



A new generation of complete plants, for the highest valorisation of your recycled materials.



SAVE SAND

BY **ns**



*Building tomorrow's infrastructures
with the yesterday's materials!*





SAND DOES THAT MEAN ANYTHING TO YOU ?

So far, quarry waste rock, as well as construction and demolition waste are mostly considered as Waste.

However, spoils have a major asset: the sand. This natural resource, contained in concrete, is becoming increasingly depleted and scarce. But we still need it for new construction !

Waste you generate can become a valuable asset! There are indeed solutions for recycling. Make the most of your recycling and create a new source of income. Make your waste management more responsible, sustainable and cost-effective.

To be involved in your entire process, **BUILD BETTER BY MS** offers the new range of **SAVE SAND** equipment.

TARGETS



Increase your comparative advantage

Give yourself the opportunity to develop your strategy and increase your performance through the reuse of cheaper resources as part of the circular economy.



Matching the planet's resources

Protect nature by reducing the use of non-renewable resources and promoting the recycling of your waste and the reuse of water.

CURRENT CHALLENGES



Construction and demolition waste

In the EU, the waste generated by this sector represents the largest waste stream. Moreover, the **sand** in the latter is a resource that is becoming increasingly scarce while its use is still increasing. Wherever concrete is needed, sand is also needed. On the other hand, we find it in many of our daily equipment (smartphones, electronic devices, ...). Its use has environmental and economic consequences.

According to the *trademachines* report, 90% of beaches will have disappeared by **2100**.

Water is also involved in the treatment and recovery of sand through the washing process. We use it because, without this cleanliness of the materials, we would have low quality concrete and not very durable constructions. This cleanliness is therefore a necessary but worthwhile investment.

The 2nd most exploited resource in the world is becoming increasingly scarce. This problem leads to drought and worsens pollution.

Finally, among the **270 millions** tons of construction waste, **60%** are recycled but only cover **20%** to **30%** of the needs of the construction industry in France, according to the reports and guidelines of RECYBÉTON.

The construction sector is involved in 50% of the world's exploitation of non-renewable resources



We use 40-50 billions tons of sand per year worldwide in the construction sector alone.

« The greatest danger to our planet is the belief that someone else will save it »

Robert Swan

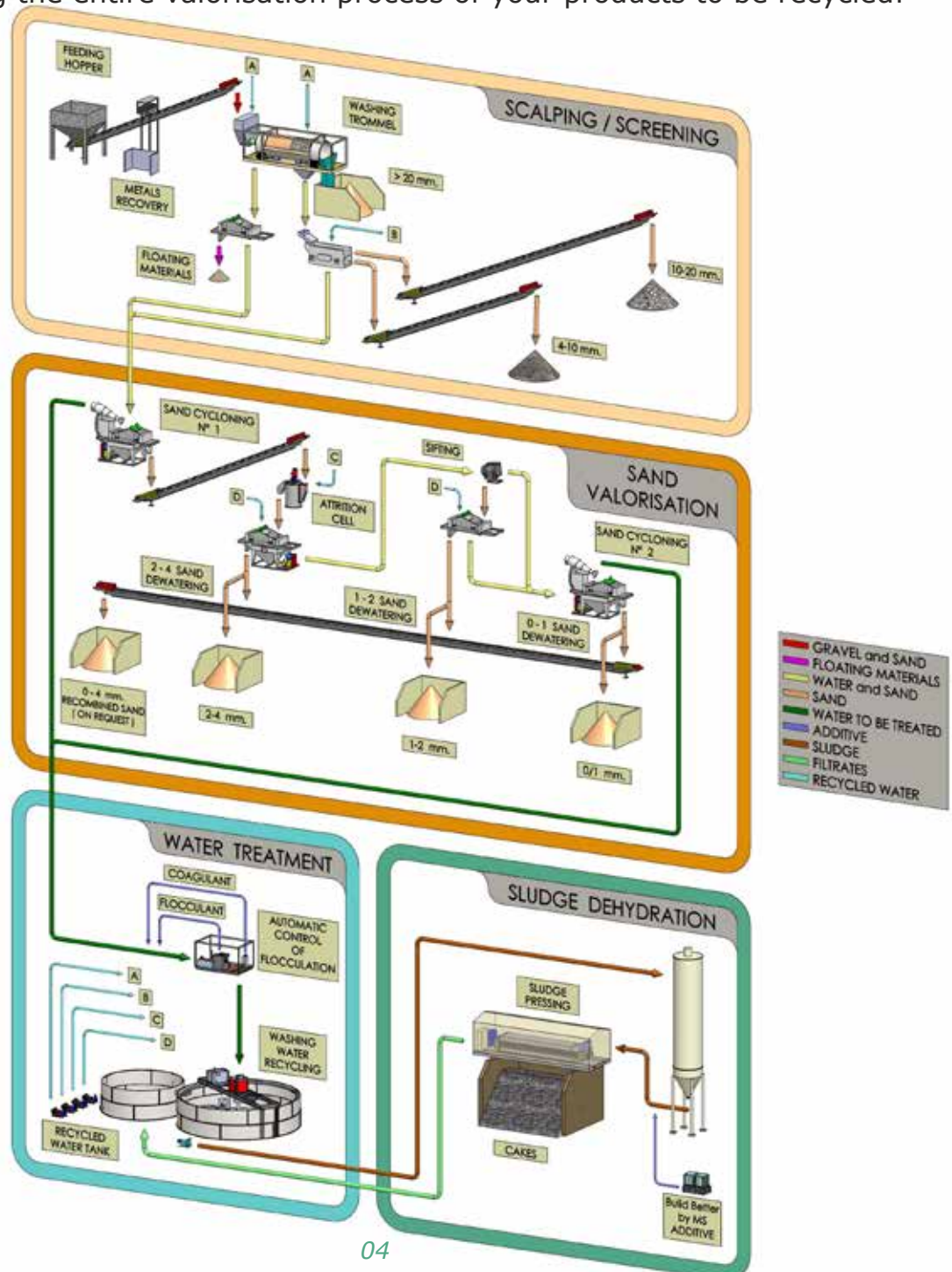
Everyone has the power to make a difference.

You have the opportunity to make from your operations a double performance and can now make your actions more profitable and ecological.

The new **SAVE SAND** range gives you the means to do this. Choose sustainable equipment to be able to :

- transform your outgoing waste into added value
- preserve the environment by meeting today's challenges.

Thus, for the first time in this sector, we are providing a single, global offer covering the entire valorisation process of your products to be recycled!



**Your good deed
action starts
here...**



Choose adjusted and designed equipment, according to you specific needs

The **SAVE SAND** range covers all the equipment operating for the treatment of your outgoing spoils in a qualitative process while preserving the water used for such treatment. You can also make the transport of sludge more economic by dewatering it.



This mineral processing allows the production of clean, consistent quality concrete sand and clean gravel.

Thus, the **SAVE SAND** range (50 t/h, 100 t/h, 150 t/h et 200 t/h) is the only one that allows to :

- **Produce 4/10 and 10/20 concrete quality gravel**
- **Target a grain size range that can be adjusted according to your needs** (fineness modulus according to your request & special sands)
- **To achieve an optimal sand cleaning in terms of blue Methylene value**
($\leq 1,0$)



- De-agglomerate and attrition of materials
- Scalping at 20 mm
- Backflow system for the recovery of floating materials

The screen is directly set under the trommel in order to :

- avoid the transportation issue of materials that would be too wet
- Limit the ground surface area
- Reduce the cost with a compact installation

OPTIONAL STEPS



SEPARATION

Your spoils, coming from various sources, may contain more or less sand, scrap metal, clay, plastic, concrete, fines, cardboard, polystyrene etc...

Despite the variation, you will produce consistent grain size and quality material. In order to meet your expectations, **OPTIONAL** steps are also available:

PRE-SCREENING

control and regulation of inputs granulometry

OVERBAND

separation of metallic elements

LOGWASHER

removal of clays / light contamination

ATTRITION

advanced screening process for fine grain sizes

Create your own circular economy with wastewater treatment and sludge dewatering equipment

STEP INTO THE GREEN

Your actions can become eco-friendly
You have the power to act for the planet benefit



Clarify your wastewater

Dewater your sludge



WITHIN THE SAVE SAND PLANT

Clarify the wastewater from the washing of materials, to be able to supply all the equipment involved in the process (washing trommel, screens, washers, dewaterers) with quality, recycled water.



The automated treatment with the latest generation of MS thickeners makes this exceptional quality possible. You thus achieve maximum concentration of the sludge before transferring them. Finally, you can remove residual floating materials from the water.

You keep water losses in the sludge to a minimum and can therefore reduce the need for an external top-up. You also avoid the construction of at least one settling tank which is very difficult to clean and takes a lot of

place. The pressing section includes the latest innovation **BUILD BETTER** by **MS** for maximum efficiency and for all types of sludge. Our range therefore enables easier handling and storage of clays.

FACILITATING YOUR APPROACHES

Avoid refilling of wastewater
Facilitate the transport of sludge delivered in the form of dry cakes with an added value potential.

YOUR PROJECT



3D REPRESENTATION OF THE SAVE SAND range



**INSTALLATION ADJUSTED AND
DESIGNED ACCORDING TO
YOUR SPECIFIC NEEDS**

Your future performance



BEFORE

The various aggregate fractions are fully reusable and can be used in all types of applications, including the production of high value-added concrete sand. **BUILD BETTER** by **MS** also adapts to your worksite and our mobile equipment is designed to meet all your needs.



AFTER



Resale of sand and associated income,
choosing your granulometry.
Reduction of sludge transport costs
Reduction of water supply costs

ECONOMIC PERFORMANCE

GREEN TRANSITION

Reuse of washwater
Reduced use of non-renewable resources
Reduced carbon impact on the environment



Why would you choose us?

Company based in Auvergne

Choose a French company, member of the French Fab, which prefers direct purchasing and production. More than 100 employees dedicated to your project.



ISO 9001 Certification

Make sure you have a commitment to quality management and be certain of the conformity of our products and services.

High-tech and flexibility

Your materials are specific, your site is unique. Take advantage of a tailor-made offer and implementation with the best technology for sand recovery.



A global offer

Make your orders easier and deal with one single service provider. Together with the best partners, we cover the entire recycling process for you.

Wide range of services available

MS Training Center to assist you during operation to train your operators, adapted service contracts, remote diagnosis of the installation...





**Managing
huge projects :
Choose THE
Experience**

MS
PROJECT
HRBT
USA

**CHOOSING MS MEANS QUALITY, CONFIDENCE, PERSONALIZED AND
ADAPTED FOLLOW-UP**



OUR APPROACH



“We believe it is our duty for future generations to adopt a more ethical code of conduct in construction industry.”

Let's briefly talk about MS

MS has always aimed to develop adaptive, innovative and valuable solutions, over the past 45 years. Our company has developed a positive and responsible purchasing approach in order to maintain long-term, trusting relationships with our various partners over the long term. As a modern company, we give our R&D department strong support to find solutions to today's challenges.

If you know us, you already know this...but

we want to take concrete action to make the future of our industry more virtuous. This is how **BUILD BETTER** by **MS** was born.

With loyalty, in a true and inspired relationship, we put forward daring and innovative solutions, at the right price, that are totally service oriented.

Our mission: contributing to sustainable constructions while at the same time creating added value. We are the second generation of a family business. We believe in an ethical and respectful code of conduct.

We are MS.

To build a better tomorrow



**UNDERGROUND
WORKS**



**WATER
TREATMENT**



**MINERAL
INDUSTRIES**



RECYCLING



JOIN US !

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