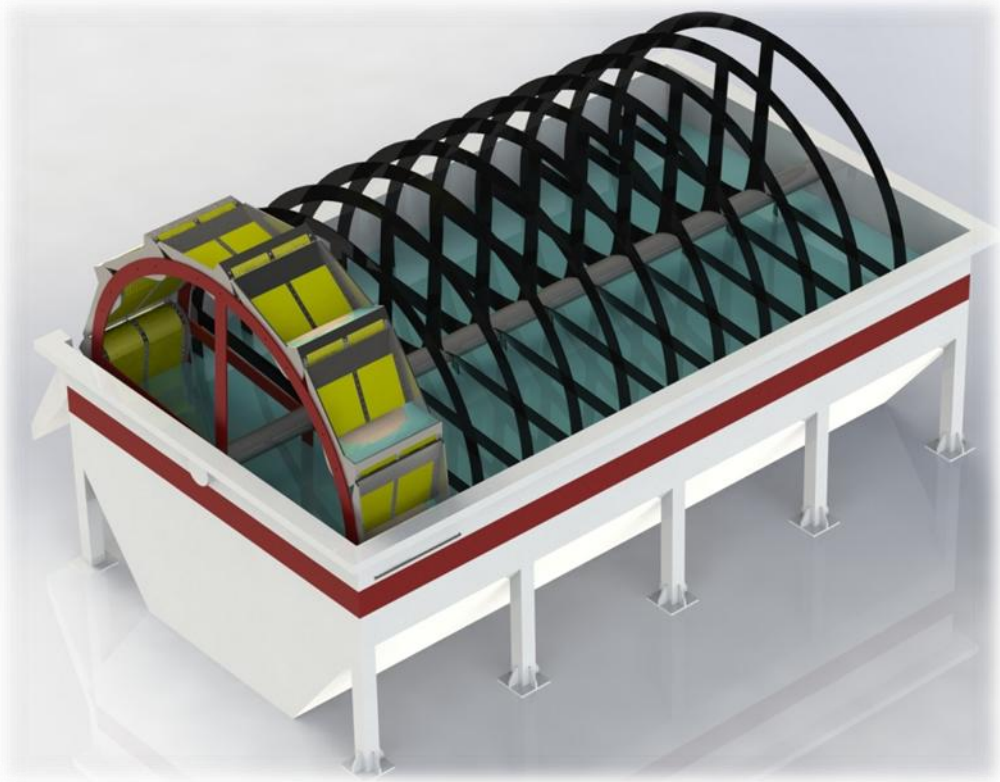
EUROGOMMA

Polyurethane buckets for wheel sand washers

In Sand & Gravel the dewatering process is mostly done by three kind of machines:

- Wheel sand washers
- Hydro cyclones
- Washing screws



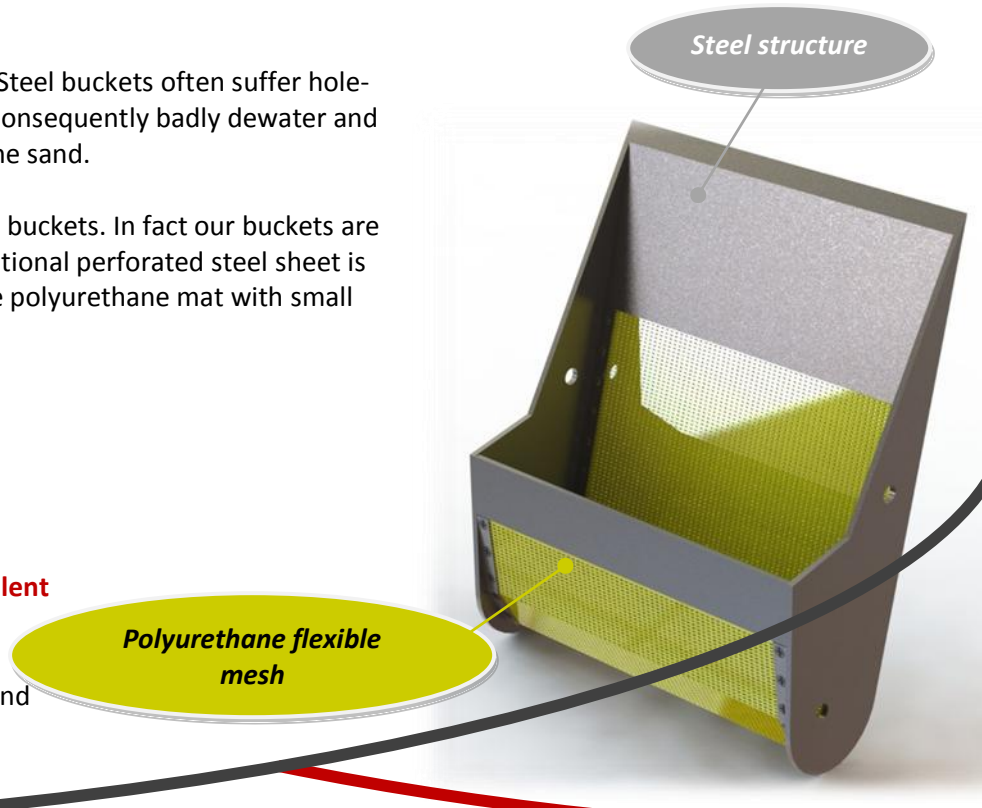
Hydro cyclones represent the last and newest Technology for this process.
In fact these machines guarantee the highest recovery and dewatering of fine sand.
However the usage of Hydro Cyclones involves some tedious problems like frequent maintenance due to the wear of pump parts, cones and dewatering screens together with a high consume of energy feeding the engines.
Washing screws are subjected to consistent wear as well because of the friction between sand and the screw liners.
On the other side wheel washers are free from big wearing and need very few energy to feed their low power engines.

Unfortunately they involve other problems. Steel buckets often suffer hole-blinding (especially with crushed sand) and consequently badly dewater and moreover they guarantee low recovery of fine sand.

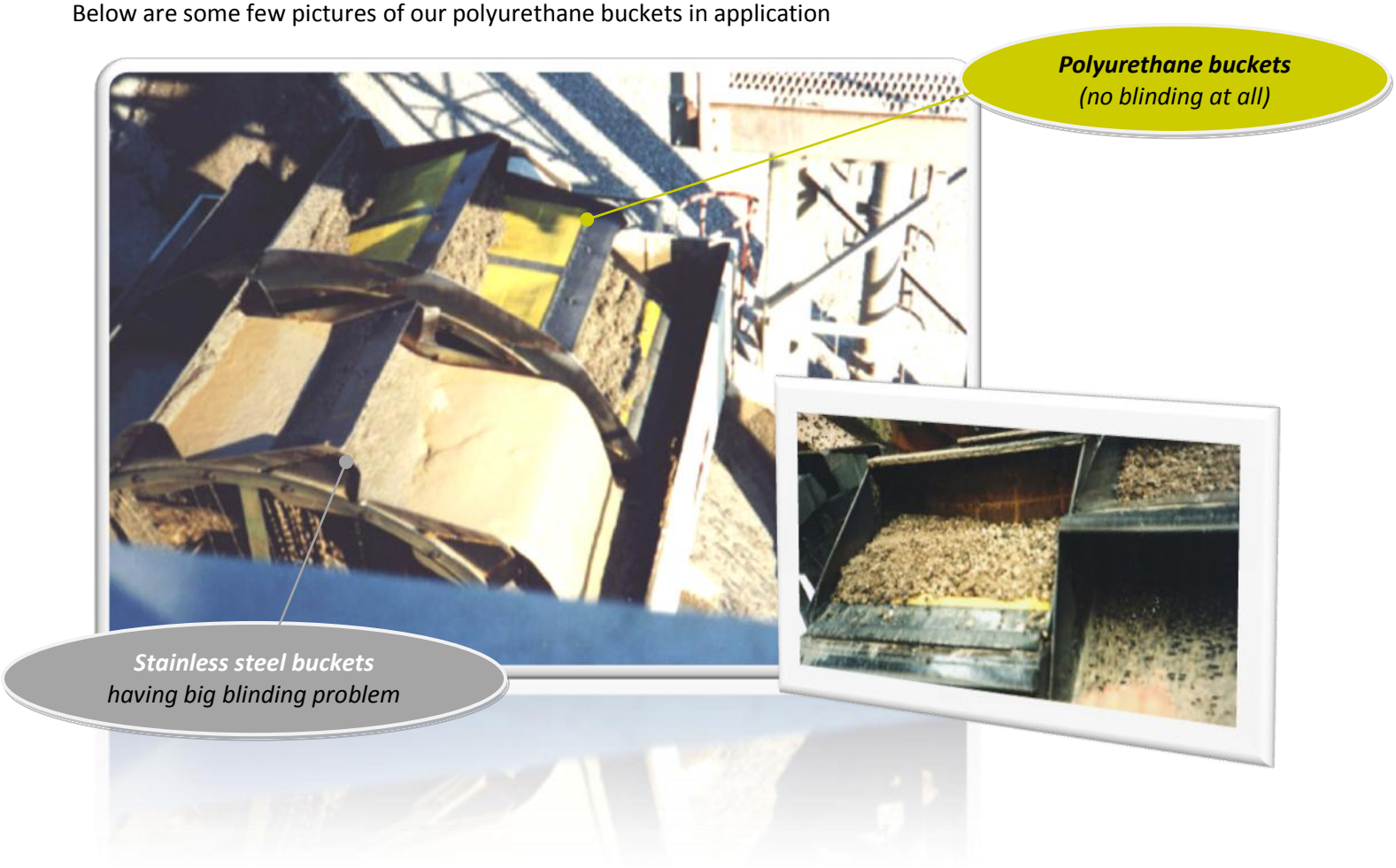
This does not happen with our polyurethane buckets. In fact our buckets are made of structural metal works but the traditional perforated steel sheet is replaced with a thin (5mm thick) and flexible polyurethane mat with small dewatering apertures (2x4mm).

Therefore our solution offers the following operative performances:

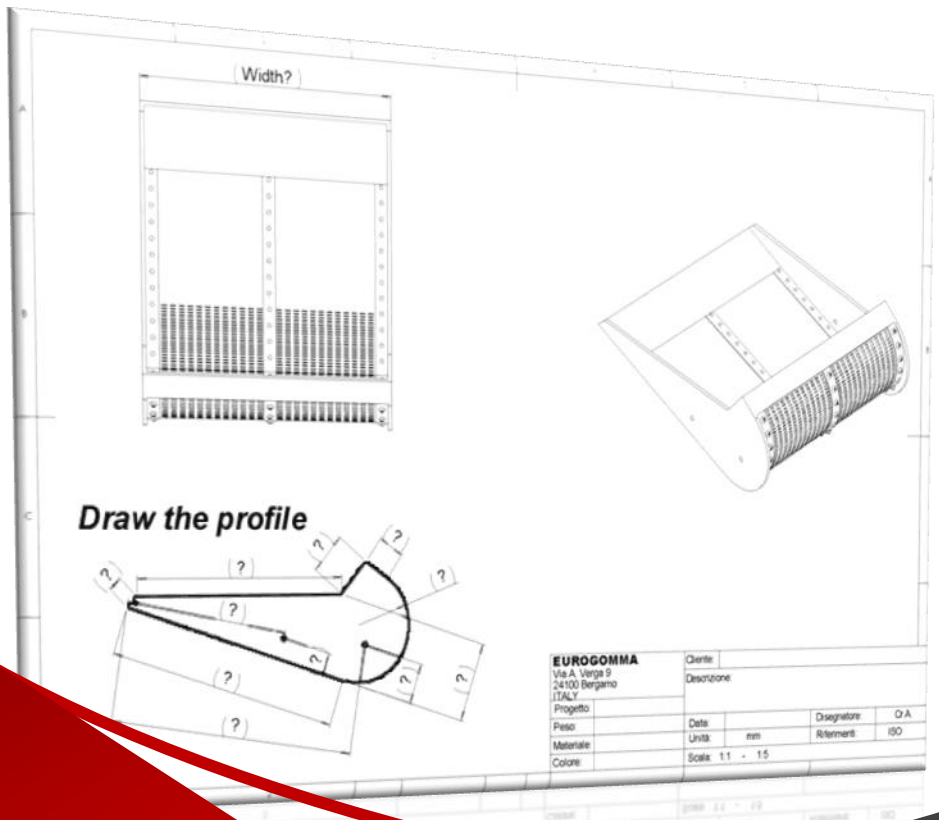
- **Highest recovery of fine sand** (60%-70% more than steel buckets)
- **No hole-blinding with consequent excellent dewatering**
- **Constant particle size** – thanks to the combined recovery of coarse and fine sand
- **Long life**



Below are some few pictures of our polyurethane buckets in application



In case of interest please transmit us your inquiry indicating bucket width together with drawing of the side profile in order to let us propose our best product



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