

**DULEVO D6 STREET SWEEPER
PRODUCT PRESENTATION**

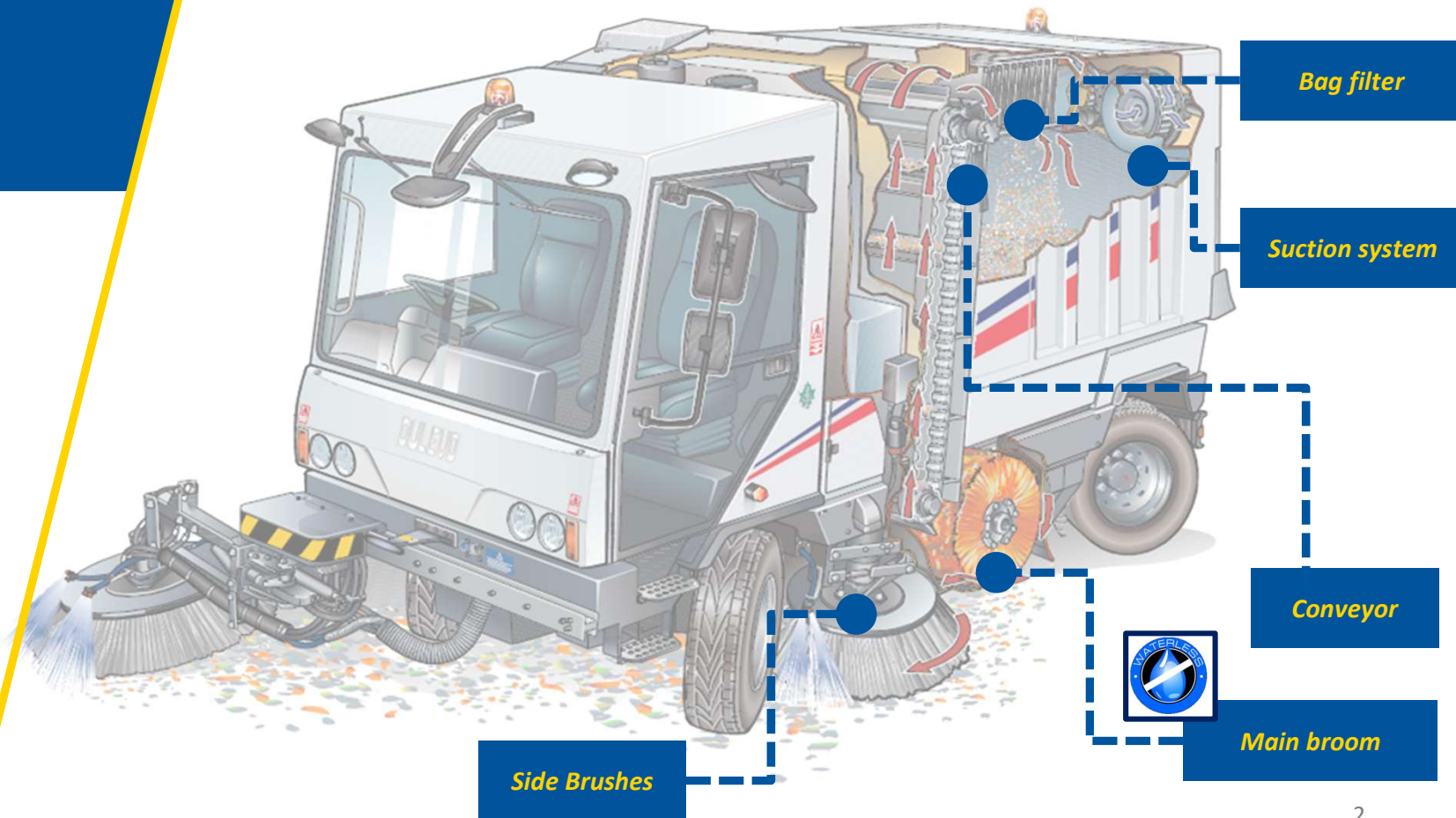


DULEVO D6 - HOW IT WORK



Mechanical - Suction Filtering System

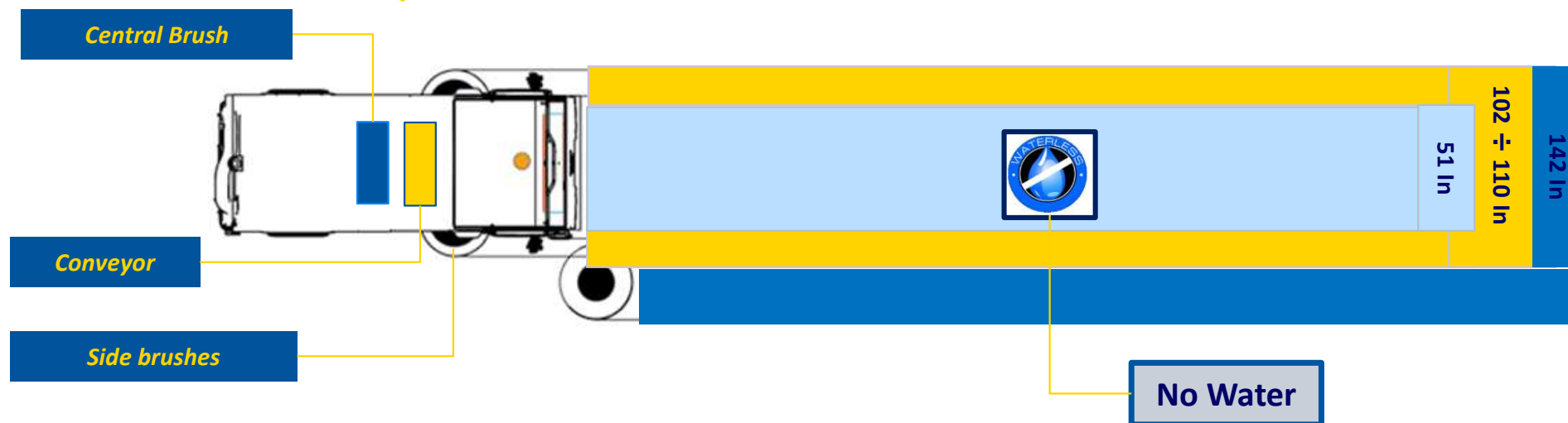
The mechanical sweeping system combined to sweeping by suction, supported by a real dust filter, guarantees the highest levels of performance and flexibility





DULEVO D6 – Sweeping Width

Sweeping width





DULVO D6 - Front Brush



FAYAT



The third front brush is hydraulically controlled in all its functions directly from the operator's seat through the new control armrest equipped with a **multifunction joystick**.

The travel system has been improved and reinforced by introducing a second support and sliding point reducing the strain on the upper bearings.

The system enables the **weed brush** to be used without additional reinforcement accessories.



DULEVO D6 - Water system



The water system, mainly used to cut down dust on the brushes, is fed by a **Stainless Steel Tank** outside the container, equipped with a loading hose. **The tank capacity is 105 Gal.**

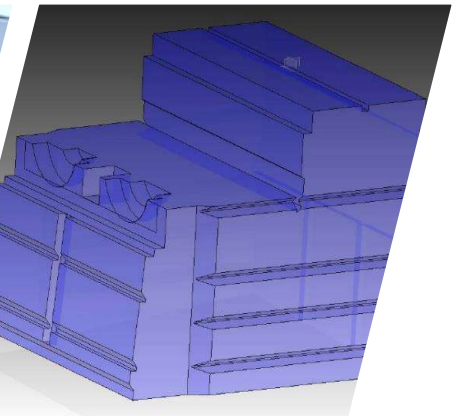
The water level is externally visible through an indicator on the side of the tank, and through **progressive visualisation on the Display in the cab.**

The system is equipped with an **Emptying system with compressed air** to prevent any damage due to ice in the Winter Season





DULVO D6 - Container



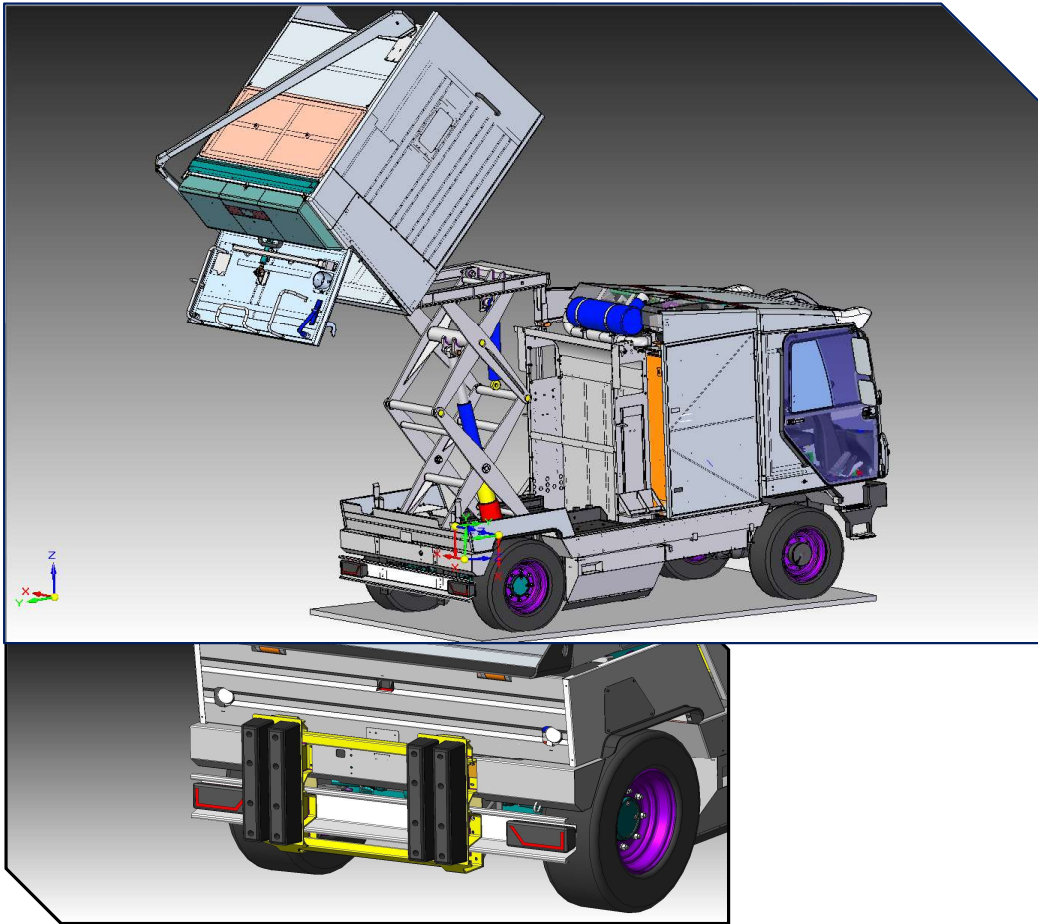
The waste hopper is made of AISI 304 stainless steel, and the Volumetric Capacity is **6.1 yd³**.

The hopper have, on one side, **an inspection door**. The opening of the hopper is with a hydraulic cylinder.

DUMPING HIGH: **Low 52 In** - **Regular 94 In**



DULVO D6 - Container



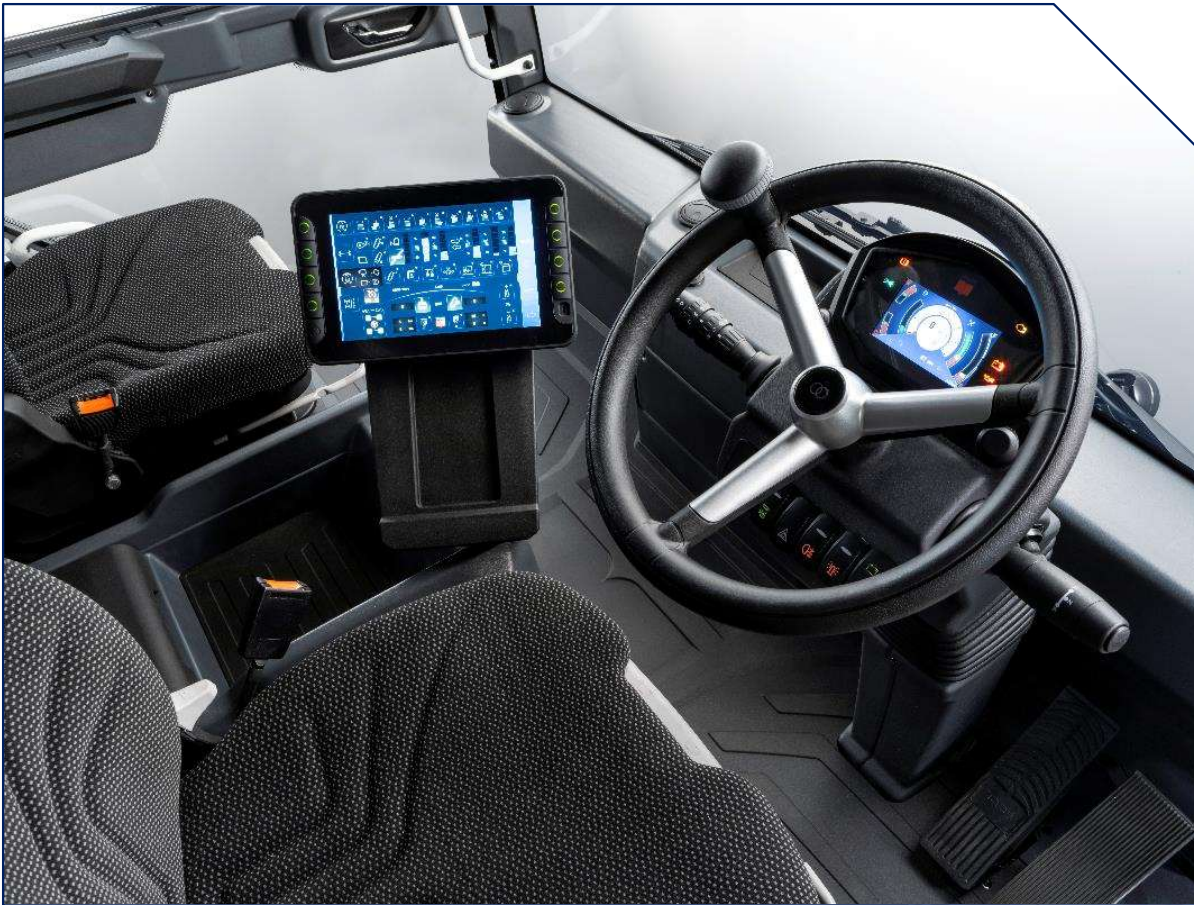
The D6 Sweeper is also available in the **High Dump** version with the possibility of reaching a height of **118 In.**

In this configuration, the waste hopper made of AISI 304 stainless steel , have a **Volumetric Capacity of 5.2 yd³.**

Included in the version are installed large rear bumper to facilitate the unloading phase.



DULVO D6 - Cabin



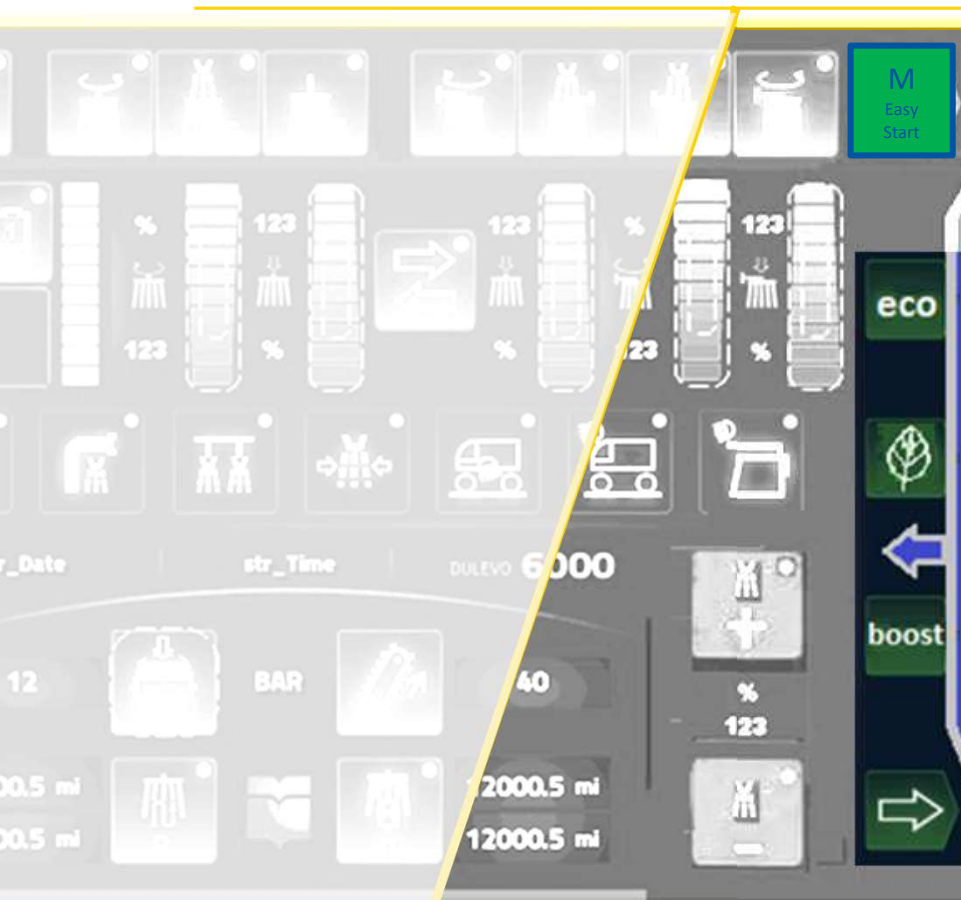
The D6 cab is equipped with a new **steering column**, adjustable in height and inclination, provided with a **display showing all engine indications and road traffic functions.**

Working functions can be enabled through the **central panel/display**, which can also be adjusted to the operator's most comfortable and ergonomic position.

On the door there is an **armrest with buttons for container unloading.** If the machine is equipped with a front brush, a Multifunction Joystick is available.



DULVO D6 – Control panel



Dulevo AST System

“Adaptive sweeping technology”

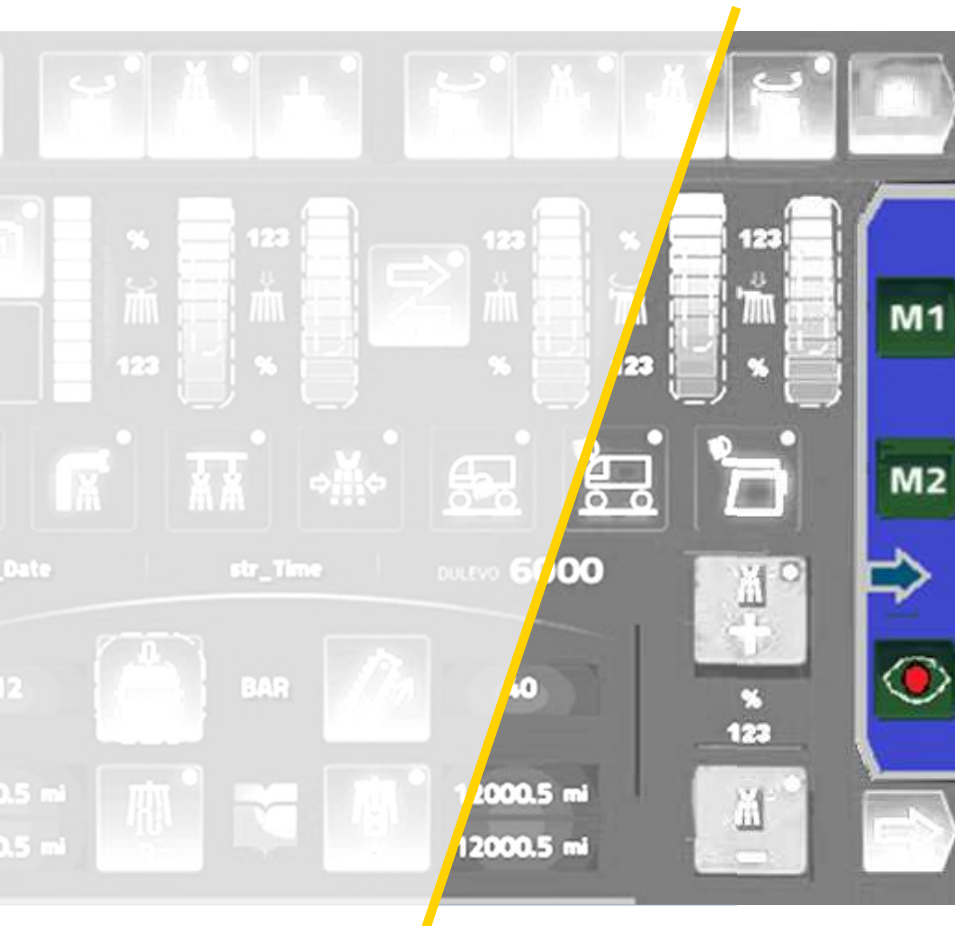
The Dulevo D6 sweeper introduces the concept of “**Adaptive sweeping technology**”, i.e. the machine helps the operator in different working conditions and can be adapted to various sweeping conditions.

The first feature is **Easy Star**, which makes it possible for the operator to work with the parameters set by Dulevo by simply enabling a work step and pressing an icon on the display.

The operator can also use the display to easily change machine performance via the **Eco and Boost** (Max 10 minutes) **programs**, or enable the **LEAF collection setting**.



DULVO D6 – Control panel



Dulevo AST System

“Adaptive sweeping technology”

The Dulevo D6 sweeper also offers the option of storing different work setups through the **M1 and M2 functions.**

These functions can be associated with other operators using the same machine, or with diverse configurations for different environments or modes.

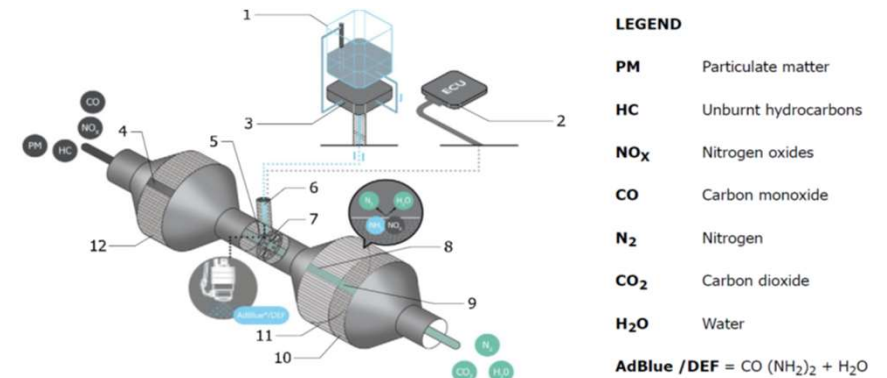
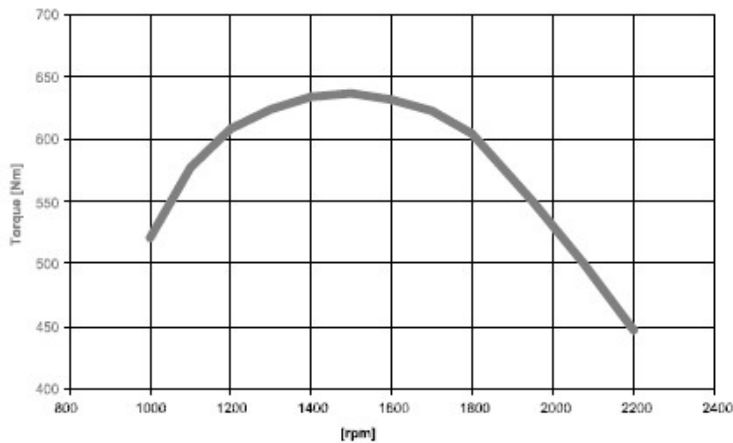
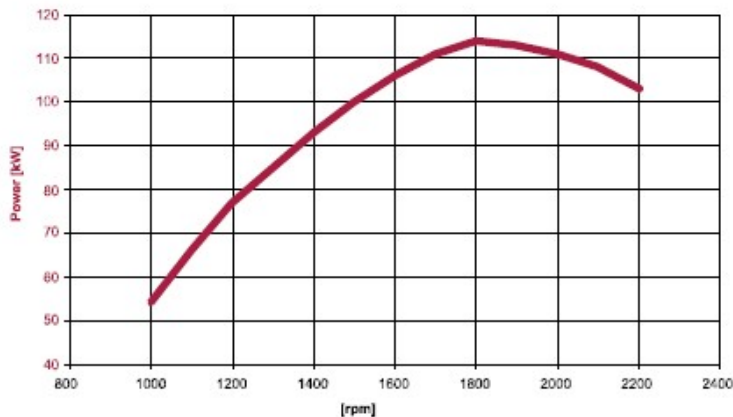
Example:

City Centre / Extra-urban / Markets

Side Brush Mode / Third Brush Mode / Leaf vacuum tube



DULVO D6 - Engine



The D6 sweeper is equipped with a 273 In³, 4-cylinder FPT (IVECO) engine generating a maximum 138 Hp power and 636 Nm torque. The engine complies with Tier4 EPA CARB emission standards.

The engine has been installed, calibrated and approved jointly with FPT, in order to make the most of the SCR after-treatment system for emission reduction.

The layout of the engine compartment, which includes the position of the catalytic converter and the arrangement of the radiators in the upper part of the structure, has been designed in such a way as to enable the best possible heat exchange.



DULVO D6 - Conveyor



FAYAT



The external part of the conveyor unit is made of high-strength, Domex 700 type steel, treated with cataphoresis.

The conveyor consists of a 3,7 In wide system with **parallel belts** that rotate on 2 crowns bolted on a hydraulically controlled upper dragging shaft, and on two free rollers in the lower part. This system was invented and **patented by Dulevo**.

To simplify daily maintenance, the conveyor is equipped with a **system enabling washing with a high water flow rate** through connection to a hydrant. In this way, perfect cleaning of the belts and vanes from material residues built-up during sweeping is guaranteed.



DULVO D6 - Dust Filter and Filtration Certification



The machine can be equipped with three different types of filters:

- Standard Filter – PE/PE 401 Polyester Felt Material
- Gore filter – Polyester felt with PTFE membrane
- Dulevo 2.0 filter by Gore – Totally consisting of PTFE membrane



In addition to featuring a more uniform design and, therefore, to more evenly retaining even the smallest particles, the PTFE membrane - an exclusive agreement with **GORE** - reduces material build-up on the walls and is more resistant to water. The Dulevo 2.0 filter by Gore has a very high drying capacity and can therefore return to be highly performing even in the event of accidental washing.

The filter can be cleaned by means of a hydromechanical filter shaker, directly from the cab through a specific control

The D6 sweeper **is certified** for the treatment of fine dust particles as per **standard En15429-3**. Further tests show that the Dulevo mechanical-suction-filtering system is also able to filter Pm1



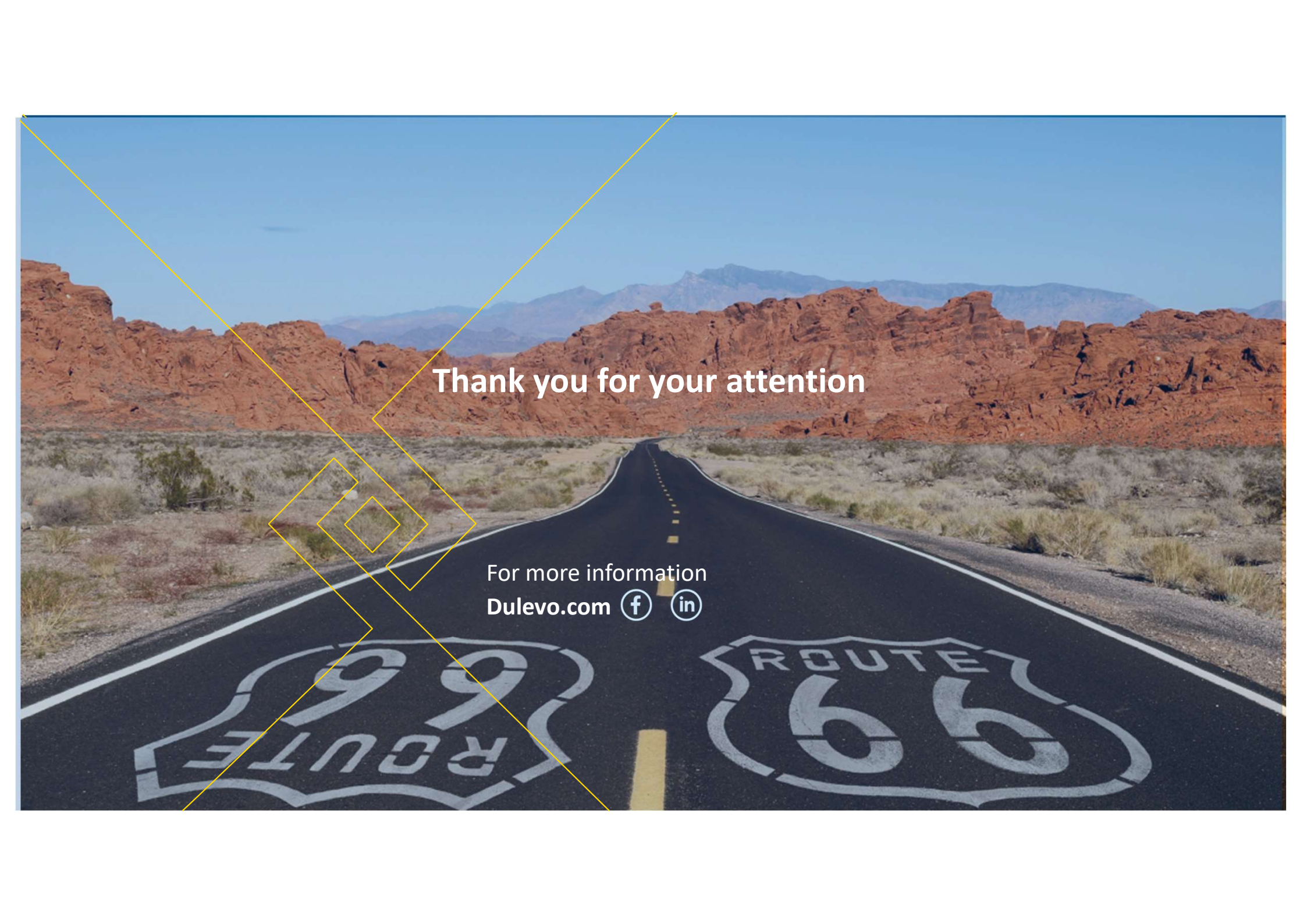
DULEVO D6 - Maintenance



In line with Dulevo tradition, all components are easily accessible to simplify maintenance and, therefore, to cut down on operating costs.

The D6 sweeper introduces the concept of **On Board diagnostics** directly from the function display and of the remote telemetry Dulevo Telematic in Standard configuration.





Thank you for your attention

For more information
Dulevo.com  