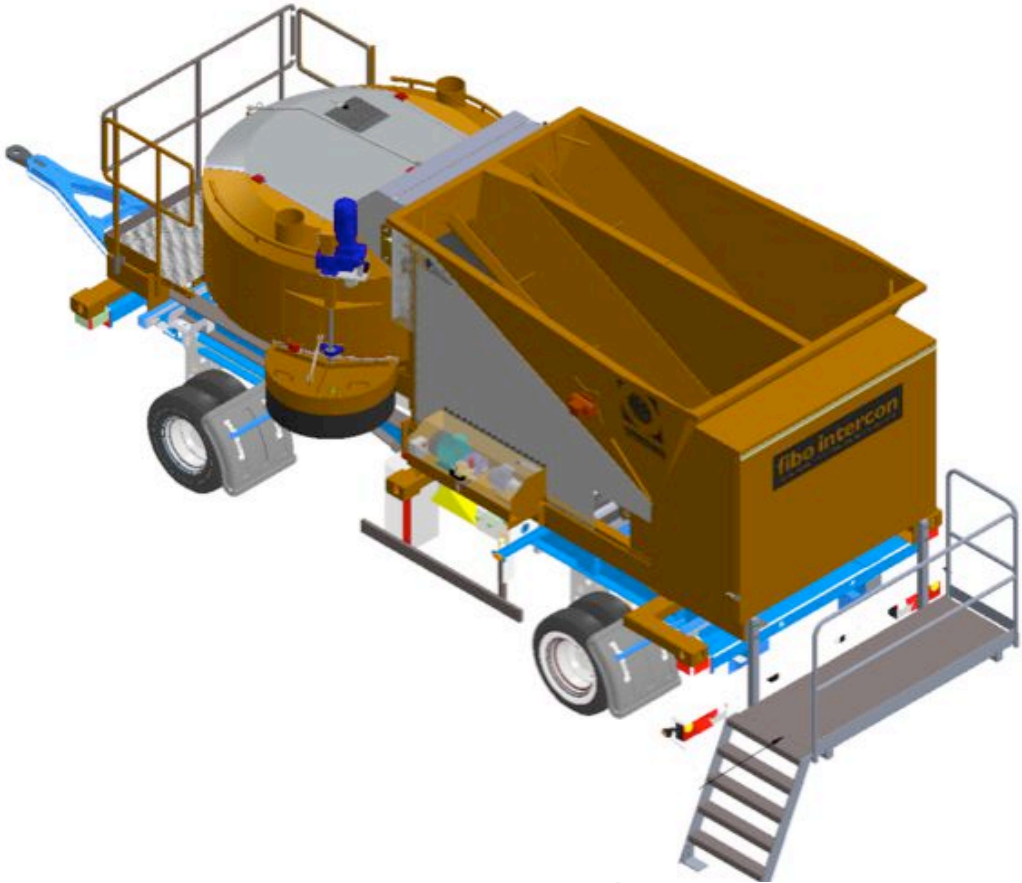




fibo intercon

TS1800 Trailer Model

The TS1800 can be moved from location to location very quickly and is ideal for fast moving contractors and civil engineering contractors.





Trailer Interfaces.

T-models fit on 40 feet trailer with connections to the 10, 20, and 30 foot container lock system + 10 feet for generator at front.

TS-models fit on 20 feet container lock system with this system it easy to put it on a standard trailer.

Weight:

T2200: 11,000kg without generator and trailer

T1800: 10,000kg without generator and trailer

TS1800: 6,500kg without generator and trailer

TS1800 with pre-weight: 7,000kg without generator and trailer

Generator weight: 2,000kg

3 things are important when you choose trailer:

Free space under the mixer outlet gate. (no wheels here)

Free space to put the mixer motor between the trailer frames.

Trailer that are certified to Load the weight of T-unit + generator



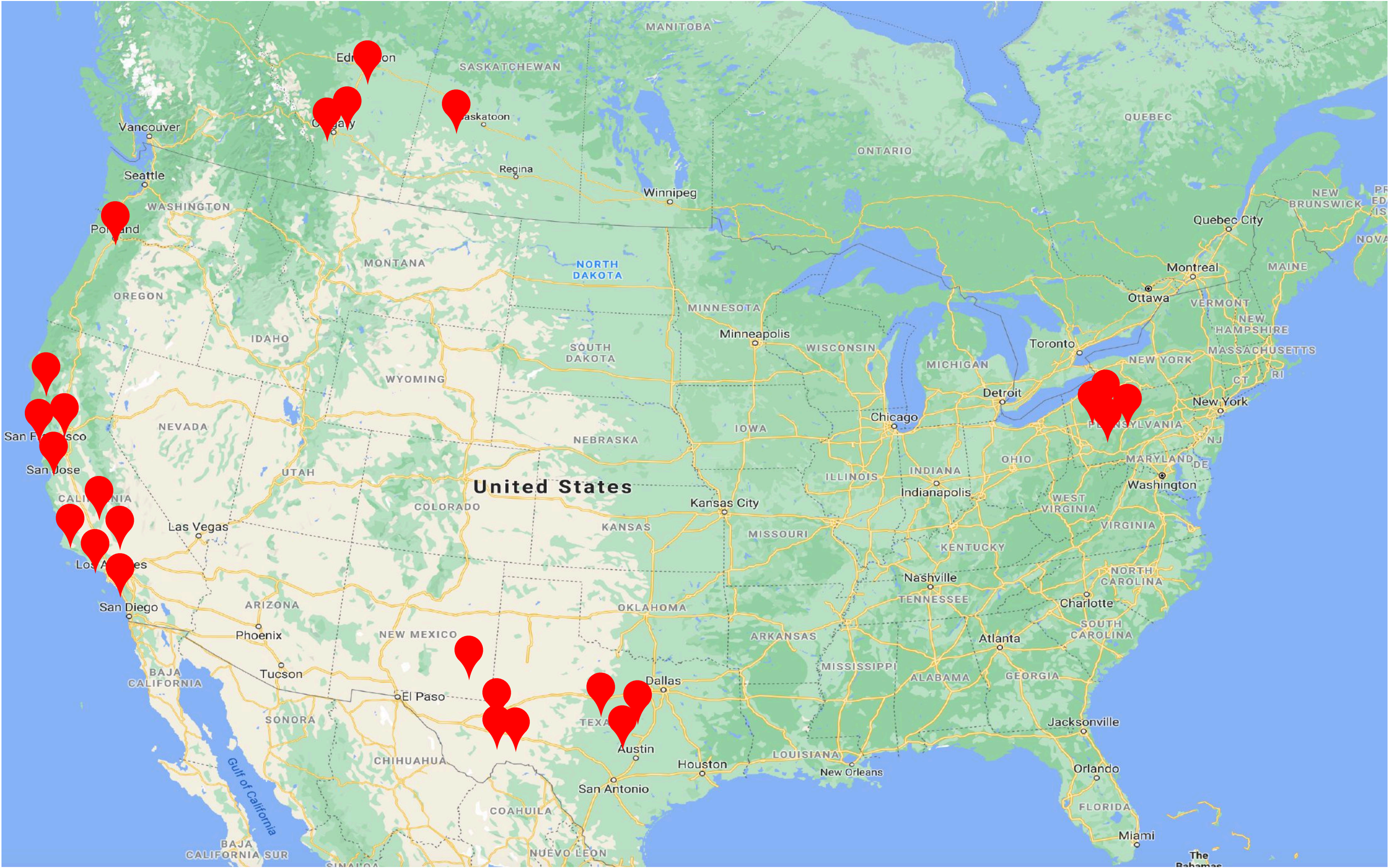
fibo intercon



Fibo LINK GPS tracking for plant location and rapid response planning



fibo intercon

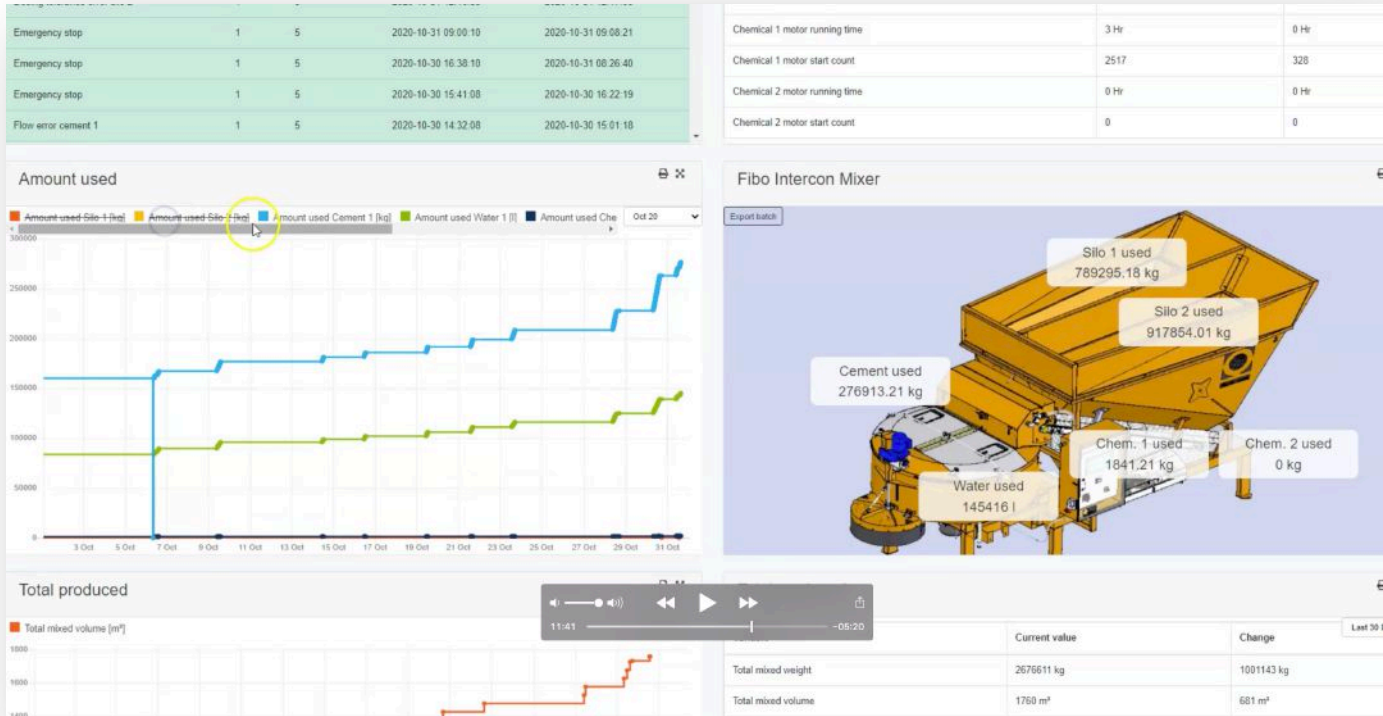
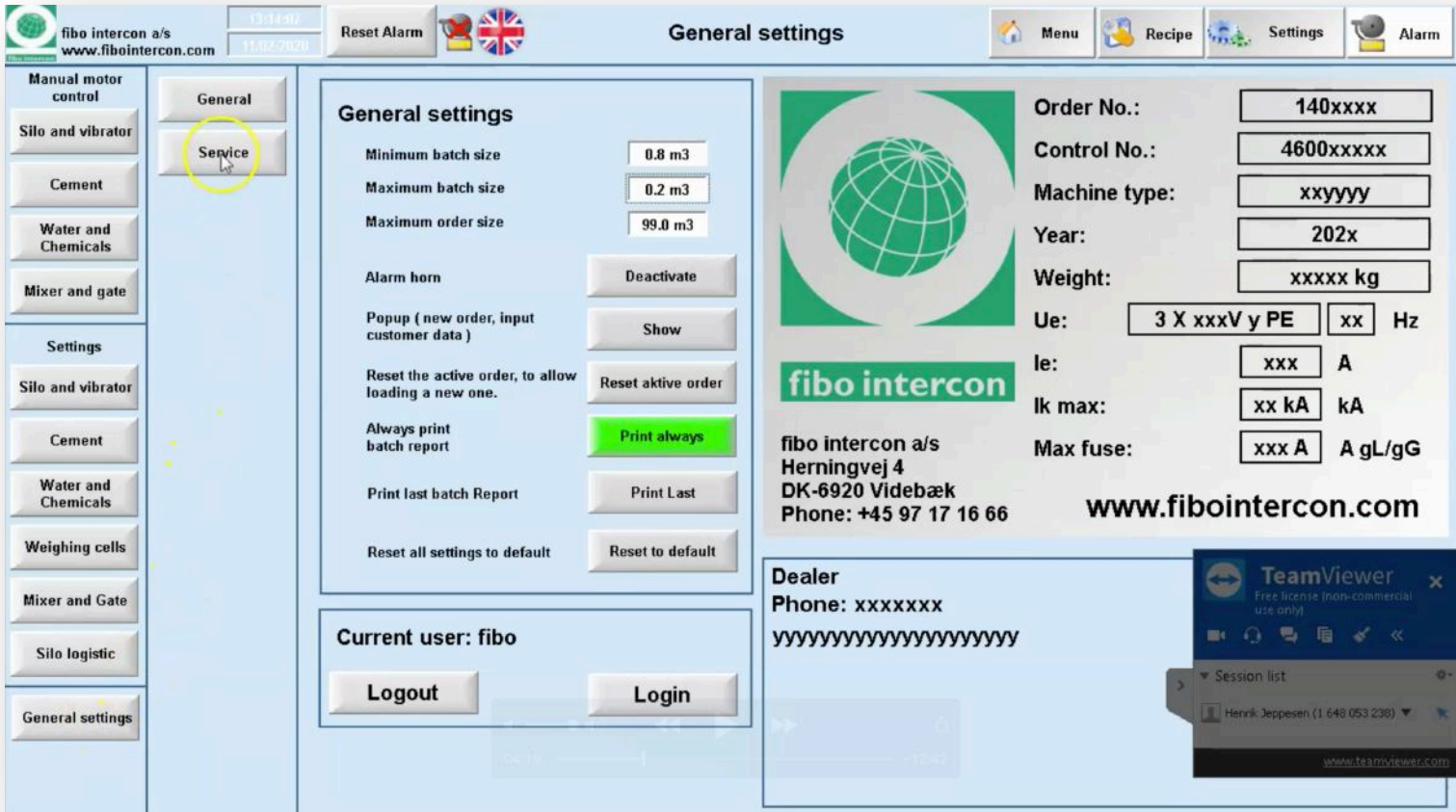


Fibo LINK GPS tracking for plant location and rapid response planning



fibo intercon

Fibo Batching Plant Software and Fibo LINK



Fibo LINK stores the data for every batch in the cloud.

You can access live plant activity per hour, day, week, month, year.

You can access material usage for stock control.

Fibo LINK will send you tolerance and maintenance alerts to your phone.

Designed so you stay in control



Site Batching



Remote wind farm foundations



Remote sea defense projects



Site batch housing projects



Remote bridge and highway projects

T2200

The T2200 mobile concrete plant is installed on a 13.6 metre 2-axle frame, semi-trailer.

Dosing accuracy $\pm 1-3\%$ and $\pm 1\%$ with pre-weight cement

The T2200 can have an integrated generator and a high-pressure standard washer.

There is an option for a pre-weight cement silo.

The concrete plant is mounted on a trailer.

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

The plant is transported on its own trailer.



T2200/T1800

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



OPTIONAL EQUIPMENT

ALUMINIUM CONCRETE CONVEYOR



The Fibo aluminium belt conveyor is supplied in widths of 0.8 m and 1 m – and lengths of 8 – 14 m.

Our aluminium belt conveyor is especially suited to carry gravel, sand, lightweight aggregate and concrete mixes.

The conveyor is built on two strong aluminium profiles and all other parts are galvanized.

A plough scraper is fitted onto the conveyor belts, which ensures that the internal sides of the belts are kept clean.

A band scraper, that scrapes material off the top side of the belts at the discharge point, is also fitted onto the belts.

All belt conveyors are delivered complete with drum motor with integrated gearbox, inlet and outlet funnel.

The belt conveyors are also delivered with lifting eyes for easy transportation.

CONVEYORS CAN BE SUPPLIED WITH WHEELS AND ARE FULLY ADJUSTABLE

Standard Sizes:

0.8 x 8 M
0.8 x 10 M
0.8 x 12 M
0.8 x 14 M

1.0 x 8 M
1.0 x 10 M
1.0 x 12 M
1.0 x 14 M

1.2 x 8 M
1.2 x 10 M
1.2 x 12 M
1.2 x 14 M

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

VERTICAL CEMENT SILO

Fibo cement silos are fully welded constructions and can be filled by big bags or a cement tanker.

Designed for filling with big bags of easy-flowing material with a density up to 1.6 T/M^3 e.g. Portland cement with a bulk density of 1.13 T/M^3 .

Capacity from 3 to 40 m^3



BIG BAG CEMENT SILO



3 ton vertical big bag cement silo with height-adjustable support legs.

Designed for easy-flowing materials such as Portland cement or lime with a bulk density of 1.13 tonnes/M³.

The big bag silo comes with a platform to conform with EU health and safety regulations as standard.

Delivered complete with cement auger, counterweight for cement auger, cone with outlet flange, top hatch, grid for cement inlet, control unit, vibrator, lifting devices and lifting device for transportation with a forklift truck.

The big bag silo is ideal for small concrete batching set ups. For mobile batching plant, when you want to move it from site to site for a fast set up and go, the big bag silo does the job.

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”



CONCRETE SOLUTIONS

Concrete Solutions

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 $\pm 1\%$ 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 Solutions

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 Solutions

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 Solutions



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 Solutions

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



Concrete Solutions

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





CUSTOMER CASE STUDIES

Case Study

Marine Concrete Sweden

Producing concrete can be a challenge when concrete is needed on a remote Island. Sjöliv Markentreprenader AB found a very good solution.

Sjöliv Markentreprenader AB carries out marine civil engineering and property projects in the Stockholm archipelago.

The company sells, builds, repairs and install bridges, stone chests, buoys, ports and marinas with everything that comes with it.

They also undertake groundwork, construction of individual wastewater, mini-treatment plants, sandy beaches, chain changes, sea transport and laying of sea cables and more.

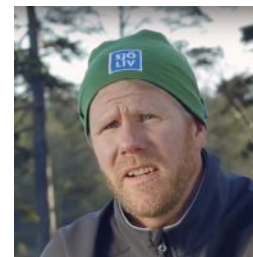


Jonas Jalakas and Rikard Beckman from Sjöliv Markentreprenader AB had the idea of putting a concrete batching plant on a barge to reduce cost and time.

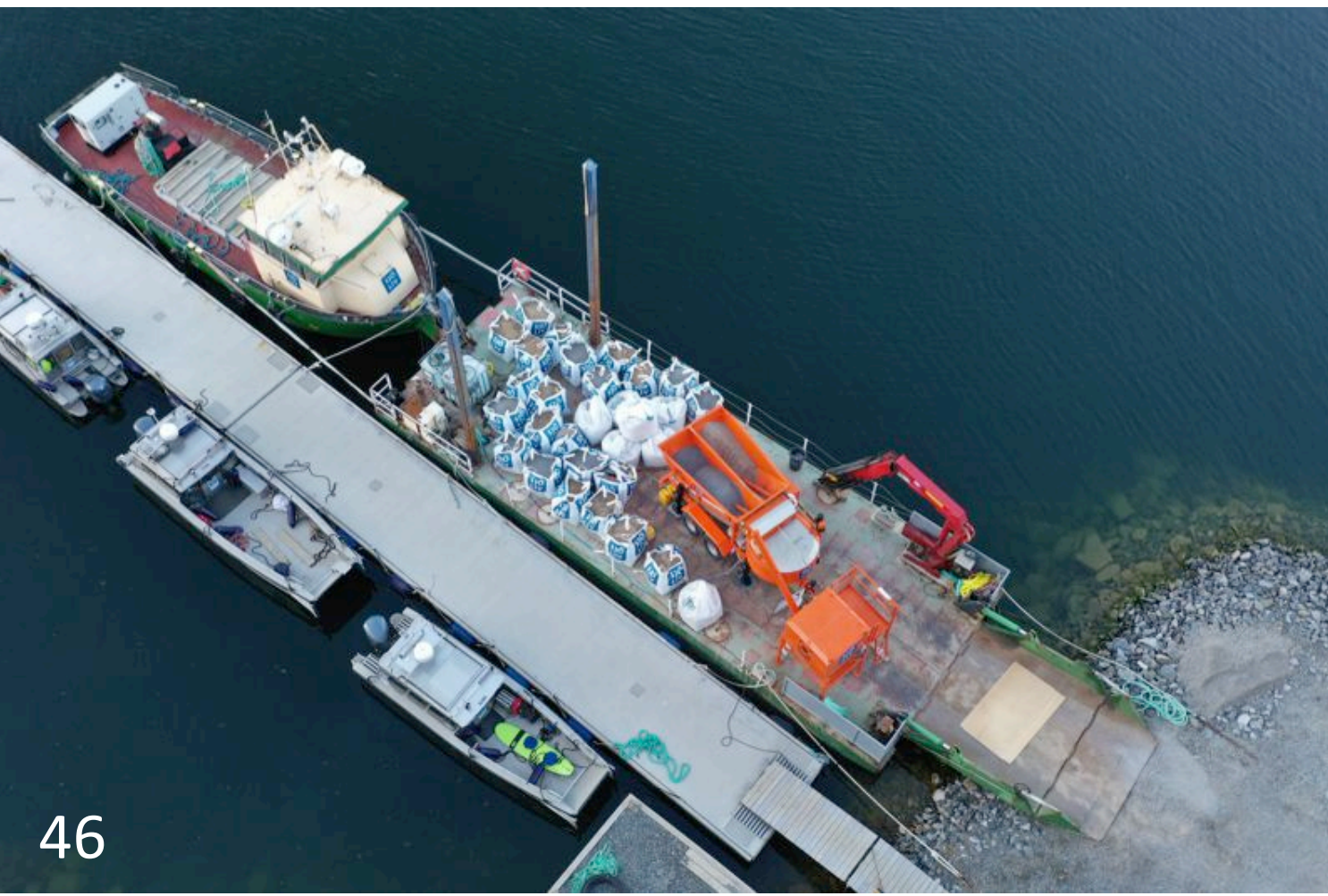
Jonas and Rikard selected a Fibo B1200 with a big bag cement silo to put on a barge to solve the solution.

The concrete is placed using a concrete pump or put into dumper
Rikard ordered the B1200 with a modem to allow for an internet connection to the plant software. When the plant was being set up for the first time, there was a technical problem.

An engineer from the Fibo head office dialled into the plant and fixed the problem within an hour of the issue.



Rikard said, "The after-sales service was second to none. A Brilliant service and company to deal with. I would recommend Fibo to any contractor looking to be in control of their concrete supply. Fibo delivers confidence and a great product."



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.



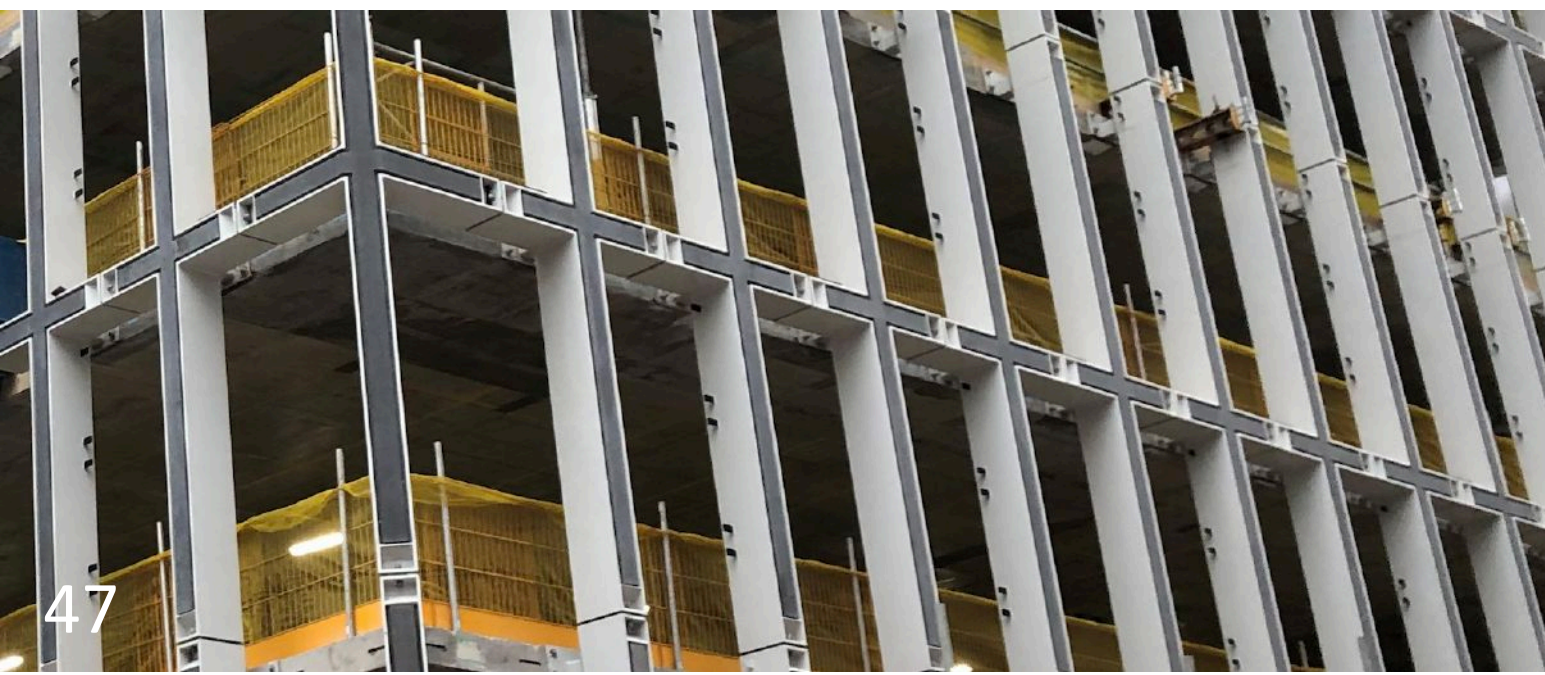
The steel columns and beams were being finished with black pigmented concrete that had to be consistent in colour for all the columns and beams; otherwise, they would be rejected by the client costing thousands of pounds.

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

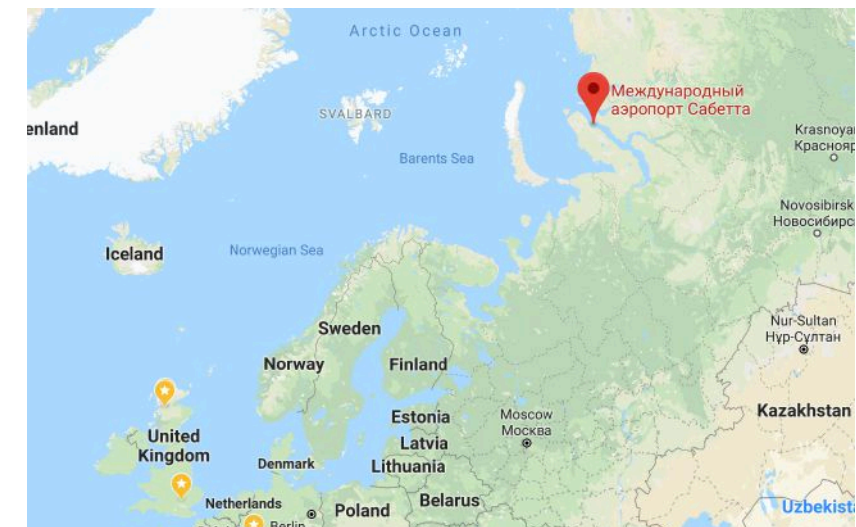
Sabetta Airport on Yamal Peninsula was built to fly construction and plant operators into the nearby gas fields.

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.



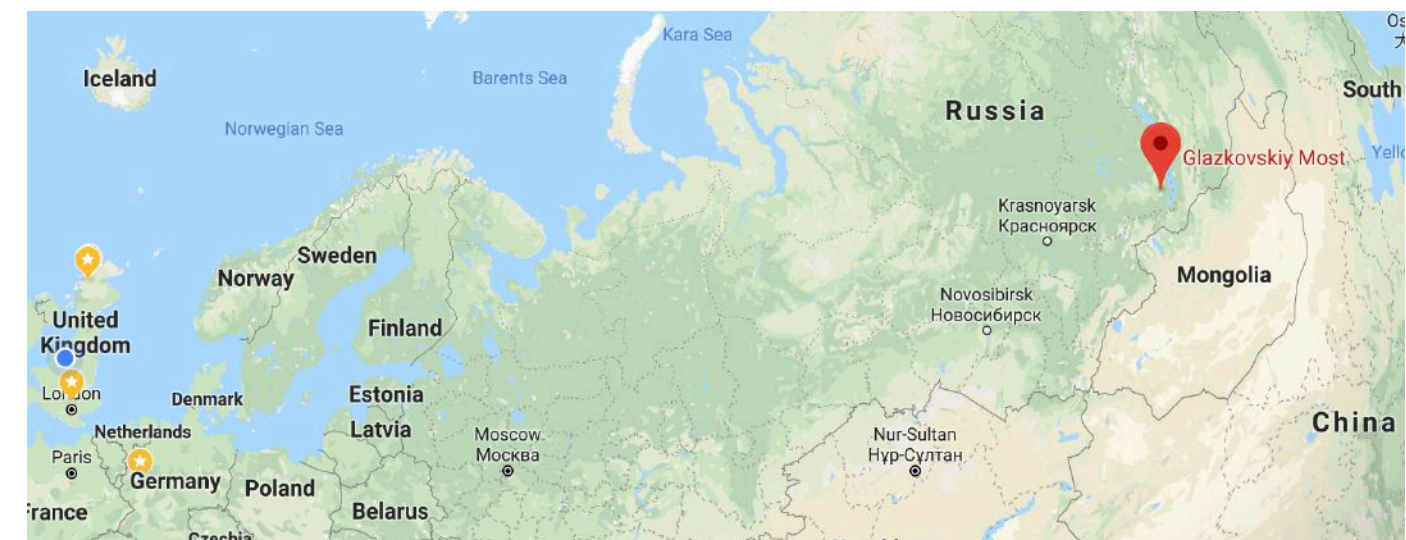
Case Study

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.



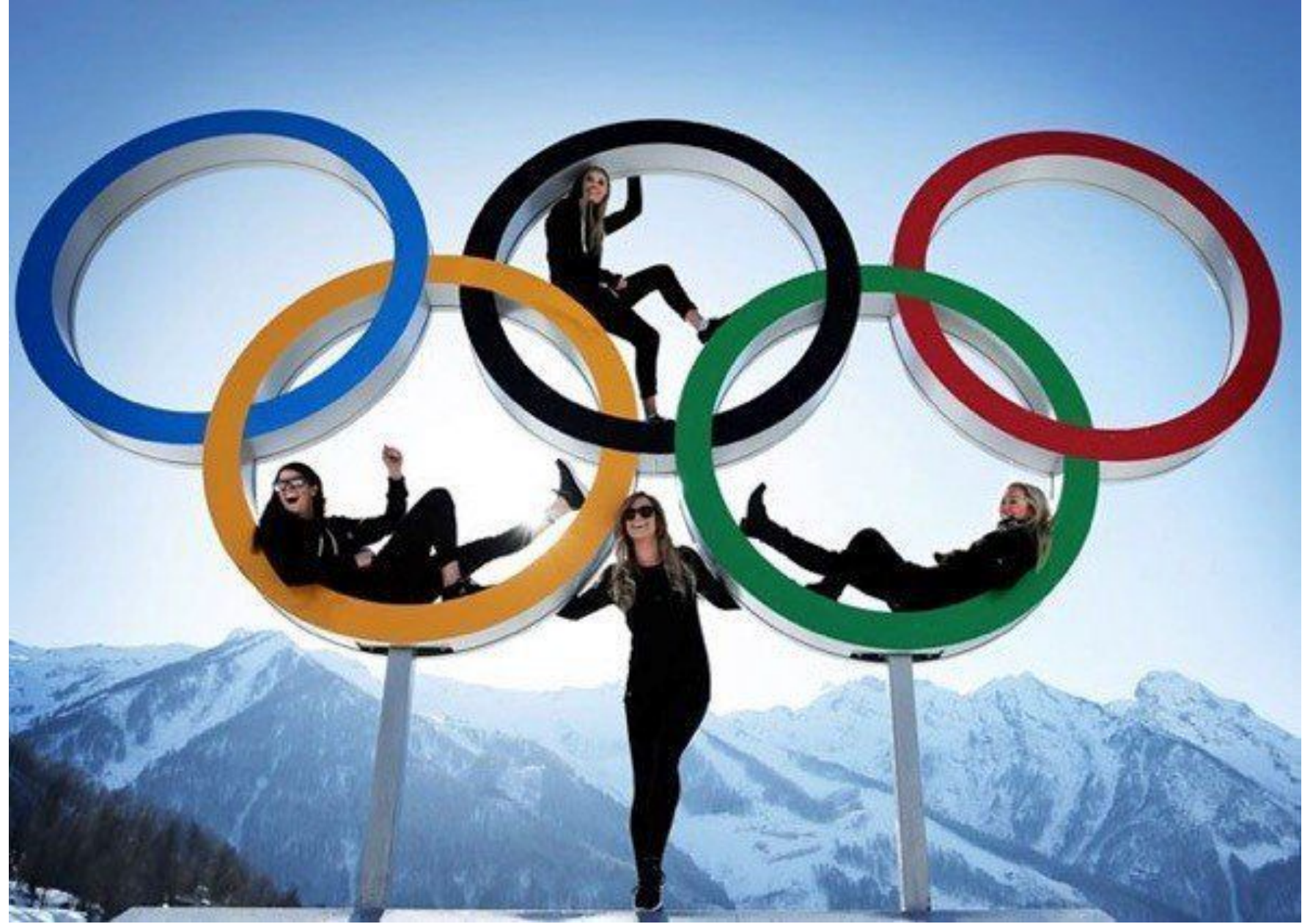
Case Study

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 m³ 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.





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

Spain

Portugal

United Kingdom

Ireland

Canada

United States

New Zealand

Philippines

South Africa

Ghana