



Massa (MS), Italy, 05th June 2023

Matec Industries are one of the leading suppliers in the world of water treatment and aggregates recycling machinery, and are at the forefront of new technology utilising the recycling of water to treat inert C&D Materials, making them reusable to a quarry standard. To recycle inert soils and C&D materials through a wash plant in the past would have involved the creation of ponds (requiring a large working area) and potentially resulted in the loss of up to 30% of the water used in the process; today this can be done on much smaller footprint with no requirement for settlement ponds whilst recycling up to 98% of all the water use in the process. We are in fact already doing this in the UK today.

We also have the ability to remove micro plastics and organics from the dirty water and by utilising our filter press are able to make the 'silt cake' by-product dry enough for reuse in applications such as a lining clay for ponds. With this method of recycling being entirely self-contained and with up to 98% of the water recycled, it is safe to the environment with no leakage of sludge nor any need for micro trash management. We truly 'partner up' with our clients to make sure the installation and running of the plant is done correctly and safely, and we assist with the design process to ensure that any civil engineering work allows for the inclusion of rain water run-off to also be collected and recycled.

We truly have arrived at the circular economy and are able to give examples of these plants running today in the UK. The positive environmental impacts of these plants include:

- A significant increase in diversion from landfill.
- Reducing the use of quarried primary aggregates.
- The increased use of recycled aggregates throughout the construction chain.

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As well as the environmental benefits, there are discernible commercial benefits to the user:

- Able to maintain productivity all year round with no winter 'drop off'
- Increased job security for employees as no longer weather restricted.
- Stable cashflow as able to service clients all year round.

Kindest regards,

Matec Industries Spa



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