

ABSTRACT: ERREPPi BUFFALO

Erreppi invented a special tractor called Mechanical Buffalo to achieve a model of sustainable lightweight mechanization for the IN-FIELD operations, developed with palm oil planters in the name of their experience, **to improve the working conditions of labour**, still forced nowadays to handle heavy loads in very extreme off-road and unfavourable tropical humid climate conditions, **accomplishing ZERO soil compaction, very moderate fuel consumption** for the lowest carbon footprint in the sector, with commitment to **increase social status of workers**, among which we **promote lady drivers and schools** of operators in rural areas. Small holders are our main target for the market to grow.

With the Buffalo, Erreppi is the first to license a method of transport that is worldwide considered as the first example of a **new generation of tractors**, where the implement is carried on wheels to distribute the weight uniformly to the 4 high-flotation tyres with the very ergonomic drive position, basic control panel, compact size.

Erreppi Buffalo allows to **optimize and increase soil quality**: this small tractor divides the crop tonnage we have in palm oil sector to be evacuated into small carriages and do frequent cycles to have a higher crop quality per cycle. Thanks to its intelligent design, Erreppi Buffalo **protects the soil structure** and allows the superficial root system to support the growth of perfectly healthy plants: this translates into an **increase in productivity in the long term** and a decisive step towards **environmental sustainability**, two essential factors for the future of agriculture. The improvement does not only concern the soil, but also the daily capacity of harvesting and transporting fruits from the plantation: with Erreppi Buffalo, work will be **more efficient, more productive and more profitable**.

Erreppi Buffalo is all innovative. Its strength lies in its **versatility**: its modular aesthetic has been designed to allow the user to adapt the Buffalo to every type of terrain and accomplish numerous tasks. Its structure is made up of **5 essential components** which can be easily changed in less than an hour: this is a big advantage for in-field repair operations that can be run easily by basic mechanics. These features make it the perfect **tractor for female workers** and for all those who require stability, safety and practicality to a vehicle: a giant step towards **inclusive mobility in agriculture**.

Erreppi **Buffalo can be customized with several implementing applications**: users from all over the globe use it for fruit harvesting, fumigation, as a fertilizer spreader or general transport as well, but the options available are limitless. Many other activities we are going to mechanize soon with the cooperation of major plantations in the view of environmentally sustainable business and protection of human rights.

