

RILEY MIXED CONCRETE LIMITED

SUPPORTING STATEMENT

**APPLICATION FOR ENVIRONMENTAL PERMIT
FOR A SECTION 3.1 PART B(b) ACTIVITY
AT DUNNOCKSHAN FARM, BURLEY ROAD,
DUNNOCKSHAN**



**PREPARED BY
DAVID L WALKER LIMITED**

JUNE 2025

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SECTION I INTRODUCTION

- I.1 Riley Mixed Concrete Limited ('RMCL' or 'the operator') are the owner/operators of the agricultural and industrial undertakings at Dunnockshaw Farm, located off Burnley Road ("the site").
- I.2 The site is accessed via Wilkinson Street and incorporates a wide range of agricultural activities including an abattoir. Located to the rear of the wider landholding, RMCL have established and operate a semi mobile ready mixed concrete batching plant. These activities are centred on Grid Ref SD 81726 28022 (refer to Plan D34/I001).
- I.3 This submission has been prepared by David L Walker Limited on behalf of RMCL in support of an application for a Section 3.1 Part B(b) Activity under the Environmental Permitting Regulations 2010 (as amended).
- I.4 This Supporting Statement has been prepared in accordance with the best practice guidance set out in Process Guidance Note 3/01(2) – "Statutory guidance for blending, packing, loading, unloading and use of cement" (September 2012) ("the guidance").
- I.5 This Supporting Statement will confirm baseline conditions and provide a description of the processes to be undertaken on site, along with the monitoring and mitigation techniques available.
- I.6 The document is submitted in support of the application pro forma, a copy of which is reproduced at Appendix I.
- I.7 RMCC is a well established business that serves the construction market across the borough of Burnley and down to Bury and Greater Manchester.
- I.8 The company is continuing to develop its Environmental Management System to provide protocols and standards across a wide range of activities and processes, including for facilities associated with the manufacture of ready mixed concrete.

SECTION 2 SITE CONDITIONS

- 2.1 Dunnockshaw Farm is a well established farm holding that was subject to comprehensive redevelopment in the 1990's with the establishment and use of an abattoir and ancillary premises.
- 2.2 The landholding for the site extends across large tracts of land formed by Burnley Road to the south and the Limy Water to the north. Whilst the site is primarily agricultural in terms of its established use, there have been localised areas of ancillary development including to the rear of the landholding.
- 2.3 The landholding to the rear was initially developed in the mid 2000's with the establishment of an agricultural shed and storage yard. Over time the yard was used as a maintenance hub for the farm and a 'boneyard' for storage of redundant plant and equipment.
- 2.4 The area of the proposed a Section 3.1 Part B(b) Activity covers only the consented ready mixed concrete plant and the extent of its ancillary operations not including the site access road). This area is outlined in red on Plan D34/I002.
- 2.5 The application site is located immediately south of the Limy water at an elevated terrace above the watercourse.
- 2.6 The application site is framed by an extensive network of soil bunds that provide visual and acoustic mitigation. The application site is accessed via a 195m long haul road from its junction with Wilkinson Road. It was observed in the recent site visit, that the haul road (that also used the abattoir) was mainly on good condition with no apparent defects of significance.
- 2.7 The effect of the haul road means that the application site is remote from residential amenity, with the nearest being 'Moorland View' being some 0.23km to the south east.
- 2.8 The plant site is located in a framework of public rights of way including Footpaths 1205 007#2; 1205 009# amongst others. These are shown on Figure 1 below.

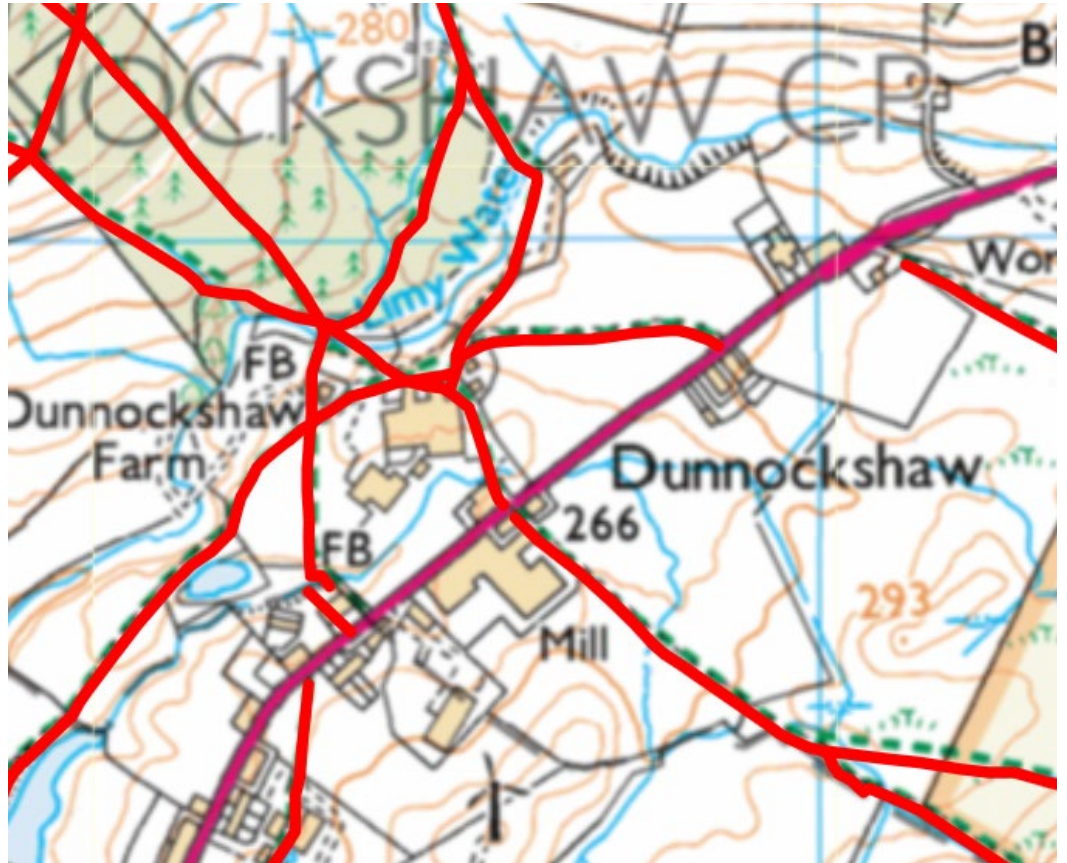


Figure 1 – Rights of Way near Application Site

- 2.9 The Limy Water is the principal drainage feature in the vicinity of the site, which is an upland watercourse that drains into River Irwell to the south.
- 2.10 The plant site is not located on or in close proximity to any nationally designated ecology or heritage assets. There are no known local landscape or ecology designations, but the plant site (and all other parts of the site) are located in a Green Infrastructure Opportunity Area.

SECTION 3 SITE PROCESSES

3.1.1 This application for a Section 3.1 Part B(b) Activity, is to regulate the cement handling activities associated with the approved development. The information in this section supports the answers to questions C1-C19 inclusive of the application form reproduced at Appendix 1.

3.1.2 The ready mixed concrete batching plant is typically operated within the following hours of operation:

- 7.00 am – 7.00 pm Monday to Friday;
- 7.00 am – 1.00 pm Saturday.

Layout

3.1.3 The layout of the application site is illustrated on Plan D34/I002 and includes for the plant and aggregates stocks.

3.1.4 A bespoke HGV routing system is operated consistent with best practice at such locations, minimising the need to reverse, and the interaction between road going vehicles and heavy plant activity wherever possible.

3.1.5 RMCL have established a semi mobile plant (comprising a Sami Ultrazazz). The plant comprises a ready mixed concrete with ancillary facilities including:

- aggregate feed hopper;
- aggregate stocking bays;
- cement and admixture silos;
- conveyors;
- mixing unit; and
- stand alone batch cabin.

3.1.6 Elevations of the plant are reproduced at Appendix 2. These confirm a modular installation with a maximum height of circa 5m at the loading head. A copy of the technical brochure for the plant is reproduced at Appendix 3.

3.1.7 The design of the plant includes measures to minimise dust and other potential emissions consistent with Sections 3 and 5 of process guidance note PG3/01. The plant and equipment will be constructed in a steel framework supported by concrete plinth foundations.

3.3 Ready Mixed Concrete Operations

3.3.1 Semi Mobile plant within the application site comprises a modular plant including feed hopper, conveyors, aggregate storage bins (5 each of 50 tonne capacity), concrete mixing plant, control cabin and silos (1 No.) for storing the cement and admixtures (each 52 tonne capacity).

3.3.2 Aggregates will be provided from the existing approved stores to the north of the application site, as shown on Plan D34/I002 and will be fed into the bins by a front-end loading shovel.

- 3.3.3 The conveyor is within the inline silo system and is a weigh belt as well, only open at the discharge point end connected to the charger skip. The conveyor feeds the material at a controlled rate directly into the enclosure of the charger the material is sequenced on the weigh belt prior to discharge in a way to prevent any overspill during the transfer of materials. There is also a secondary sheet guard positioned between the mouth of the charger elevator and the end of the weigh belt, this also prevents spillages from occurring during the material transfer process. This provides an effective means of mitigation to control the arisings of dust and/or waste materials.
- 3.3.4 Ordinary Portland Cement (OPC), and additives such as filler, limestone dust, GGBS and anhydrite will be stored in silos (each of 52 tonne capacity). These materials will be transported to the application site by sealed tanker and pumped, via a flexible heavy-duty hose, into the silos using compressed air as a medium carrier. Close records will be maintained of all deliveries, including volumes delivered, time of delivery and the duration of the delivery. These records will be maintained on site for a minimum period of two years. Deliveries will be carefully controlled through suitably worded instructions to delivery and drivers enforced by site management.
- 3.3.5 Silos will be operated in accordance with the applicant's standard on silo management. Each silo on site will be fitted with automatic high and low level audible/visual indicators, which will monitor the filling operation. When fill levels reach the high-level indicator, the alarm will switch off the inlet valve, to prevent overfilling. The use of compressed air will create the requisite pressure conditions to allow the safe and efficient delivery of the powder.
- 3.3.6 The top of each silo will be fitted with reverse jet filters, used to allow the free flow of air in and out of the silos without any powder escape from the silo. A certification for the filter is reproduced at Appendix 4. Enclosed emergency pressure release valves are also fitted to prevent tankers over-pressurising the silos. The jet filter valves, and hose connectors will be checked weekly and prior to each delivery, to meet the requirements of an Environmental Permit issued by the Local Authority.
- 3.3.7 The silo is a horizontal structure which limits height to circa 4m, and as such, the input rates will need to be correctly controlled by the tanker driver to ensure that flow capacities (and silo volumes) are not exceeded. The cement and admixtures will be transferred to the mixing unit by enclosed screw conveyers.
- 3.3.8 The constituent materials, having been blended to product specification, will then be agitated following the addition of water where a dry batch process is used to load materials into a truck mixer for transport to the market place.
- 3.3.9 The plant incorporates the latest environmental protection measures to comply with Environmental Protection and Permitting provisions (and process guidance note PG3/01) and to prevent any nuisance arising from the operations, and will be operated in accordance with any necessary authorisation. The plant will benefit from appropriate control systems to monitor production activity and environmental emissions. Records of this monitoring will be retained on site for a minimum period of two years.
- 3.3.10 On completion of daily deliveries, the mobile mixer units will wash out the barrels into the washout bay situated adjacent to the plant (refer to Plan D34/1002). The bay and associated wedge put will be of concrete construction with retaining walls built up to 1m height to act as edge protection, and provide additional storage capacity if and when required.

- 3.3.1.1 The washout from the mobile mixers will be allowed to settle out, with the water being re-circulated in the concrete mixing plant and the settled solids reclaimed and fed back into the concrete manufacturing process. Such an approach is consistent with best practice guidance.

3.4 Emissions Profile and Site Management

- 3.4.1 There is scope for dust emissions associated with all activities on site, and cementitious emissions for the ready mixed concrete plant only.

- 3.4.2 There is also scope for water based emission for the operations, however in this instance only potential emissions to air have been considered, as water will be retained and re circulated in site as far as possible. The potential for emissions to air is summarised in the table below.

Source	Type	Monitoring
Aggregate Stocking	Fugitive - dust only	Visual inspection only, in accordance with site dust management plan
Aggregate Transfer Conveyors	Fugitive - dust only	Visual inspection only, in accordance with site dust management plan
Cement Silos	Point	Point source potential for emissions at loading point and at air inlet on top of silos. Reverse Jet filters to be installed and maintained as required. Monitoring of level in silos to prevent emissions from the latter. Protocols to be maintained to govern the of cement from tanker's to silos.
Batching Plant	Fugitive	Batching plant fully enclosed only occupational monitoring necessary.
Concrete Loading	Point	Low chance of point source emission during transfer of ready mixed concrete to mobile mixer units. Visual monitoring only during loading. In the event of visual emissions being identified loading should cease, and measures should be undertaken to identify and address the source of the emission.
Haulage	Fugitive	Limited scope for any cementitious build up of materials within yard and on haul roads. Visual inspection only, in

		accordance with site dust management plan
Wash Out	Point	Potential point source emissions from wash out bays if allowed to dry out. Visual inspection only, in accordance with site dust management plan

Table 1: Emissions Profile

- 3.4.3 In order to effectively manage and mitigate the scope for emissions, proactive maintenance and inspection regimes will be applied with independent verification as and when required. An accurate record will be maintained of such activities on site, and made available for inspection as and when required.
- 3.4.4 The plant will be subject to continual process monitoring but also daily and weekly inspections to identify and remedy any apparent dust emissions or any other defects that may affect its operation.
- 3.4.5 Good housekeeping measures will also be maintained to prevent the accumulation of mud and debris, both in and around the batching plant (including the cement silos) and along haulage routes used on site.
- 3.4.6 In all instances Best Available Techniques will be used to prevent or proactively reduce any emissions from the installation. Appreciation and understanding of such techniques shall be subject to ongoing training and instruction, with records of such training retained on site as required.

SECTION 4 POTENTIAL IMPACTS

4.1 Introduction

4.1.1 The applicant company recognises the importance of the natural environment and the potential that operations at their sites may have on the local environment.

4.1.2 The Company plays a significant role as both a member of the local community and as one of the area's leading independent suppliers of ready mixed concrete. The applicant is committed to providing materials but only where emissions can be controlled to minimise nuisance to local residents.

4.2 Site Specific Considerations

4.2.1 Having the benefit of operational experience at similar sites, the company has a thorough knowledge of the potential impact of its operations. The proposals do not constitute development for which an EIA will be required.

4.2.2 However, a review of the proposals has been undertaken and this has highlighted a number of issues with which the proposals can be associated. The company has undertaken studies in the following areas:

- (i) visual effects;
- (ii) noise;
- (iii) air quality;
- (iv) highways and traffic; and
- (v) flood risk assessment.

However of the above only air quality and highways/transport are considered to be needed to be addressed as part of this Environmental Permit application.

4.3 Dust/Air Quality

4.3.1 Dust is defined as particulate matter in the size range 1-75 microns (μm) in diameter and is produced through the action of crushing and abrasive forces on materials. Dust may be generated at mineral sites during a range of site preparation, excavation, transportation and minerals processing operations (including the manufacture of ready mixed concrete), although as noted such operations are not likely to generate noticeable levels of particulate matter.

4.3.2 Wind has the potential to lift dust from surfaces where the mineral is processed, depending on the speed of the wind, the condition of the surface and the size of the dust particles. This potential nuisance can be substantially reduced where surface wetting occurs, for example by the use of motorised dust suppression units (water bowsers).

4.3.3 The generation of dust from cement handling activities and its consequent dispersal through the atmosphere is dependent not only on the type and level of site activity, but also on prevailing meteorological conditions. It is understood that as the prevalent wind direction is from the south-west quadrant, the proposed operations are unlikely to affect the nearby potential receptors, even with increased HGV and mobile plant activity.

4.3.4 Effective schemes and controls are in place via conditions A12: C5 and D4 of the 2024 consent, with further controls to be provided via appropriate Environmental Permit conditions.

4.3.5 Any dust occurrence event will be limited and of short duration and will be minimised by implementation of the dust control recommendations. Notwithstanding the periods when adverse weather conditions are likely to occur, the continued operation of a Dust Action Plan will ensure that extra vigilance is undertaken at all times and as such that impacts are managed and mitigated wherever possible.

4.4 Highways and Transport

4.4.1 The application site is accessed via an internal haul road that connects Wilkinson Road. The latter connects with Burnley Road via a priority junction.

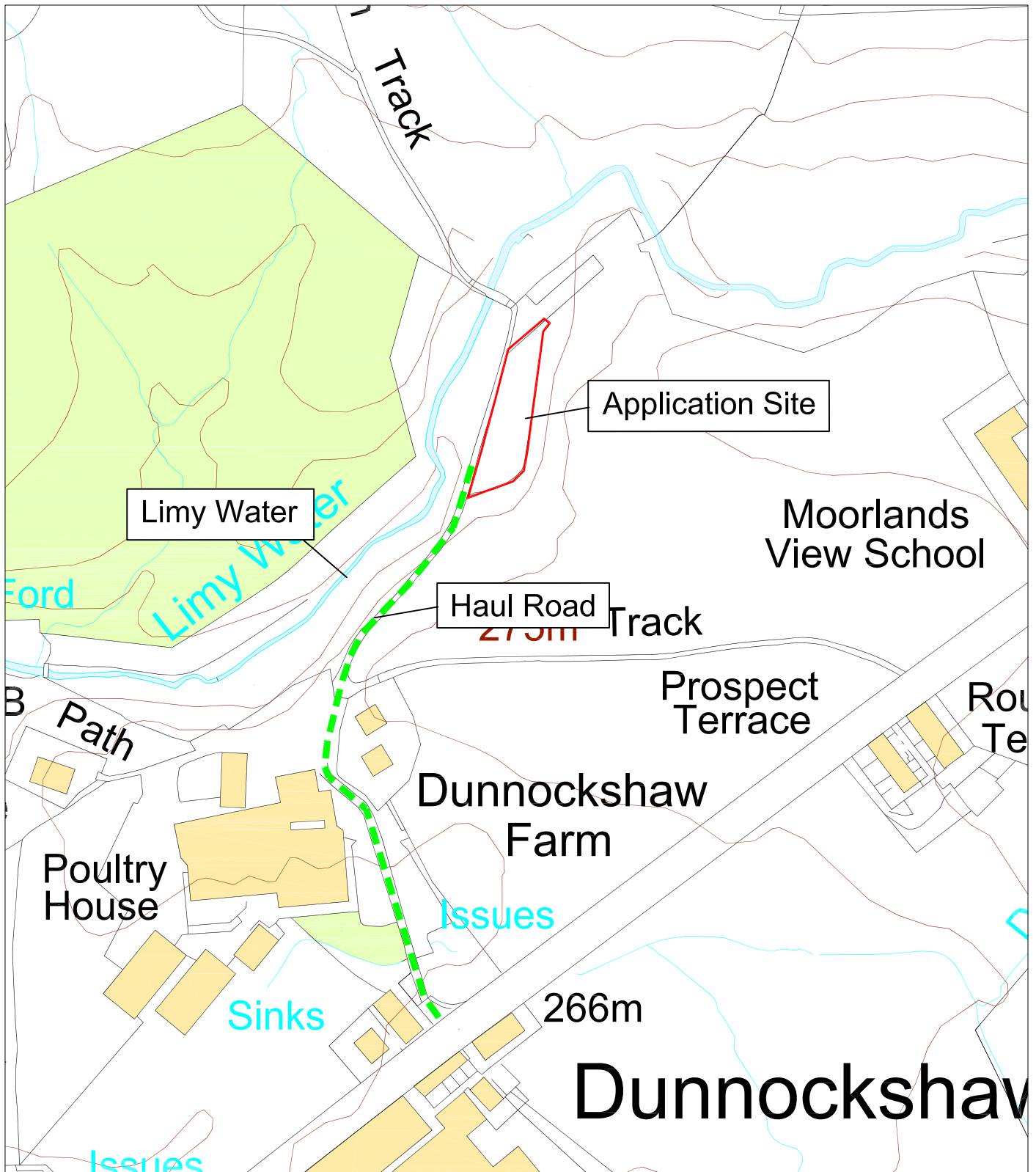
4.4.2 HGV activity across the wider landholding is in relation to the farming activities; the abattoir; and other commercial activities at the site.

4.4.3 These activities are well established and are proven not to impact on nearby residential premises or other potentially sensitive receptors.

PLANS



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Location		
Duccockshaw Farm		
Title		
Location Plan		
Drg.No.	Scale	Date
D34/1001	1:2500@A4	06/25

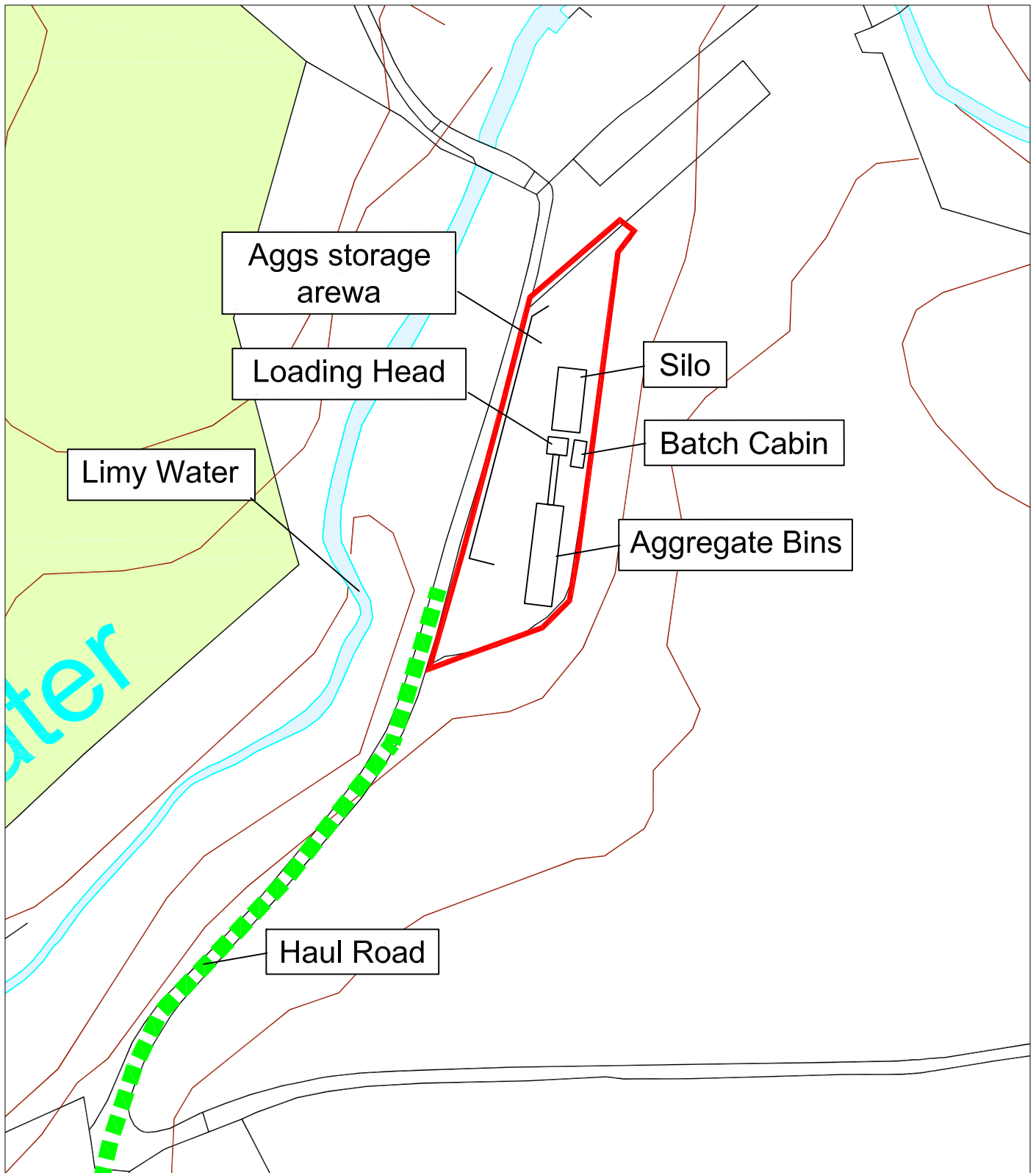


Albion House 89 Station Road
Eckington Sheffield S21 4FW

Tel: 01246 431 749 Fax: 01246 431 863
Email: headoffice@dlwalker.uk



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Location

Duccockshaw Farm

Title

Site Plan

Drg.No.

D34/1002

Scale

1:1000@A4

Date

06/25



Albion House 89 Station Road
Eckington Sheffield S21 4FW

Tel: 01246 431 749 Fax: 01246 431 863
Email: headoffice@dlwalker.uk

APPENDIX I

Application Pro Forma

Application form



Application for a permit for a blending, packing, loading, unloading and use of bulk cement process

Local Authority Pollution Prevention and Control
Pollution Prevention and Control Act, 1999
Environmental Permitting (England and Wales) Regulations 2016

Introduction

When to use this form

Use this form if you are applying for a permit to a Local Authority to operate a blending, packing, loading, unloading and use of bulk cement installation as defined in Schedule 1 to the Environmental Permitting Regulations.

The appropriate fee must be enclosed with the application to enable it to be processed further. When complete, send the form and the fee and any additional information to:

*Burnley Borough Council
Environmental Protection Team
First Floor, Parker Lane Offices,
Burnley, BB11 2BY.*

Email: envhealth@burnley.gov.uk

If you need help and advice

We have tried to make the application form as straightforward as possible, but please get in touch with us at the local authority address given above if you need any advice on how to set out the information we need.

For the purposes of Section H of the form, a relevant offence is any conviction for an offence relating to the environment or environmental regulation.

LAPPC application form		
For Local Authority use		
Application reference	Officer reference	Date received

A The basics

A1 Name and address of the installation (not required for mobile plant)

LAND AT DUNNOCKSHAW FARM
BURNLEY ROAD
DUNNOCKSHAW
BURNLEY

Postcode BB11 5PP

Telephone

A2 Details of any existing environmental permit or consent (for waste operations, include planning permission for the site, plus established use certificates, a certificate of lawful existing use, or evidence why the General Permitted Development Order applies.

NO PERMIT IN PLACE RELATED TO THE AREA OF CEMENT HANDLING.

PERMIT IN PLACE ON WIDER SITE AND ABATTIC PREMISES

A3 Operator details (The 'operator' = the person who it is proposed will have control over the installation in accordance with the permit (if granted).)

Name: RILEY MIXED CONCRETE LIMITED

Trading name, if different:

Registered office address: DUNNOCKSHAW FARM, BURNLEY ROAD
DUNNOCKSHAW, BURNLEY, BB11 5PP

Principal office address, if different:

Company registration number: 14884327

A4 Any holding company?

Is the operator a subsidiary of a holding company within the meaning of section 1159 of the Companies Act 2006? If "yes" please fill in details of the ultimate holding company.

No ☒ Yes ☐

Name:

Trading name, if different:

Registered office address:

Principal office address, if different:

Company registration number:

A5 Who can we contact about your application? *It will help to have someone who we can contact directly with any questions about your application. The person you name should have the authority to act on behalf of the operator - This can be an agent or consultant.*

Name and position: MR DANIEL WALKER - AGENT FOR OPERATOR
DAVID L WALKER LIMITED, 89 STATION RD,
ECCINGTON, SHEFFIELD, S21 4FW

Telephone: 07771995707

Email: danedwalker.uk

B **The installation**

B1 Does the installation have any silos with capacity more than 500 tonnes?

☐ Yes ☒ No

B2 Are you a cement or cement clinker importer?

☐ Yes ☒ No

If you have answered 'yes' to either B1 or B2 the installation is not suitable for a simple permit.

B3 Are you a concrete batcher?

☒ Yes ☐ No

B4 Do you cast products?

☐ Yes ☒ No

NOT AT PRESENT, BUT PLAN TO MANUFACTURE
LEGO BLOCKS & PRE CAST BEAMS

B5 Why is the application being made?

☒ new installation

☐ change to existing installation means it now needs a permit

B6 Site maps – please provide:

- A location map with a red line round the boundary of the installation

Document reference: 034/1001

- A site plan or plans showing where all the relevant activities are on site:

- a) where the processing plant will be installed
- b) the areas and buildings/structures designated for materials and waste storage and the type of storage
- c) the conveyors and transfer points
- d) any directly associated activities or waste operations.

To save applying for permit variations, you can also show where on site you might want to use for storage etc in the future.

Document reference: 034/1002

B7 Are there any sites of special scientific interest (SSSIs) or European protected sites nearer than any of the following distances to the proposed installation?

- 1km - where the installation involves mineral or cement and lime activities

☐ Yes ☒ No

If yes, is the installation likely to have a significant effect on the special scientific interest or European protected sites?

☐ Yes ☒ No

If yes, please write on a separate sheet or enclose a relevant document explaining what the implications are for the purposes of the Conservation (Natural Habitats etc) Regulations 1994 (see appendix 2 of Annex XVII of the [general guidance manual](#))

Document Reference: _____

B8 Will emissions from the activity potentially have significant environmental effects (including nuisance)?

☐ Yes ☒ No

If yes, please list the potential significant local environmental effects (including nuisance) of the foreseeable emissions on a separate document.

Document Reference: _____

If yes, please enclose a copy of any environmental impact assessment which has been carried out for the installation under planning legislation or for any other purpose.

Document Reference: _____

C The details

C1 Does your installation have arrestment equipment, with external discharge points, not serving silos or dryers with an airflow of: (Tick all that apply)

- a) over 300m³/minute: ☐ Yes ☐ No
- b) under 300m³/minute and over 100m³/minute: ☐ Yes ☐ No
- c) under 100 m³/minute: ☐ Yes ☒ No

C2 Do you have continuous monitors to show compliance with a numerical limit in Table 1 of the simple permit? [informs condition 2]

☐ Yes ☒ No

If yes, do the continuous monitors have alarms which are: (tick all that apply) [informs condition 2]

- a) visible? ☒ Yes ☐ No
- b) audible? ☒ Yes ☐ No
- c) alarm activation recorded automatically? ☐ Yes ☐ No
- d) is a trigger level set? ☐ Yes ☐ No

At what percentage of the emission limit is the value set? %

Have you undertaken isokinetic sampling at least once to demonstrate compliance with the numerical limit in Table 1?

☐ Yes ☒ No

C3 Is odour arrestment equipment installed? [informs condition 3]

☐ Yes ☒ No

C4 Do you have pneumatic transfer of materials? [informs condition 8]

☒ Yes ☒ No PNEUMATIC TRANSFER INTO SILO'S
SCREW BULKER FROM SILO TO LOAD OUT

C5 Which of the following will the bulk cement be stored in: (tick all that apply) [informs condition 4]

- a) silo? ☒ Yes ☐ No
- b) bulk storage tank? ☐ Yes ☒ No
- c) within a building? ☐ Yes ☒ No
- d) in fully-enclosed containers/packaging? ☐ Yes ☒ No
- e) other - please specify _____

C6 Will displaced air from pneumatic loading and unloading be: (tick all that apply) [informs condition 8]

a) vented to arrestment plant ☒ Yes ☐ No

b) back-vented to the delivery tanker ☒ Yes ☐ No

c) other - please specify _____

C7 Do deliveries automatically stop for [informs condition 6]

a) over-filling ☒ Yes ☐ No

b) over-pressurisation ☒ Yes ☐ No

C8 Does pneumatic transfer automatically stop for [informs condition 5]

a) over-filling ☒ Yes ☐ No

b) over-pressurisation ☒ Yes ☐ No

If no, are any silos new since Jun 2004? [informs condition 7]

☒ Yes ☐ No

C9 Do you have alarms to warn of overfilling? [informs condition 6]

☒ Yes ☐ No

C10 For materials not dealt with in C4, what facilities will be provided to store any dusty material and waste? (tick all that apply) [informs condition 9]

a) hopper wind-protected on at least 3 sides ☐

b) storage bay without suppression and stockpiles kept lower than the retaining walls ☒

c) storage bay with suppression ☒

d) fully-enclosed stores ☐

e) other - please specify ☐

C11 Will any material be stored in the open (unenclosed) other than material wholly comprised of one or more of the following: >3mm material, sand, scalpings, road sub base (MOT) material that has been conditioned before deposit, conditioned crusher- run or blended material? [informs condition 9]

☐ Yes ☒ No

C12 Do you have belt conveyors:

[informs condition 10]

☒ Yes ☐ No

If yes, which of the following facilities will be provided to convey any dusty material and waste (tick all that apply) [informs condition 10]

- a) deep trough ground-level conveyor ☒
- b) fully-enclosed conveyor ☒
- c) pneumatic handling system ☐
- d) bucket elevator ☐
- e) wind boards ☐
- f) other – please specify _____

C13 Which of the following methods will be used to minimise emissions at belt conveyor transfer points, including free fall of material? (tick all that apply)

[informs condition 10]

- a) enclosed ☒
- b) enclosed and ducted to arrestment equipment ☐
- c) fitted with a chute ☐
- d) other - please specify _____

C14 Which of the following techniques will be used to clean belt conveyors (tick all that apply)

[informs condition 10]

- a) belt scrapers ☒
- b) catch plates ☐
- c) other techniques for keeping the return belt clean and collecting the material removed by the cleaning – please specify _____

C15 How will potentially dusty materials (including any raw materials, finished products and waste), arrive at or leave the site? (tick all that apply)

[informs Condition 11]

	Raw Materials	Finished Products	Waste
Road	☒	☒	☒
Rail	☐	☐	☐
Other	☐	☐	☐

C16 How will potentially dusty materials, (including any raw material, finished products and waste) be transported within the site

(tick all that apply)

[informs BAT]

- a) tanker ☒
- b) fully-enclosed transport ☐
- c) 'canopied' rail wagons ☐
- d) sheeted transport ☒
- e) water suppression applied to the transported material ☐
- f) aqueous polymer suppression applied to the transported material ☐
- g) bagged ☐
- h) other – please specify: _____

C17 Do you have any quarry roads as part of the installation?

[informs condition 12]

☐ Yes ☒ No

C18 Which techniques will you use to ensure that vehicles do not track material onto the highway?

[informs condition 13]

- a) body and wheel wash ☐ Yes ☐ No
- b) wheel wash ☒ Yes ☐ No
- c) hose and brush ☐ Yes ☐ No
- d) sufficient distant to the site boundary on sealed road before leaving site
☒ Yes ☐ No
- e) Other, please describe: _____

C19 Do you have environmental management procedures and policy?

[informs condition 3, 15 & 16]

☒ Yes ☐ No

D Anything else

Please tell us anything else you would like us to take account of.

Document Reference: _____

E Application fee

You must enclose the [relevant fee](#) with your application. Please contact the Environmental Protection Team at envhealth@burnley.gov.uk for methods of payment.

If your application is successful you will also have to pay an annual subsistence charge, so please say who you want invoices to be sent to.

F Protection of information

F1 Any confidential or national security info in your application?

If there is any information in your application you think should be kept off the public register for confidentiality or national security reasons, please say what and why. [General guidance manual](#) chapter 8 advises on what may be excluded. *(Do not include any national security information in your application. Send it, plus the omitted information, to the Secretary of State or Welsh Ministers who will decide what, if anything, can be made public.)*

Document Reference : _____

F2 Please note: data protection

The information you give will be used by the Council to process your application. It will be placed on the relevant public register and used to monitor compliance with the permit conditions. We may also use and or disclose any of the information you give us in order to:

- consult with the public, public bodies and other organisations,
- carry out statistical analysis, research and development on environmental issues,
- provide public register information to enquirers,
- make sure you keep to the conditions of your permit and deal with any matters relating to your permit
- investigate possible breaches of environmental law and take any resulting action,
- prevent breaches of environmental law,
- offer you documents or services relating to environmental matters,
- respond to requests for information under the Freedom of Information Act 2000 and the Environmental Information Regulations 2004 (if the Data Protection Act allows)
- assess customer service satisfaction and improve our service.

We may pass on the information to agents/representatives who we ask to do any of these things on our behalf.

F3 Please note: it is an offence to provide false etc information

It is an offence under regulation 38 of the EP Regulations, for the purpose of obtaining a permit (for yourself or anyone else), to:

- make a false statement which you know to be false or misleading in a material particular,
- recklessly make a statement which is false or misleading in a material particular
- intentionally to make a false entry in any record required to be kept under any environmental permit condition
- with intent to deceive, to forge or use a document issued or required for any purpose under any environmental permit condition.

If you make a false statement

- we may prosecute you, and
- if you are convicted, you are liable to a fine or imprisonment (or both).

H Declarations A and B for signing, please

These declarations should be signed by the person listed in answer to question A3. Where more than one person is identified as the operator, all should sign. Where a company or other body corporate is the operator, an authorised person should sign and provide evidence of authority from the board.

Declaration A: I/We certify

EITHER – As evidence of my/our competence to operate this installation in accordance with the EP Regulations, no offences have been committed in the previous five years relating to the environment or environmental regulation.

OR- The following offences have been committed in the previous five years which may be relevant to my/our competence to operating this installation in accordance with the regulations:

Signature: _____ Name: _____

Position: _____ Date: _____

Declaration B: I/We certify that the information in this application is correct. I/We apply for a permit in respect of the particulars described in this application (including the listed supporting documentation) I/we have supplied. *(Please note that each individual operator must sign the declaration themselves, even if an agent is acting on their behalf.)*

Signature: _____ Name: _____

Position: _____ Date: _____

Signature: _____ Name: _____

Position: _____ Date: _____

APPENDIX 2

Technical Brochure for Sami Ultrazazz Plant



TECNO

Dry Batching Plants
Bétonnage Sec
Impianti di Betonaggio Dry

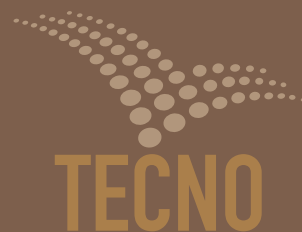


sami

sami



MOBILE CONCRETE BATCHING PLANTS



Centrales à béton mobiles
Centrali di betonaggio mobili

3

COMPLETE MOBILITY

Designed to allow complete mobility and for the on-site production of concrete by means of truck mixers, the TECNO series concrete batching plants are the result of a process that is continuously evolving and being improved and that the company have been involved in for over 10 years.

MOBILITÉ COMPLÈTE

Etudiées pour permettre une mobilité complète et pour la production de béton dans les auto-bétonnières directement sur le chantier, les centrales à béton de la série TECNO sont le résultat d'un processus d'évolution et de perfectionnement constant dans lequel s'implique l'entreprise depuis plus de 10 ans.

MOBILITÀ COMPLETA

Studiati per consentire una mobilità completa e per la produzione di calcestruzzo in autobetoniera direttamente in cantiere, gli impianti di betonaggio della serie TECNO sono il risultato di un processo di continua evoluzione e perfezionamento che coinvolge l'azienda da oltre 10 anni.

DESIGNED FOR NEW PROJECTS

Specifically designed and optimized to lower transport and installation costs, they can be installed directly at the construction site and allow for the production of large volumes of high quality concrete for short periods of time, exactly where needed for infrastructural projects.

AU SERVICE DE NOUVEAUX PROJETS

Spécialement conçues et optimisées pour diminuer les coûts de transport et d'installation, elles peuvent être installées directement sur le chantier et permettent de produire en grands volumes du béton de grande qualité, pendant de courtes périodes, là où se trouvent justement les besoins des projets infrastructurels.

AL SERVIZIO DI NUOVI PROGETTI

Appositamente ideati ed ottimizzati per abbattere i costi di trasporto ed installazione, possono essere installati direttamente in cantiere e permettono di produrre grandi volumi di calcestruzzo di alta qualità, per brevi periodi di tempo, proprio là dove sono le richieste dei progetti infrastrutturali.

WHERE AND WHEN YOU WANT IT

Où vous voulez, quand vous voulez
Dove vuoi, quando vuoi



SMALL AND COMPACT

Thanks to the small and compact size of these plants, they have been installed inside buildings and tunnels, on the tops of mountains as well as in the centre of traffic-congested cities, on glaciers and in deserts.

OPTIMIZED FOR TRANSPORT

The dimensions are optimized for transport and designed to be installed in just a few hours. They are pre-wired, completely automated and provide the user with considerable savings in installation, removal and handling costs.





OPTIMISÉES POUR LE TRANSPORT

Les dimensions sont optimisées pour le transport et conçues pour permettre une installation en quelques heures. Les centrales sont pré-câblées, entièrement automatisées et permettent à l'utilisateur de faire des économies considérables au niveau des coûts de montage, de démontage, et de déplacement.

CONTENUES ET COMPACTES

Grâce aux dimensions contenues et compactes, ces centrales ont été installées à l'intérieur de bâtiments et de tunnels, au sommet de montagnes, ainsi que dans le centre de villes congestionnées par la circulation, sur des glaciers et dans des déserts.

OTTIMIZZATI PER IL TRASPORTO

Le dimensioni sono ottimizzate per il trasporto, sono progettati per essere installati in poche ore, sono precablati, completamente automatizzati e consentono all'utilizzatore un considerevole risparmio nei costi di montaggio, smontaggio e movimentazione.

CONTENUTI E COMPATTI

Grazie alle dimensioni contenute e compatte, tali impianti sono stati installati all'interno di edifici e gallerie, sulla sommità di montagne, così come nel centro di città congestionate dal traffico, tra ghiacciai e deserti.

HYDRAULIC LIFTING DEVICES

The hydraulic lifter kit allows the loading and unloading of the plant from the transport vehicle without the need of a crane, simplifying and speeding up the assembly and disassembly operations of the plant itself.

FOLDING OF THE ELEVATOR BELT

The bucket elevator, run by hydraulic pistons, enters the profile, folding itself inside the storage tanks without needing to be removed.

LEVAGE HYDRAULIQUE

Le kit de pistons hydrauliques permet le chargement et le déchargement de la centrale du moyen de transport sans recourir à une grue, simplifiant et accélérant ainsi les opérations de montage et de démontage de l'installation.

BANDE D'ÉLEVATION REPLIABLE

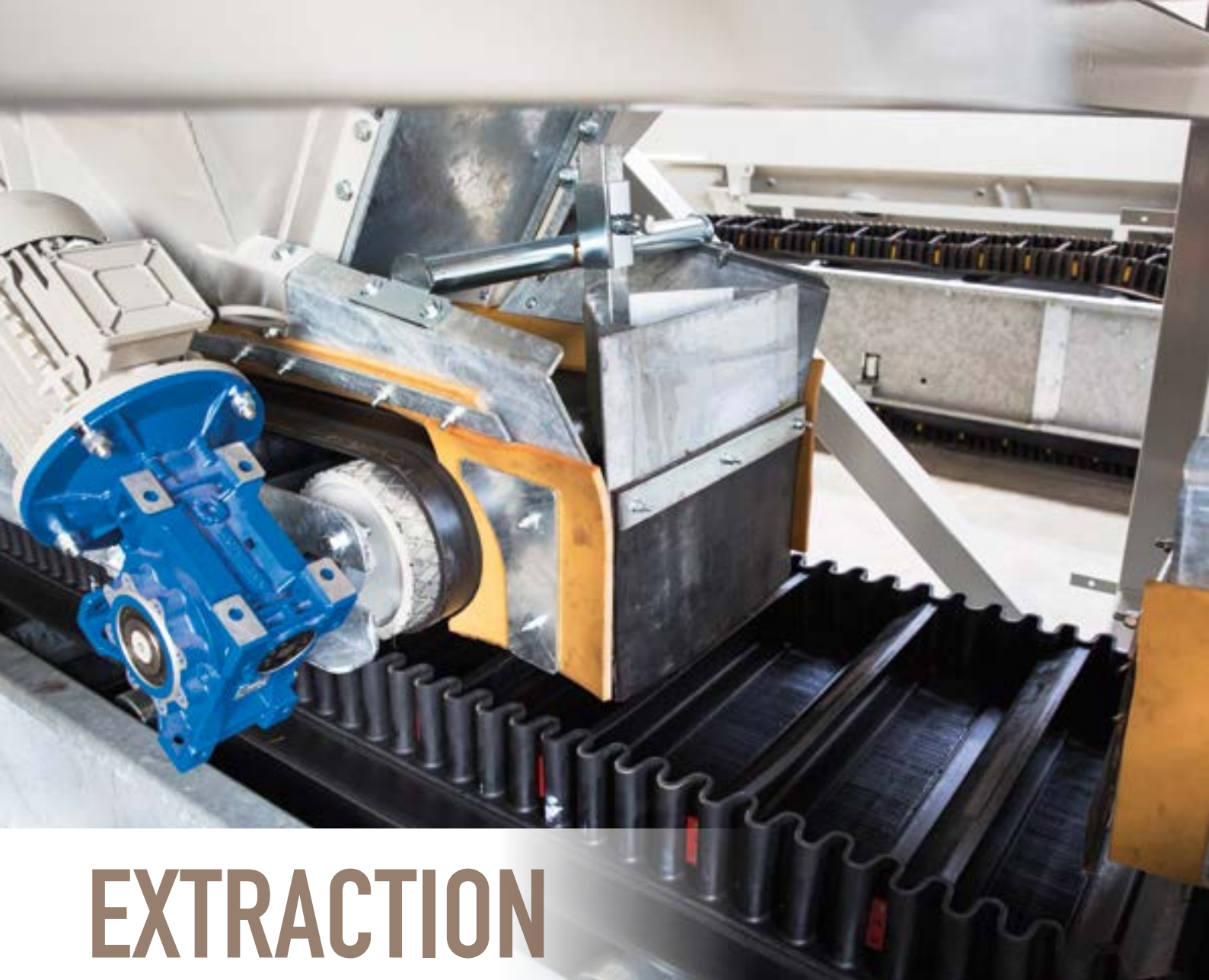
La bande de levage à godets, actionnée par pistons hydrauliques se replie à l'intérieur des compartiments granulats sans besoin de démontage.

SOLLEVATORI IDRAULICI

Il kit sollevatori idraulici consente il carico e lo scarico dell'impianto dal mezzo di trasporto senza necessità di utilizzare una gru, semplificando e velocizzando le operazioni di montaggio e smontaggio dell'impianto stesso.

RIBALTAMENTO NASTRO ELEVATORE

Il nastro elevatore a tazze, azionato da pistoni idraulici, rientra in sagoma ripiegandosi all'interno delle vasche di contenimento senza necessità di smontaggio.



EXTRACTION AND BATCHING OF AGGREGATES

Extraction et dosage des
granulats
Estrazione e dosaggio dei
materiali inerti

BUCKET ELEVATOR BELT

The extraction of the aggregates is performed by means of the smooth extractor belts applied to the unloading doors of the bins. The materials are then transported to the unloading height by means of a rubber bucket elevator belt.

BANDE D'ÉLEVATION À GODETS

L'extraction des granulats se fait au moyen des bandes d'extraction avec tapis lisse, installées sur les bouches de déchargement des cuves. Les matériaux sont ensuite transportés à la hauteur de déchargement au moyen d'une bande d'élévation à godets en caoutchouc.

NASTRO ELEVATORE A TAZZE

L'estrazione degli inerti avviene tramite i nastri estrattori a tappeto liscio applicati alle bocche di scarico delle vasche. I materiali vengono poi trasportati alla quota di scarico tramite un nastro elevatore con tappeto in gomma a tazze.

AUTOMATIC VIBRATION

If the aggregates are blocked inside one of the storage bins, the system will automatically detect that the materials have not come out and it will try to solve the problem by activating the electric vibrators.

VIBRATION AUTOMATIQUE

En cas de blocage des granulats dans l'une des cuves de stockage, le système détecte automatiquement le non déversement des matériaux et s'occupe de résoudre le problème en mettant en fonction les vibreurs électriques.

VIBRAZIONE AUTOMATICA

Nel caso in cui si verifichi un blocco degli inerti all'interno di una delle vasche di stoccaggio il sistema rileverà in modo automatico la mancata fuoriuscita dei materiali e proverà a risolvere il problema mettendo in funzione i vibratorii elettrici.



ELECTRONIC BATCHING

The batching of the materials is carried out by deduction by means of a strong and reliable weighing system, with load cells and an electronic device.

TOLERANCES AND STANDARDS

The weighing system with load cells is dimensioned in order to ensure an accurate weighing $\pm 3\%$ greater than the requirements of the European standards (starting from individual extractions $>250 \text{ kg/m}^3$).

RECOVERY OF MATERIALS

A special system allows the continuous cleaning of the bucket elevator conveyor and the automatic recovery of materials, ensuring superior dosing accuracy.

DOSAGE ÉLECTRONIQUE

Le dosage des matériaux se fait par déduction à travers un système de pesée, solide et fiable, avec cellules de charge et instrument électronique.

TOLÉRANCES ET RÉGLEMENTATIONS

Le système de pesage à cellules de charge est conçu pour garantir une précision des dosages supérieure à la tolérance $\pm 3\%$ requise par les réglementations européennes (à partir d'extractions $>250 \text{ kg/m}^3$ chacune).

RÉCUPÉRATION DES MATÉRIAUX

Un système spécial permet le nettoyage continu de la bande d'élévation à godets et la récupération automatique des matériaux garantissant ainsi une plus grande précision des dosages.

DOSAGGIO ELETTRONICO

Il dosaggio dei materiali avviene in detrazione tramite un sistema di pesatura, robusto e affidabile, a celle di carico e strumento elettronico.

TOLLERANZE E NORMATIVE

Il sistema di pesatura è dimensionato per garantire un'accuratezza dei dosaggi maggiore del $\pm 3\%$ richiesto dalle normative europee (a partire da singole estrazioni $>250 \text{ kg/m}^3$).

RECUPERO MATERIALI

Un particolare sistema permette la pulizia continua del nastro elevatore a tazze e il recupero automatico dei materiali, garantendo così una precisione nei dosaggi superiore.



WATER, ADDITIVES AND MOISTURE

Eau, adjuvants et humidité granulats
Acqua additivi e umidità inerti



BATCHING UNIT FOR WATER

Configured for the batching of water for the mixture and including a centrifugal pump, a flow meter, an electro-pneumatic valve and a cabinet for the components. Pre-arranged for communication with the automatic control system of the batching unit.

GROUPE DOSAGE EAU

Configuré pour le dosage de l'eau de mélange et comprenant la pompe centrifuge, le compteur émetteur d'impulsions, la vanne électropneumatique et l'armoire pour le logement des composants. Prévu pour l'envoi de signaux au système automatique de contrôle de l'installation de dosage.

GRUPPO DOSAGGIO ACQUA

Configurato per il dosaggio dell'acqua d'impasto e comprensivo di pompa centrifuga, contatore lanciainpuls, valvola elettropneumatica e armadio per alloggiamento componenti. Predisposto per invio segnali a sistema automatico di controllo impianto dosaggio.

AGGREGATES MOISTURE DETECTION

The system automatically corrects the amount of water poured into the mix. The supply includes the capacitive probe applied to the aggregate bin, the electronic instrument and the analogue board. It can be used for aggregate materials with a maximum grain size of 0-9 mm.

DÉTECTION HUMIDITÉ GRANULATS

Le système corrige automatiquement la quantité d'eau introduite dans le mélange. Il comprend la sonde capacitive installée sur la cuve de retenue des granulats, l'instrument électronique et la carte analogique. Utilisable pour granulats à granulométrie maximale de 0-9 mm.

RIVELAZIONE UMIDITÀ INERTI

Il sistema corregge in modo automatico i quantitativi di acqua immessi nell'impasto. Comprende la sonda capacitiva applicata alla vasca di contenimento inerti, lo strumento elettronico e la scheda analogica. Utilizzabile per inerti con massima granulometria di 0-9 mm.



BATCHING UNIT FOR ADDITIVES

This device is configured for the batching of n.2 adjuvants (optional management up to max. 4 adjuvants) and of washing water, and it includes gear pump, magnetic induction flow meter, electro pneumatic valves for the closing of tanks pipes and the single-door cabinet for the housing of components. The system provides, at the end of each dosing cycle, the automatic washing of the piping with clean water and the automatic adjustment of the amount of water of the active formula.

GROUPE DOSAGE ADJUVANTS

Configuré pour le dosage de n.2 adjuvants (en option gestion de n.4 adjuvants max) et de l'eau de lavage, comprenant une pompe à engrenages, un débitmètre à induction magnétique, des vannes électropneumatiques de fermeture des tuyauteries des réservoirs et une armoire pour le logement des composants. Le système prévoit un lavage automatique des tuyaux à la fin de chaque dosage, à l'eau propre, ainsi que la correction automatique de la quantité d'eau configurée dans la formule..

GRUPPO DOSAGGIO ADDITIVI

Configurato per il dosaggio di n.2 additivi (gestione opzionale fino a max 4 additivi) e dell'acqua di lavaggio e comprensivo di pompa a ingranaggi, trasmettitore d'impulsi ad ingranaggi ovali, valvole elettropneumatiche di chiusura tubazioni serbatoi ed armadio per alloggiamento componenti. Il sistema prevede, a termine di ogni dosaggio, il lavaggio automatico delle tubazioni con acqua pulita e la correzione automatica dei quantitativi di acqua impostati in formula.



TOUCH-SCREEN MANAGEMENT SYSTEM



Système de gestion à écran tactile

Gestione touch-screen

READYMIX SOFTWARE

The READYmix touch-screen system on the machine is simple and intuitive, allowing immediate operation and complete control of the production process. It can memorize formulas on a cubic metre basis and automatically archive the doses performed (reports) by progressive number, date and time of pouring.

LOGICIEL READYMIX

Le système à écran tactile READYmix embarqué, simple et intuitif, permet d'être immédiatement opérationnel et d'avoir le contrôle complet du processus de production. De la mémorisation des formules sur la base d'un mètre cube à l'archivage automatique des dosages effectués (rapports) par numéro progressif, date et heure de lancement.

SOFTWARE READYMIX

Il sistema touch-screen READYmix a bordo macchina, semplice e intuitivo, permette di essere da subito operativi ed avere un controllo completo del processo di produzione. Dalla memorizzazione delle formule sulla base di un metro cubo all'archiviazione automatica dei dosaggi eseguiti (reports) per numero progressivo, data e ora di lancio.



11

MAIN FUNCTIONAL FEATURES

- STORAGE OF RECIPES on a cubic metre basis (insertion of all identification data into the recipe in compliance with EN 206 standards);
- Aggregate HUMIDITY COMPENSATION in automatic (by probes) or manual (virtual touch-screen keyboard), with correction of aggregates and water quantities;
- AUTOMATIC DAILY FILING of all MIXES (reports) on touch-screen drive (archiving capacity up to the maximum capacity of the available memory and possibility to recall batching processes by number, day of production or used recipe), for browsing, printing or transfer via USB pen drive;
- CALIBRATION of SCALES and operating TESTS of the inputs and outputs directly from the touch-screen;
- Possibility to DOWNLOAD AND TRANSFER the batching reports via USB pen drive;
- COMPATIBLE FORMAT with EXCEL® electronic calculation spreadsheet, in order to make it possible to export, change and store new recipes.

CARACTÉRISTIQUES FONCTIONNELLES PRINCIPALES

- MÉMORISATION DES FORMULES sur la base de n.1 mètre cube (insertion en formule de toutes les données d'identification conformément aux normes EN 206);
- COMPENSATION HUMIDITÉ granulats de manière automatique (avec les sondes) ou manuelle (clavier virtuel touch-screen) avec correction des quantités granulats et eau;
- ARCHIVAGE AUTOMATIQUE QUOTIDIEN des dosages effectués (reports) pour la consultation, l'impression ou le transfert sur clé USB;
- RÉGLAGE des CANAUX d'acquisition des balances et PREUVE de fonctionnement des usages (entrées et sorties) directement du PC;
- Possibilité de TÉLÉCHARGER les dosages effectués (reports) sur clé USB;
- FORMAT COMPATIBLE avec les feuilles de calcul électronique EXCEL®, afin de permettre l'exportation, la modification et la nouvelle mise en mémoire des formules.

CARATTERISTICHE FUNZIONALI PRINCIPALI

- MEMORIZZAZIONE FORMULE sulla base di n.1 metro cubo (inserimento in formula di tutti i dati identificativi secondo le norme EN206);
- COMPENSAZIONE AUTOMATICA (tramite sonda) e MANUALE (tramite tastiera virtuale touch-screen) DELL'UMIDITA' trattenuta dagli inerti, con correzione della quantità di inerti e acqua d'impasto;
- ARCHIVIAZIONE AUTOMATICA GIORNALIERA delle MISCELE (reports) su disco touch-screen con possibilità di visualizzazione, stampa o trasferimento tramite chiave USB;
- CALIBRAZIONE delle SCALE e test di operatività di inputs e outputs direttamente da touch-screen;
- Possibilità di ESPORTAZIONE E TRASFERIMENTO MISCELE (reports) tramite chiave USB;
- FORMATO COMPATIBILE con foglio di calcolo EXCEL® per consentire l'esportazione, modifica e nuova memorizzazione delle formule.



COMPLETE MANAGEMENT VIA PC

Gestion complète
avec ordinateur

Gestione completa
con postazione pc

GENIXECO SOFTWARE

The GENIXeco ONYMA multitasking system (control cabin with PC station) allows for the complete control of the production process including the management and database of files referring to formulas, customers, construction sites, vehicles, shipping documents, consumptions and reports.

LOGICIEL GENIXECO

Le système multitasking GENIXeco ONYMA (cabine de commande avec ordinateur) permet un contrôle complet du processus de production y compris la gestion et l'archivage de la base de données, formules, clients, chantiers, véhicules, documents de transport, gestion des stoks et comptes-rendus.

SOFTWARE GENIXECO

Il sistema multitasking GENIXeco ONYMA (cabina di comando con postazione PC) permette un controllo completo del processo di produzione fino alla gestione e all'archiviazione database dei files riferiti a formule, clienti, cantieri di lavoro, veicoli, documenti di spedizione, consumi e reports.

IT INCLUDES

- An electrical panel with a synoptic cabin panel;
- A PC with Windows OS;
- A 17" LCD monitor;
- GENIXeco ONYMA management software.

AVAILABLE

- Management of shipping documents;
- A4 printer.

IL COMPREND

- *Tableau électrique avec pupitre comprenant un panneau synoptique dans la cabine;*
- *Ordinateur avec système d'exploitation Windows;*
- *Écran LCD 17";*
- *Logiciel de gestion GENIXeco ONYMA.*

DISPONIBILI

- *Gestion des documents de transport;*
- *Imprimante A4.*

COMPRENDE

- Quadro elettrico a pulpito con pannello sinottico da cabina;
- PC con sistema operativo Windows;
- Monitor LCD 17";
- Software gestionale GENIXeco ONYMA.

DISPONIBILI

- Gestione documenti di trasporto;
- Stampante A4.

MAIN FUNCTIONAL FEATURES

- CONTROL of dosage and discharge valves/motors/etc. from the plant's synoptic (mimic) page, point and click with the mouse;
- Input and execution of the DAILY PRODUCTION program, ORDER management, DELIVERY DOCS printing and management (UNI norms) (OPTIONAL);
- Aggregate HUMIDITY COMPENSATION in automatic (by probes) or manual (keyboard), with correction of aggregates and water quantities;
- DATABASE MANAGEMENT for the files referring to formulas, clients, workyards, vehicles, delivery documents, consumptions, reports, etc.;
- MATERIAL INVENTORY CONTROL in real time, with automatic indication of the minimum stock level. The quantities input through the keyboard will be deducted automatically during the cycle;
- AUTOMATIC DAILY FILING of all totalizers (automatic consumption by component, cubic metres produced per formula, client, vehicle, etc.);
- FILING of the DELIVERIES and MIXES (reports) on magnetic media, for browsing, printing or transfer via disk/network to host computer;
- CALIBRATION of SCALES and operating TESTS of the inputs and outputs directly from the PC;
- PROTECTION of the sensitive functions and reserved data via SOFTWARE KEYS. Definition of several key levels for different levels of protection.

CARACTÉRISTIQUES DES FONCTIONS PRINCIPALES

- *CONTROLE des extractions, dosages et décharges directement sur la page synoptique de l'installation, avec la souris;*
- *Formulation et exécution du programme de PRODUCTION QUOTIDIEN, de gestion DES COMMANDES et DES DOCUMENTS de TRANSPORT à norme UNI (en option).*
- *COMPENSATION HUMIDITÉ granulats de manière automatique (avec les sondes) ou manuelle (clavier) avec correction des quantités granulats et eau;*
- *GESTION BASE DE DONNÉES pour archivage Formules, Clients, Chantiers, véhicules, documents de transport etc...;*
- *GESTION DES STOCKS en temps réel avec signal automatique du niveau de réserve minimum. Les quantités introduites à travers le clavier seront automatiquement déduites pendant le cycle automatique;*
- *ARCHIVAGE AUTOMATIQUE QUOTIDIEN de tous les totaliseurs (consommations automatiques par, mètres cubes produits par formule, par auto-bétonnière, etc...);*
- *ARCHIVAGE des LIVRAISONS (documents de transport et rapports) sur un support magnétique pour la consultation, l'impression ou le transfert sur disque ou réseau, vers un Host Ordinateur;*
- *RÉGLAGE des ECHELLES d'acquisition des balances et PREUVE de fonctionnement des usages (entrées et sorties) directement de l'ordinateur;*
- *PROTECTION AVEC LOGICIEL DE CRIPTAGE pour les fonctions délicates et pour les données confidentielles du programme. Définition à plus niveaux de clefs pour différents niveaux de protection.*

CARATTERISTICHE FUNZIONALI PRINCIPALI

- CONTROLLO dei dosaggi e delle valvole/motori/etc. di scarico dalla pagina sinottica (mimica), puntando e cliccando con il mouse;
- Inserimento ed esecuzione del programma di PRODUZIONE GIORNALIERA, gestione ORDINI, gestione e stampa dei DOCUMENTI DI TRASPORTO secondo le normative UNI (opzionale);
- COMPENSAZIONE AUTOMATICA (tramite sonda) e MANUALE (tramite tastiera) DELL'UMIDITA' trattenuta dagli inerti, con correzione della quantità di inerti e acqua d'impasto;
- GESTIONE DATABASE per i files riferiti a formule, clienti, cantieri di lavoro, veicoli, documenti di spedizione, consumi, reports, etc.;
- CONTROLLO INVENTARIO MATERIALI in tempo reale, con indicazione automatica del livello minimo di materiale stoccato. Le quantità inserite attraverso la tastiera saranno scaricate in maniera automatica durante il ciclo automatico;
- ARCHIVIAZIONE AUTOMATICA GIORNALIERA di tutti i dati totalizzati (calcolo automatico del consumo per componente, metri cubi prodotto per formula, cliente, veicolo, etc.);
- ARCHIVIAZIONE di SPEDIZIONI e MISCELE (reports) su disco magnetico, per la visualizzazione, la stampa o il trasferimento tramite disco/network al computer host;
- CALIBRAZIONE delle SCALE e test di operatività di inputs e outputs direttamente dal PC;
- PROTEZIONE delle funzioni sensibili e dei dati riservati tramite SOFTWARE KEYS (definizione di più livelli di chiavi per differenti livelli di protezione).



Why always TECNO?

Pourquoi toujours TECNO?

Perché sempre TECNO?

- Models producing 60 m³/h and 100 m³/h;
- Possibility of managing 2, 3 or 4 compartments for aggregates;
- Compact size optimized for transport;
- Quick and easy installation and startup;
- Space required on the construction site is minimized;
- Completely automated control system;
- Accurate dosing of all components;
- Simple and easy removal;
- No foundation required on solid and compact ground;
- No loading ramps required;
- No authorizations required for installation;
- Minimum management and maintenance costs.



- Modèles avec production de 60 m³/h et 100 m³/h;
- Possibilité de gestion de 2, 3 ou 4 compartiments pour granulats;
- Dimensions compactes optimisées pour le transport;
- Installation et mise en route simples et rapides;
- Espaces nécessaires sur le chantier réduits au minimum;
- Système de contrôle entièrement automatisé;
- Dosage précis de tous les composants;
- Démontage simple et rapide;
- Ne requiert pas de fondation sur des terrains solides et compacts;
- Ne requiert pas de rampes de chargement;
- Ne requiert pas d'autorisations pour l'installation;
- Coûts minimums de gestion et d'entretien.

- Modelli con produzioni di 60 m³/h e 100 m³/h;
- Possibilità di gestione di 2, 3 o 4 scomparti per inerti;
- Dimensioni compatte ottimizzate per il trasporto;
- Installazione e avviamento semplici e veloci;
- Aree richieste in cantiere ridotte al minimo;
- Sistema di controllo completamente automatizzato;
- Dosaggio accurato di tutti i componenti;
- Disinstallazione semplice e veloce;
- Non richiede fondazione su terreni solidi e compatti;
- Non richiede rampe di carico;
- Non richiede autorizzazioni per l'installazione;
- Costi minimi di gestione e manutenzione.



TYPES OF CONSTRUCTION SITE

- Moving construction sites;
- Short term construction sites;
- Isolated or difficult to reach construction sites;
- Construction sites without lifting equipment;
- Construction sites with environmental or landscape restrictions.

TYPE DE CHANTIER

- Chantiers en mouvement;
- Chantiers de courte durée;
- Chantiers isolés ou difficiles d'accès;
- Chantiers dépourvus de moyens de levage;
- Chantiers avec contraintes environnementales et paysagères.

TIPOLOGIA DI CANTIERE

- Cantieri in movimento;
- Cantieri di breve durata;
- Cantieri isolati o difficili da raggiungere;
- Cantieri privi di mezzi di sollevamento;
- Cantieri con vincoli ambientali e paesaggistici.

TYPES OF CONCRETE

- Concrete production for urban works;
- Concrete production for street works;
- Concrete production for housing works;
- Concrete production for wind plant foundations;
- Concrete production for river works (dams and embankments).

TYPE DE BÉTON

- Production de bétons pour les ouvrages urbains;
- Production de bétons pour les ouvrages routiers;
- Production de bétons pour les ouvrages résidentiels;
- Production de bétons pour les fondations pour des centrales éoliennes;
- Production de bétons pour ouvrages fluviaux (barrages et digues).

TIPOLOGIA DI CALCESTRUZZO

- Produzione di calcestruzzi per opere urbanistiche;
- Produzione di calcestruzzi per opere stradali;
- Produzione di calcestruzzi per opere abitative;
- Produzione di calcestruzzi per fondazioni eoliche;
- Produzione di calcestruzzi per opere fluviali (dighe ed argini).





TECNO 60-100

Features

- Weighing/batching system of materials by deduction with load cells;
- Vibration systems to facilitate the descent of material;
- Extra greedy boards hinged on three sides;
- Horizontal ambidextrous board (to allow full freedom when positioning);
- Galvanized panels on one side (ambidextrous);
- Adjustable galvanised leg extensions;
- Galvanised extractor belts with smooth belt applied to the unloading doors;
- Galvanised bucket elevator belt with rubber belt;
- Scrapers to clean the extractor belts;
- Beater roller (with galvanised slide) to clean the bucket elevator belt;
- System for the automatic recovery of cleaning materials of the bucket elevator belt.

CARACTÉRISTIQUES

- Système de pesage/dosage des matériaux par déduction à cellules de charge;
- Système de vibration pour faciliter la descente des matériaux;
- Bords supplémentaires supérieurs pivotant sur charnière sur trois côtés;
- Bord longitudinal ambidextre (pour permettre un positionnement totalement libre);
- Tamponnage zingué sur un côté (ambidextre);
- Rallonges zinguées des pieds réglables;
- Bandes d'extraction zinguées à tapis lisse installées sur les bouches de déchargement;
- Bande d'élévation zinguée avec tapis en caoutchouc à godets;
- Racleurs pour nettoyage bandes d'extraction;
- Rouleau batteur (avec toboggan zingué) pour le nettoyage de la bande d'élévation à godets;
- Système pour la récupération automatique des matériaux de nettoyage du tapis d'élévation à godets.

CARATTERISTICHE

- Sistema di pesatura/dosaggio dei materiali in detrazione a celle di carico;
- Sistema di vibrazione per favorire la discesa dei materiali;
- Extra-sponde superiori incernierate su tre lati;
- Sponda longitudinale ambidestra (per consentire piena libertà di posizionamento);
- Tamponatura zincata su un lato (ambidestra);
- Prolunghe gambe regolabili zincate.
- Nastri estrattori zincati a tappeto liscio applicati alle bocche di scarico;
- Nastro elevatore zincato con tappeto in gomma a tazze;
- Raschiatori per pulizia nastri estrattori;
- Rullo sbattitore (con scivolo zincato) per pulizia nastro elevatore a tazze;
- Sistema per il recupero automatico dei materiali di pulizia del nastro elevatore a tazze.

MOBILITY OF PLANT

- Hydraulic lifting devices;
- Hydraulic kit for the folding of the elevator belt.

MOBILITÉ INSTALLATION

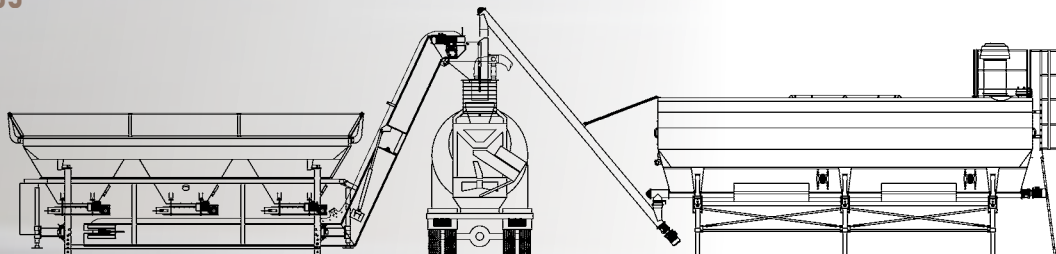
- Élévateurs hydrauliques de manutention;
- Kit hydraulique pour repliement bande d'élévation.

MOBILITÀ IMPIANTO

- Sollevatori idraulici di movimentazione;
- Kit idraulico per ribaltamento nastro elevatore.

Mobile concrete batching plants

Centrales à béton mobiles
Centrali di betonaggio mobili



Technical data

Données techniques
Dati tecnici

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	N. bins <i>N. cuves</i> N° vasche	Aggregate storage capacity <i>Capacité de stockage granulats</i> Capacità di stoccaggio inerti	Flow rate <i>Débit</i> Portata	Dimensions for transport <i>Dimensions pour transport</i> Dimensioni per il trasporto		
				Height <i>Hauteur</i> Altezza	Width <i>Largeur</i> Larghezza	Lenght <i>Longueur</i> Lunghezza
TECNO 2-60	2	~8 m³	~60 m³/h	2,80 m	2,44 m	7,00 m
TECNO 3-60	3	~8 m³	~60 m³/h	2,80 m	2,44 m	9,60 m
TECNO 4-60	4	~8 m³	~60 m³/h	2,80 m	2,44 m	11,80 m

	N. bins <i>N. cuves</i> N° vasche	Aggregate storage capacity <i>Capacité de stockage granulats</i> Capacità di stoccaggio inerti	Flow rate <i>Débit</i> Portata	Dimensions for transport <i>Dimensions pour transport</i> Dimensioni per il trasporto		
				Height <i>Hauteur</i> Altezza	Width <i>Largeur</i> Larghezza	Lenght <i>Longueur</i> Lunghezza
TECNO 2-100	2	~13 m³	~100 m³/h	2,80 m	2,44 m	9,60 m
TECNO 3-100	3	~12 m³	~100 m³/h	2,80 m	2,44 m	11,80 m
TECNO 4-100	4	~12 m³	~100 m³/h	2,80 m	2,44 m	13,50 m

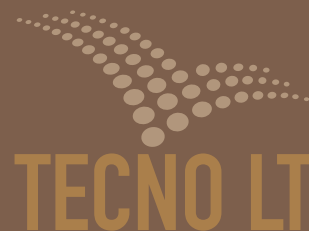
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TECNO 1-100 PLUS	1	~11 m³	~100 m³/h	2,80 m	2,44 m	4,50 m
TECNO 2-100 PLUS	2	~11 m³	~100 m³/h	2,80 m	2,44 m	9,60 m
TECNO 3-100 PLUS	3	~11 m³	~100 m³/h	2,80 m	2,44 m	12,40 m
TECNO 4-100 PLUS	4	~11 m³	~100 m³/h	2,80 m	2,44 m	13,60 m

INDEPENDENT BINS (FOR RECHARGE OF MATERIALS DURING THE DOSAGE) AND POSSIBILITY OF FULL GALVANIZATION
CUVES INDÉPENDANTES (POUR CHARGEMENT DU MATÉRIEL PENDANT LE DOSAGE) ET POSSIBILITÉ DE GALVANISATION COMPLÈTE
VASCHE INDIPENDENTI (PER RICARICA MATERIALE DURANTE IL DOSSAGGIO) E POSSIBILITA' DI ZINCATURA COMPLETA

sami



STATIONARY CONCRETE BATCHING PLANTS



Centrales à béton fixes
Centrali di betonaggio stazionarie

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PRODUCTION AND SALE

Designed for the production of concrete in the truck mixers directly on the construction site, the concrete systems of the series TECNO LT are light and compact particularly suitable for long-term or stationary construction sites as well as for the production and sale of concrete to third parties.

PRODUCTION ET VENTE

Étudiées pour la production de béton en auto-bétonnière directement sur le chantier, les centrales à béton de la série TECNO LT sont des installations légères et compactes particulièrement recommandées pour les chantiers de longue durée ou fixes ainsi que pour la production et la vente de béton à des tiers.

PRODUZIONE E VENDITA

Studiati per la produzione di calcestruzzo in autobetoniera direttamente in cantiere, gli impianti di betonaggio della serie TECNO LT sono impianti leggeri e compatti particolarmente indicati per cantieri di lunga durata o stazionari così come per la produzione e la vendita di calcestruzzo a terzi.

SMALL AND COMPACT

Thanks to the small and compact size of these plants, they have been installed inside buildings and tunnels, on the tops of mountains as well as in the centre of traffic-congested cities, on glaciers and in deserts.

CONTENUES ET COMPACTES

Grâce aux dimensions contenues et compactes, ces centrales sont installées à l'intérieur de bâtiments et de tunnels, au sommet de montagnes, ainsi que dans le centre de villes congestionnées par la circulation, sur des glaciers et dans des déserts.

CONTENUTI E COMPATTI

Grazie alle dimensioni contenute e compatte, tali impianti sono stati installati all'interno di edifici e gallerie, sulla sommità di montagne, così come nel centro di città congestionate dal traffico, tra ghiacciai e deserti.



When to choose TECNO LT?



- Models producing 60 m³/h and 100 m³/h;
- Possibility of managing 2, 3 or 4 compartments for aggregates;
- Compact size optimized for transport;
- Quick and easy installation and startup;
- Space required on the construction site is minimized;
- Guards and walls on both sides for loading side reversibility;
- Completely automated control system;
- Accurate dosing of all components;
- Simple and easy removal;
- No loading ramps required;
- Minimum management and maintenance costs.

- *Modèles avec productions de 60 m³/h et 100 m³/h;*
- *Possibilité de gestion de 2, 3 ou 4 compartiments pour granulats;*
- *Dimensions compactes optimisées pour le transport;*
- *Installation et mise en route simples et rapides;*
- *Espaces nécessaires sur le chantier réduits au minimum;*
- *Ridelles et protections ambidextres pour réversibilité du côté de chargement;*
- *Système de contrôle entièrement automatisé;*
- *Dosage précis de tous les composants;*
- *Démontage simple et rapide;*
- *Ne requiert pas de rampes de chargement;*
- *Coûts minimums de gestion et d'entretien.*

- Modelli con produzioni di 60 m³/h e 100 m³/h;
- Possibilità di gestione di 2, 3 o 4 scomparti per inerti;
- Dimensioni compatte ottimizzate per il trasporto;
- Installazione e avviamento semplici e veloci;
- Aree richieste in cantiere ridotte al minimo;
- Sponde e protezioni ambidestre per reversibilità lato di carico;
- Sistema di controllo completamente automatizzato;
- Dosaggio accurato di tutti i componenti;
- Disinstallazione semplice e veloce;
- Non richiede rampe di carico
- Costi minimi di gestione e manutenzione.

Quand choisir TECNO LT?

Quando scegliere TECNO LT?

TYPE OF CONSTRUCTION SITE

- Production and sales of concrete to third parties;
- Medium-long term construction sites;
- Construction sites with limited work areas;
- Construction sites with lifting equipment.

TYPE OF CONCRETE

- Concrete production for urban works;
- Concrete production for street works;
- Concrete production for housing works;
- Concrete production for wind plant foundations;
- Concrete production for river works (dams and embankments).

TYPE DE CHANTIER

- *Production et vente de béton à des tiers;*
- *Chantiers de moyenne-longue durée;*
- *Chantiers avec des espaces de travail limités;*
- *Chantiers dotés de moyens de levage.*

TYPE DE BÉTON

- *Production de béton pour les ouvrages urbains;*
- *Production de béton pour les ouvrages routiers;*
- *Production de béton pour les ouvrages résidentiels;*
- *Production de béton pour les fondations de centrales éoliennes;*
- *Production de béton pour ouvrages fluviaux (barrages et digues).*

TIPOLOGIA DI CANTIERE

- Produzione e vendita di calcestruzzi a terzi;
- Cantieri di media-lunga durata;
- Cantieri con aree di lavoro limitate;
- Cantieri dotati di mezzi di sollevamento.

TIPOLOGIA DI CALCESTRUZZO

- Produzione di calcestruzzi per opere urbanistiche;
- Produzione di calcestruzzi per opere stradali;
- Produzione di calcestruzzi per opere abitative;
- Produzione di calcestruzzi per fondazioni eoliche;
- Produzione di calcestruzzi per opere fluviali (dighe ed argini).

TECNO 60-100 LT

Features

- Weighing/batching system of materials by deduction with load cells;
- Vibration systems to facilitate the descent of material;
- Extra greedy boards hinged on three sides;
- Longitudinal ambidextrous board (to allow full freedom when positioning it);
- Galvanized panels on one side (ambidextrous);
- Adjustable galvanised leg extensions;
- Galvanised extractor belts with smooth belt applied to the unloading doors;
- Galvanised bucket elevator belt with rubber belt;
- Scrapers to clean the extractor belts;
- Beater roller (with galvanised slide) to clean the bucket elevator belt;
- System for the automatic recovery of cleaning materials of the bucket elevator belt.

CARACTÉRISTIQUES

- Système de pesage/dosage des matériaux par déduction à cellules de charge;
- Système de vibration pour faciliter la descente des matériaux;
- Bords supplémentaires supérieurs pivotant sur charnière sur trois côtés;
- Bord longitudinal ambidextre (pour permettre un positionnement totalement libre);
- Tamponnage zingué sur un côté (ambidextre);
- Rallonges zinguées des pieds réglables;
- Bandes d'extraction zinguées à tapis lisse installées sur les bouches de déchargement;
- Bande d'élévation à godets zinguée avec tapis en caoutchouc;
- Racleurs pour nettoyage bandes d'extraction;
- Rouleau batteur (avec toboggan zingué) pour le nettoyage de la bande d'élévation à godets;
- Système pour la récupération automatique des matériaux de nettoyage du tapis d'élévation à godets.

CARATTERISTICHE

- Sistema di pesatura/dosaggio dei materiali in detrazione a celle di carico;
- Sistema di vibrazione per favorire la discesa dei materiali;
- Extra-sponde superiori incernierate su tre lati;
- Sponda longitudinale ambidestra (per consentire piena libertà di posizionamento);
- Tamponatura zincata su un lato (ambidestra);
- Prolunghe gambe regolabili zincate.
- Nastri estrattori zincati a tappeto liscio applicati alle bocche di scarico;
- Nastro elevatore zincato con tappeto in gomma a tazze;
- Raschiatori per pulizia nastri estrattori;
- Rullo sbattitore (con scivolo zincato) per pulizia nastro elevatore a tazze;
- Sistema per il recupero automatico dei materiali di pulizia del nastro elevatore a tazze.

RECOMMENDED ACCESSORIES

- GENIXeco: complete management with PC;
- Control cabin for operator.

ACCESSOIRES CONSEILLÉS

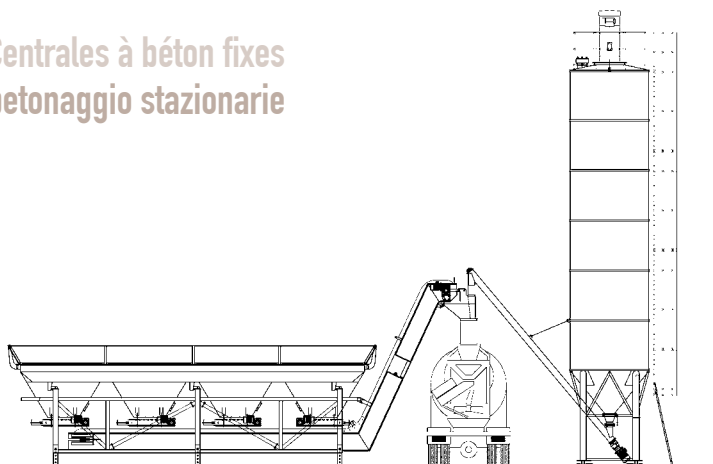
- GENIXeco: gestion complète avec ordinateur;
- Cabine de commande pour opérateur.

ACCESSORI CONSIGLIATI

- GENIXeco: gestione completa con postazione PC;
- Cabina di comando per operatore.

Stationary concrete batching plants

Centrales à béton fixes
Centrali di betonaggio stazionarie



Technical data

Données techniques
Dati tecnici

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	N. bins <i>N. cuves</i> N° vasche	Aggregate storage capacity <i>Capacité de stockage granulats</i> Capacità di stoccaggio inerti	Flow rate <i>Débit</i> Portata	Dimensions for transport <i>Dimensions pour transport</i> Dimensioni per il trasporto		
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TECNO 2-60 LT	2	~8 m ³	~60 m ³ /h	2,44 m	7,00 m	4,30 m
TECNO 3-60 LT	3	~8 m ³	~60 m ³ /h	2,44 m	9,60 m	7,50 m
TECNO 4-60 LT	4	~8 m ³	~60 m ³ /h	2,44 m	11,80 m	9,70 m

	N. bins <i>N. cuves</i> N° vasche	Aggregate storage capacity <i>Capacité de stockage granulats</i> Capacità di stoccaggio inerti	Flow rate <i>Débit</i> Portata	Dimensions for transport <i>Dimensions pour transport</i> Dimensioni per il trasporto		
				Height <i>Hauteur</i> Altezza	Width <i>Largeur</i> Larghezza	Length <i>Longueur</i> Lunghezza
TECNO 2-100 LT	2	~13 m ³	~100 m ³ /h	2,80 m	2,44 m	9,60 m
TECNO 3-100 LT	3	~12 m ³	~100 m ³ /h	2,80 m	2,44 m	11,80 m
TECNO 4-100 LT	4	~12 m ³	~100 m ³ /h	2,80 m	2,44 m	13,50 m

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				Height <i>Hauteur</i> Altezza	Width <i>Largeur</i> Larghezza	Length <i>Longueur</i> Lunghezza
TECNO 1-100 LT PLUS	1	~11 m ³	~100 m ³ /h	2,80 m	2,44 m	4,50 m
TECNO 2-100 LT PLUS	2	~11 m ³	~100 m ³ /h	2,80 m	2,44 m	9,60 m
TECNO 3-100 LT PLUS	3	~11 m ³	~100 m ³ /h	2,80 m	2,44 m	12,40 m
TECNO 4-100 LT PLUS	4	~11 m ³	~100 m ³ /h	2,80 m	2,44 m	13,60 m

INDEPENDENT BINS (FOR RECHARGE OF MATERIALS DURING THE DOSAGE) AND POSSIBILITY OF FULL GALVANIZATION
CUVES INDÉPENDANTS (POUR CHARGEMENT DU MATÉRIEL PENDANT LE DOSAGE) ET POSSIBILITÉ DE GALVANISATION COMPLÈTE
VASCHE INDIPENDENTI (PER RICARICA MATERIALE DURANTE IL DOSSAGGIO) E POSSIBILITÀ DI ZINCATURA COMPLETA



TECHNICAL ASSISTANCE

Assistance technique Assistenza tecnica

SPECIALISED TECHNICIANS

Specialised technicians are available to our customers for the installation and start-up of our machinery and qualified multilingual personnel is available for direct and immediate post-sales assistance. Do you need a repair? With our dealers we will be available to offer assistance anywhere throughout the world.

TECHNICIENS SPÉCIALISÉS

Nous mettons à disposition de nos clients des techniciens spécialisés pour l'installation et la mise en marche de nos machines et un personnel qualifié multilingue pour une assistance après-vente directe et immédiate. Vous avez besoin d'une réparation? Avec nos revendeurs, nous serons à votre disposition pour offrir une assistance n'importe où dans le monde.

TECNICI SPECIALIZZATI

Mettiamo a disposizione dei nostri clienti tecnici specializzati per l'installazione e l'avviamento dei nostri macchinari e personale qualificato multilingua per un'assistenza post-vendita diretta e immediata. Avete bisogno di una riparazione? Insieme ai nostri dealer saremo a vostra disposizione per offrire assistenza in ogni luogo e in ogni parte del mondo.

REPLACEMENT PARTS

A structured help network and quick and reliable supply of replacement parts are a priority for us as is assistance with the plants and machines we provide for their entire lifetime.

PIÈCES DE RECHANGE

Un réseau d'assistance structuré et un service de pièces de rechange fiable et rapide sont pour nous une priorité, de même que le sont l'assistance pendant toute la durée de fonctionnement, au fil des ans, des centrales et des machines que nous fournissons.

RICAMBI

Una rete di assistenza strutturata e un servizio di fornitura ricambi affidabile e veloce sono per noi una priorità, così come lo sono l'assistenza per l'intera durata di esercizio, negli anni, degli impianti e delle macchine da noi forniti.



REMOTE ASSISTANCE

Thanks to our new remote assistance system we can verify the condition of our machinery at any time and anywhere, often managing to quickly identify the problem and intervene through a simple internet connection. And finally, with a warehouse with over 800 m² dedicated exclusively to storing components, we can respond to our customers' requests quickly and efficiently.

ASSISTANCE À DISTANCE

Grâce aux nouveaux systèmes d'assistance à distance, nous pouvons vérifier l'état de santé de nos machines à tout moment et partout où elles se trouvent, arrivant souvent à identifier le problème et à intervenir, de façon rapide, à travers une simple connexion internet. Enfin, grâce à un entrepôt de plus de 800 m² dédiés exclusivement au stockage des pièces détachées, nous sommes en mesure de répondre aux demandes de nos clients rapidement et efficacement.

ASSISTENZA REMOTA

Grazie ai nuovi sistemi di assistenza remota possiamo verificare lo stato di salute dei nostri macchinari in ogni momento ed ovunque essi siano, riuscendo spesso ad individuare il problema e ad intervenire, in modo rapido, tramite una semplice connessione ad internet. Infine, grazie a un magazzino di oltre 800 m² dedicati esclusivamente allo stoccaggio dei componenti, siamo in grado di rispondere alle richieste dei nostri clienti con estrema tempestività ed efficienza.

WE BUILD LASTING RELATIONSHIPS

Nous construisons des relations durables
Costruiamo relazioni durature

SKILL AND PROFESSIONALISM

We have been working for over 20 years in the international field, welcoming challenges and creating ever more ambitious and innovative projects. This was and still is possible due to our dealers, companies and employees who every day offer their passion, skill and professionalism to our customers.

BUILDING THE FUTURE

We believe in the importance of lasting relationships and we continue to seek groups throughout the world who, like us, want to build solid foundations for tomorrow.

COMPÉTENCE ET PROFESSIONNALISME

Nous travaillons depuis plus de 20 ans au niveau international, en relevant les défis et en réalisant des projets toujours plus ambitieux et innovateurs. Et si tout ceci a été et sera encore possible, c'est aussi grâce à nos revendeurs, aux entreprises et aux personnes qui mettent chaque jour passion, compétence et professionnalisme au service du client.

CONSTRUIRE LE FUTUR

Nous croyons en l'importance des relations durables et nous continuons à chercher, dans le monde, des groupes qui comme nous veulent construire, aujourd'hui, des bases solides pour le monde de demain.

COMPETENZA E PROFESSIONALITÀ

Lavoriamo da oltre 20 anni in campo internazionale, accogliendo sfide e realizzando progetti sempre più ambiziosi e innovativi. E se tutto questo è stato e sarà ancora possibile è anche per merito dei nostri dealers, aziende e persone che mettono ogni giorno passione, competenza e professionalità al servizio del cliente.

COSTRUIENDO IL FUTURO

Crediamo nell'importanza delle relazioni durature e continuiamo a cercare, nel mondo, gruppi che come noi vogliono costruire, oggi, solide basi per il mondo di domani.

A close-up, low-angle shot of a metal grate, likely part of a staircase or industrial equipment. The grate consists of a series of parallel metal bars. A bright red horizontal line is superimposed over the top left portion of the image. The background is blurred, showing a dark, industrial setting.

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utranazz 'The Concrete Equipment Specialist'

utranazz

Utranazz House, Tingewick Road Industrial Park,
Buckingham, Bucks. MK18 1SU

Tel: +44 (0) 1280 820 770 Fax: +44 (0) 1280 823 500
Email: info@utranazz.com Web: www.utranazz.com

APPENDIX 3

Riley Mixed Concrete Management System



Supporting Statement to Permit Application

Permit Application: Mobile Concrete Batching Plant

Plant Type: Concrete Batching Plant



Contents:

1. The Application
2. The Applicant
3. Application site
4. Hours of operation
5. Plant operation
6. Material storage
7. Maintenance and plant inspections
8. Dust
9. Mud and debris



1. The Application

This application seeks to gain an Environmental Permit for the operation of a mobile concrete batching plant. This is a process that requires authorizing by the local authority under The Pollution Prevention and Control (England and Wales) Regulations 2010 (as amended).

2. The Applicant

The Applicant Company is Riley Mixed Concrete Ltd. Riley Mixed Concrete Ltd are an established supplier in the Midlands. The company specializes in the supply of Ready-Mix concrete.

3. Application Site

The mobile concrete batching plant will be solely used on Riley Mixed Concretes premises.

4. Hours of Operation

The operating times of the batching plant will be those times that have been approved through the Planning Permission for the site where it is being used.

5. Plant Operation

Operation of a concrete batching plant is a process whereby cement is mixed with coarse aggregate (graded stone) and fine aggregate (sand) as well as with water, to mix the various ingredients to form concrete.

Concrete batching plants can be divided into the following parts:

- Aggregate feeding
- Powder feeding (fly ash, cement and expanding agent)
- Water
- Admixture for mixing the materials
- Conveyance and storage.

The process of manufacturing ready mixed concrete is a relatively straightforward process and it relies upon having robust quality standards and systems; this is to ensure that the products have the correct constituents in the correct proportions in the final mix. The following table provides an easy step by step guide to the main elements of the process.



Step	Process
1	The constituent parts of the final product are delivered to site. They comprise of; • Aggregates (Sand and Gravel) • Cement, which, is brought to site in specialist tankers and discharged in to silos • Admixtures, Non- hazardous modified organic materials (liquid)- added to improve its workability, strength and resistance to freezing • Water
2	Aggregates are taken from the storage bays by a rubber tyre loading shovel and fed in to the aggregate hoppers
3	Aggregate, in the correct proportions, is then fed via the aggregate's conveyor in to the loading head, where it is fed in to the mixer lorry with Cement, Water and Admixtures.
4	The truck mixer then leaves to deliver its load of ready mixed concrete

6. Material Storage

Aggregates are brought in to the site in tipping vehicles and the material will then be stored in designated bays within the site. The material will then be delivered to the batching plant using a loading shovel. Other materials that are stored include the following;

Cement - Delivered to the site by road tankers and pneumatically pumped in to the storage silo. The displaced air is exhausted through a reverse air jet filter at the top of the silo's as well as through the delivery tankers which are designed to prevent any discharge of material to the atmosphere. The filter is kept clear by a pulse of air which blows accumulated material back in to the silo. The silo is fitted with an audible alarm that is activated when the cement reached the predetermined level in the silo. This also activates an indicator light, warning the tanker driver that the silo is nearly full. Under air quality regulations a permit to operate the plant is required from the local authority, which forms this application.

Admixtures - These liquids are delivered to site in IBC containers which are sealed or are pumped out from the delivery vehicle into relevant tanks.

7. Maintenance and Plant Inspection

Staff that are operating the plant have received appropriate training in the process, maintenance and performance of the plant. They complete a daily inspection of the plant and the operation; these inspections are recorded on the weekly site inspection sheet. A copy of the sheet is included in Appendix 2, Dust Control Measures.



To help reduce unexpected plant failures a third party is employed to carry out a 3 monthly independent inspection of the plant and its operation. The inspection will be carried out in accordance with the Maintenance schedule as published by the manufacturer. A copy of the maintenance schedule is attached in Appendix 2.

8. Dust

As part of the site inspections, the facility is inspected on a daily basis for the emissions of dust. The inspection is recorded daily on the weekly site inspection sheet. The potential for dust generation will be from either the aggregate storage bays or the ready-mix concrete plant.

Aggregate storage bays;

Should dust be seen to be generated the storage bays, water will be applied to the bays to limit the generation of wind-blown dust.

Ready-mix Concrete Plant;

There are 2 areas of potential dust release from the concrete processing plant which are shown on the cement

delivery discharge shown in Appendix 2. These 2 are as follows;

- Area 1 - Cement Bulker delivery in to the silo's
- Area 2 - Cement Discharge Head

The documents contained in Appendix 2 set out the control measures to limit the potential for dust release from the two areas named above. The titles of said documents can be seen below:

Area 1- Instructions For Cement Delivery Drivers

Area 1 - Reverse Jet Filter

Area 1 - Emergency Procedures - Cement Powders

Area 2 - Weekly Site Inspection report

Area 2 - Preventative Maintenance Plant Inspection report

Area 2 - Emergency Procedures - Dust Emissions

9. Mud and Debris

Good housekeeping procedures shall prevent the accumulation of mud and debris at the site. However, in the event that mud and debris does accumulate on vehicle wheels, then they will be cleaned as necessary with a hose and/or brush in order to maintain the cleanliness of the public highway.



APPENDICES

APPENDIX 1- MOBILE CONCRETE BATCHING PLANT DRAWING

APPENDIX 2 - DUST CONTROL MEASURES

APPENDIX 3 - RILEY MIXED CONCRETE GENERAL OPERATION

APPENDIX 4- ENVIRONMENTAL IMPACTS

APPENDIX 5- PROPOSED SITE LAYOUT

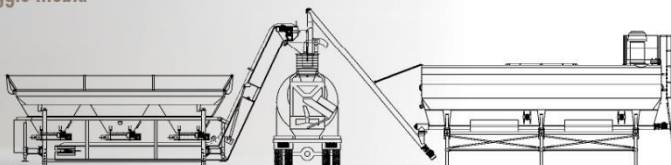
APPENDIX 6 – RILEY MIXED CONCRETE TRAFFIC MANAGEMENT PLAN

APPENDIX 1

MOBILE CONCRETE BATCHING PLANT DRAWING – Sami 3 bin mobile batching plant

Mobile concrete batching plants

Centrales à béton mobiles
Centrali di betonaggio mobili



Technical data

Données techniques
Dati tecnici

17

	N. bins N. cuves N° vasche	Aggregate storage capacity Capacité de stockage granulaires Capacità di stoccaggio inerti	Flow rate Débit Portata	Dimensions for transport Dimensions pour transport Dimensioni per il trasporto		
				Height Hauteur Altezza	Width Largeur Larghezza	Length Longueur Lunghezza
TECNO 2-60	2	~8 m³	~60 m³/h	2,80 m	2,44 m	7,00 m
TECNO 3-60	3	~8 m³	~60 m³/h	2,80 m	2,44 m	9,60 m
TECNO 4-60	4	~8 m³	~60 m³/h	2,80 m	2,44 m	11,80 m

	N. bins N. cuves N° vasche	Aggregate storage capacity Capacité de stockage granulaires Capacità di stoccaggio inerti	Flow rate Débit Portata	Dimensions for transport Dimensions pour transport Dimensioni per il trasporto		
				Height Hauteur Altezza	Width Largeur Larghezza	Length Longueur Lunghezza
TECNO 2-100	2	~13 m³	~100 m³/h	2,80 m	2,44 m	9,60 m
TECNO 3-100	3	~12 m³	~100 m³/h	2,80 m	2,44 m	11,80 m
TECNO 4-100	4	~12 m³	~100 m³/h	2,80 m	2,44 m	13,50 m

	N. bins N. cuves N° vasche	Aggregate storage capacity Capacité de stockage granulaires Capacità di stoccaggio inerti	Flow rate Débit Portata	Dimensions for transport Dimensions pour transport Dimensioni per il trasporto		
				Height Hauteur Altezza	Width Largeur Larghezza	Length Longueur Lunghezza
TECNO 1-100 PLUS	1	~11 m³	~100 m³/h	2,80 m	2,44 m	4,50 m
TECNO 2-100 PLUS	2	~11 m³	~100 m³/h	2,80 m	2,44 m	9,60 m
TECNO 3-100 PLUS	3	~11 m³	~100 m³/h	2,80 m	2,44 m	12,40 m
TECNO 4-100 PLUS	4	~11 m³	~100 m³/h	2,80 m	2,44 m	13,60 m

INDEPENDENT BINS (FOR RECHARGE OF MATERIALS DURING THE DOSAGE) AND POSSIBILITY OF FULL GALVANIZATION
CUVES INDEPENDANTES (POUR CHARGEMENT DU MATERIEL PENDANT LE DOSAGE) ET POSSIBILITE DE GALVANISATION COMPLETE
VASCHE INDIPENDENTI (PER RICARICA MATERIALE DURANTE IL DOSSAGGIO) E POSSIBILITA' DI ZINCATURA COMPLETA



APPENDIX 2

DUST CONTROL MEASURES

Potential Emission Sources and Control

The mobile concrete batching plant has been designed and developed to the highest British standards, the Sami mobile cement silo is the latest innovation on the mobile range market for the concrete production industry. It has been identified that within the design of the plant the risk of dust emissions from the start-up of the plant will be negligible. However, if there were to be emissions to atmosphere there are 2 distinctly separate stages within the process where an emission source may originate.

The two separate stages of the plant are as follows;

- Silo's and cement discharges
- Cement discharge head

Silo and Cement Discharge

There is potential risk of dust emissions to atmosphere whilst cement is discharging from the delivery bulker to the cement storage silos. To minimize the potential impact from this activity the company has developed procedures called "instructions for cement tanker driver". See attached.

These procedures require the tanker driver to stay with the vehicle throughout the entire delivery. Though having this control measure in place, a driver would be able to identify, at an early stage, if there was a dust emission and he would be able to either stop the emission or be able to raise an alarm.

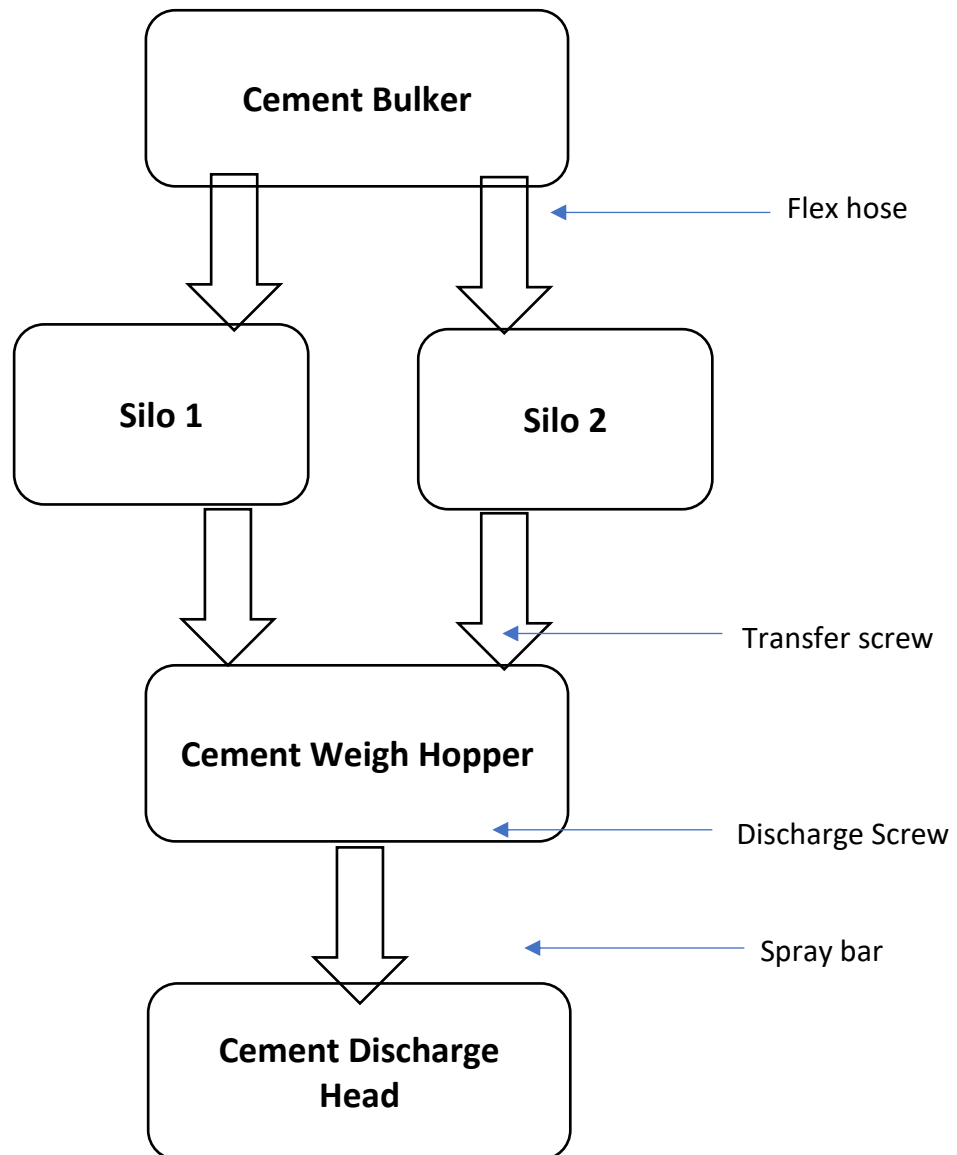
Dust may be released from the silo whilst a delivery is being made. On top of each silo is a cylindrical shaped dust collector for venting of the pneumatically filled silos. Dust is separated from the air flow by the filter elements and drops back in to the silo via an automatic reverse air jet cleaning system which removes the dust from the filter elements. In the event of an unplanned release of dust to atmosphere, the company has developed emergency procedures for the control of cement powders to atmosphere. These procedures are trained out to all staff operating the plant.

Cement Discharge Head

The potential for dust emissions from the discharge head has been considered in the design of the plant lay out with the discharge sock being contained within a paneled area open on one side. Lorries back into the open side for loading and the mix is discharged within the paneled area. Emissions from the open side are controlled by use of a water spray bar which is fitted as part of the dust suppression system. The operators of the plant have daily



checks regarding the plant operation, included in these checks is a requirement to check for dust emissions. To assist in the maintenance of the plant and thereby reduce the potential release of dust emissions, a third-party contractor is employed to inspect the plant. Through the routine third party inspection of the plant, the company is able to carry out planned preventive maintenance. In the event of a dust emission there is a procedure to be adopted which covers dust emissions other than cement or PFA.





Instructions for cement tanker drivers

1. All drivers must report to the plant supervisor before delivery commences who will activate the silo protection system.
2. The driver must stay with the vehicle throughout the entire delivery.
3. Ensure that the product on the delivery ticket matches the silo fill pipe label
4. Discharge at less than the maximum pressure of 12 PSI
5. In the event of an alarm or an emission discharge you must stop immediately and report to the plant supervisor.
6. Discharge must not recommence until authorisation is given by the plant supervisor
7. On completion of the delivery DO NOT vent tanker pressure through the silo
8. When delivery is complete report back to the plant supervisor.

ALL EMISSIONS MUST BE REPORTED TO THE PLANT SUPERVISOR IMMEDIATELY.

EMERGENCY PROCEDURE - DUST EMISSIONS

THIS PROCEDURE COVERS DUST EMISSIONS OTHER THAN CEMENT OR PFA

- Source of emission to be identified and appropriate action to be taken to prevent further escape
- Source areas for escape such as the yard or stockpiles are to be treated with water suppression as deemed appropriate
- Good housekeeping is to be employed to prevent build up which could lead to dust emissions to the atmosphere
- Operations team to be informed of any major dust emissions
- All emissions to be recorded in Daily Environmental Log including preventative action.



APPENDIX 3

RILEY MIXED CONCRETE GENERAL OPERATION

RILEY MIXED CONCRETE GENERAL OPERATION

AGGREGATE DELIVERIES:

- Lorries arrive at pre-determined time and enters via gate
- Driver reports to Batch Cabin on site who will back the lorry into position at the appropriate storage bay. Having confirmed all is safe, the lorry will tip material into the bay
- A loading shovel assists with the movement of the material, moving the material from the place that it is initially dropped to ensure all material is contained within the bay
- The bays are marked with boards clearly stating the material in order to avoid any cross contamination of materials.
- The material is now ready to be loaded by loading shovel into the bins on the plant .

Batching Of Readymix Concrete:

- Aggregate bins will be loaded with 0/4mm washed concrete sand, 0/4mm dust, 20mm stone or 10mm stone. They will be loaded via the wheeled loading shovel.
- The concrete mixer lorry will be reversed in to position under the loading chute on the batching plant.
- The water hose will be connected to the side of the lorry and the external water pump will be switched on to fill the lorry's water tank.
- The mixer driver will switch on the vehicle's PTO, raise the revs and spin the drum backwards to allow the loading of the concrete.
- The required mix and quantity is selected on the batch computer by the batcher.
- The batching plant weighs out the required quantity of aggregates, cement, water & admixtures.
- The admixtures we will stock will be; plasticiser, water reduction agent, rapid set accelerant, water proofing and foam concrete admixtures. These will all be specific to the customer's needs.
- The constituent parts travel along the conveyor belt in to the mixing pan on the batching plant where they mixed for the required amount of time. The timings are predetermined by the batch computer on the plant.
- When the concrete is fully mixed it is dropped from the mixing plant in the drum on the lorry.
- Once the full amount of concrete is in the drum and the water drum is full, the lorry is ready to leave the depot to make the delivery.



Loading Of Concrete Drum Mixers:

- The mixer lorry reverses under the drop chute on the batching plant.
- The mixer driver puts the lorry in PTO, raises the revs and turns the drum to reverse spin in order to load the lorry correctly.
- The driver attaches the water hose to the side of the lorry and turns on the external water pump to fill up the water tank on the mixer.
- The driver is to confirm with the batcher the delivery address and plan their route to the delivery address.
- The driver is to be mindful of passing schools and avoid particularly busy routes, if possible, and pay particular attention to routes used by vulnerable road users.
- Once the batch process is complete the driver is to wash the loading chute on the lorry to make sure that no concrete splatters are left from the loading process and left to dry.
- The driver drives out of the plant and proceeds to the delivery address.
- The lorry is to arrive at site and pour the concrete within 2 hours of the concrete being batched.

Bulk Cement Deliveries:

- Riley Mixed Concrete plan on having two silos in place each with a capacity of 50 tonnes.
- The batch programme will tell us the stock levels of both silos to the nearest 10 kilograms.
- When the silo's are reaching a low level we order a bulk delivery via Heidelberg
- The delivery date and time is requested. We are able to request a delivery time and date according to the loading schedule of our fleet in order to minimise disruption to our workforce.
- We always order bulk cement in 30 tonne loads so as to minimize the number of road journeys we are responsible for as a company and to ensure we receive the best value for money.
- The artic lorry arrives at site and the driver is requested to report to the main office to sign in and to ensure that the silo is ready for filling.
- The weigh clock is checked again to make sure that the full delivery will go in to the silo and rule out the risk of overfilling the silo.
- The tanker driver connects the delivery pipeline to the tanker and silo.
- The tanker driver prepares the silo and tanker for delivery by opening the delivery fill pipe on the silo by flicking the appropriate switch and charging the tanker with the correct air pressure.
- The delivery of cement commences when the driver is satisfied all the checks are complete.
- On completion of the delivery the driver disconnects the delivery pipeline and stores it away on the trailer.
- The delivery driver then reports back to the office to complete the required paperwork and get the ticket signed.
- The tanker leaves the yard

**Riley Mixed Concrete HGV Fleet:**

Riley Mix currently run a fleet of 5 Drum mixers. The vehicles are

3x Mercedes Cab and Chassis

1x Renault Cab and Chassis

1x DAF Cab and Chassis

Riley Mix Yard Bays:

All of the bays in the yard are made from precast concrete blocks backed with concrete panels. The blocks are 2400mm X 600mm X 600mm in size and have a weight of approx. 2 tonnes. They are put in place using our loading shovel. The bay walls are made to a height of 3.6 metres with the stock pile of aggregate within the bay to a maximum of 3 metres. The bays are designed to be wide enough for the tipping vehicles to reverse in to and deposit the aggregates safely and avoid any cross contamination with other materials. Where needed, the bays will be made wider to accommodate more materials based on the demand of each product.

Riley Mix Traffic Management:

Riley Mix have developed a traffic management plan in order to create an efficient and safe workplace. Drivers are required to receive a site induction warning of the dangers of moving machinery and instructed that moving plant and machinery always takes right of way. They are required to sign a register to say they have received and understood the briefing. They receive a traffic management plan to keep in the lorry in case they are unsure of the correct procedure for the depot. The briefing will be given each time an amendment is made to the traffic management plan and the update will be distributed through our supply chain and customers.

Dust and emissions suppression:

We have a hose and sprinkler available to stop airborne dust arising from aggregates stored in bays and any loose dust arising from the ground. Where there may be particularly dusty times we will ask the yard operatives to hose down the ground and aggregate bays. We also use a rotating brush on the loading shovel to clean the yard and approach road. This system means we have very little environmental issues from our loose aggregate storage and general operation. Our cement silos have a self-venting system which blows pulses of air back in to the silo for 30 minutes after filling, cleaning the air filters leaving them clean and free of harmful emissions.



APPENDIX 4

RILEY MIXED CONCRETE ENVIRONMENTAL IMPACTS

RILEY MIXED CONCRETE POTENTIAL ENVIRONMENTAL IMPACTS

NOISE:

- Loading of aggregate bins on the batching plant.
 - Noise from the mixing pan on the batching plant
 - Reverse beepers on the lorries
 - Machinery moving around the depot
 - Noise from vehicle engines as the concrete mixers increase revs to load concrete
- The above mentioned noise pollution is commonly associated with the production of ready mix concrete using a dry batch plant. We do not currently have any residential properties close to the depot which would be affected by the production of readymix concrete.

DUST:

- Movement of plant & Machinery moving dust from the ground
 - Movement of lorries around the yard moving dust from the ground
 - Potential dust emissions from the bulk cement delivery and loading of silos.
 - Potential dust emissions from the loading of aggregate bins, particularly sand.
 - Potential dust emissions from the movement of aggregates along the conveyor belt to mixing pan
- the above mentioned dust emissions are commonplace amongst the usual practice of batching concrete. We have a robust dust suppression system in place and have sprinklers available in our yard meaning the residual dust emissions from the movement of plant and machinery is minimal. We have a spray bar fitted at the discharge point on the plant to ensure any dust is contained within the operating structure and not discharged into the atmosphere.

Our cement delivery emissions will also be minimal due to us only using Heidelberg as our cement provider and the robust training system they currently employ for their tanker drivers and our own silos having various safety features. These include visual and audible overfilling alarms and automatic cut off. The dust from the movement of aggregate along the conveyor belts is minimal due to the belts being enclosed from the hoppers to the mixing pan.



APPENDIX 5 PROPOSED SITE LAYOUT

