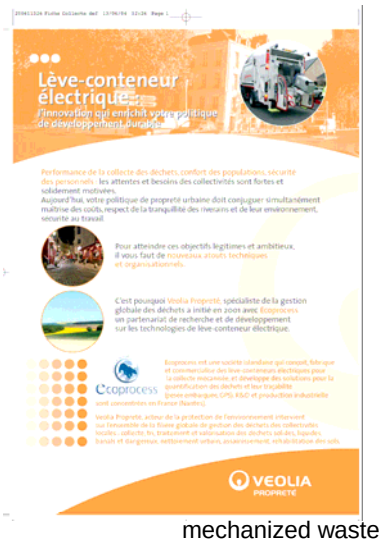
From Veolia Propréte Head offices for services to local authorities, France

(Direction des Services aux Collectivités Locales France)



Electric Bin lift
The innovation that enhances your policy on sustainable development

Performance in the collection of waste, comfort of the habitants and safety of the staff; these expectations and needs of local authorities are firm and strongly motivated.
Today your policy on urban cleanliness (*incl. waste collection*) must combine simultaneously the mastering of cost, the comfort of the habitants, the respect of the environment, and the safety at work.
For these legitimate and ambitious objectives, you need new organizational and technical advantages
That's why Véolia Propreté (Onyx, (Véolia Cleanliness in direct translation)), a performing and innovating specialist in the domain of global waste collection, initiated an R&D partnership with Ecoprocess on the technologies of the Ecoprocess electrical bin-lift in 2001.

Ecoprocess is an Icelandic company that designs, produces and sells electric bin lifts for mechanized waste collection, and develops solutions for quantification and traceability (weighing, GPS…) of waste. R&D, industrial production and after sales service are concentrated at Nantes in France.

Véolia Proprete, player in the protection of the environment, operates in all activities of global waste management for local authorities: collection, sorting, treatment and value adding of solid, liquid, and other waste types, hazardous on non hazardous waste, urban cleaning, soil rehabilitation.

Calm, environment, hygiene and cleanliness;
You win (gain) in all these matters

A quieter collection

- Reduction of noise nuisances; the process is particularly well adapted to urban environment
- Elimination of engine rev-ups to drive hydraulic pumps (High RPMs) during bin-emptying cycle
- Silence of the electric motor ; 45db(A) noise level of utilization
- Compaction activated when really needed
- No more hydraulic lifting, thus no more over-revs on the engine during lift-cycle

A better breathing environment

- Reduction of gas emissions
- Works on vehicle batteries
- Reduced fuel consumption by 5-10%, less greenhouse gas emission

A more productive collection

- Increase of the payload
- A Plug and play design that allows adaptation or the changing electric bin lifts in less than 15 minutes.
- The interchangeability allows keeping their wear symmetrical. It takes only 10minutes to change stools, meaning less down-time on vehicles.
- Remote maintenance and remote diagnostics

Enhanced safety for collection teams.

- Anticipating on the strictest European standards, all danger related to the lifts (mechanical scissoring …) have been eliminated
- The system has numerous physical- or optical safety devices integrated to it
- Side fenders with safety flaps that cover the whole work area.
- Doubled Emergency stops on command boxes and on fenders
- Bin-presence sensors on the comb, grip-confirmation sensors and bin lock-sensors.
- Obstacle sensor when descending bins, (immediately stops descent)