



IC GREEN

SPORTEE C-Series Model A

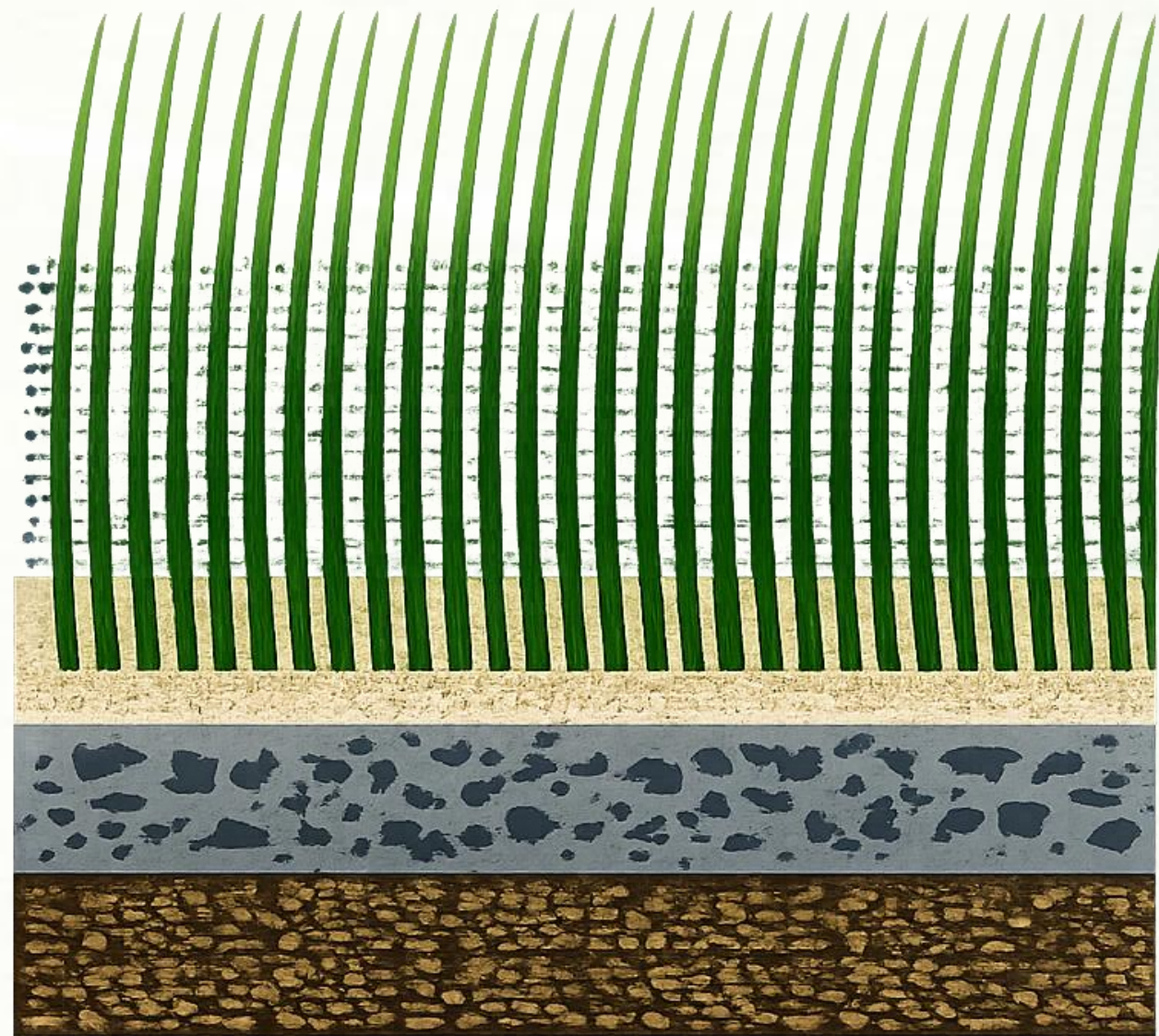
Case Study & Presentation

Maintenance Cost : -50%
Pitch Lifespan : +50%

Highly used but fragile playing fields

Artificial turf is made up of different layers and materials, as shown below:

The structure of synthetic turf



To achieve the same playing characteristics as natural grass, these coverings generally have fibers between 40 and 65 mm long. These fibers would be flattened if there were no infill, but by partially filling the voids between the tufts of individual fibers, it is possible to keep them straight so that they provide all the desired characteristics (cushioning, flexibility, bounce, grip, etc.) to enable injury-free play.

With intensive use (on average, 25% of pitches are used for more than 60 hours a week), the infill is distributed differently in different areas of the pitch and becomes compacted, increasing the risk of the polyethylene fiber becoming coated or even breaking. **The severe deterioration** of the pitch and playing conditions (no more cushioning, random bounce, slippery pitch leading to injuries) **then becomes irreversible.**



Example of an out-of-use pitch with irretrievably flattened fibres

Different pitches - a same stake

This need to straighten the fiber is imperative, whatever the type of infill used :

Artificial :

- SBR (styrene butadiene rubber)
- Encapsulated SBR
- TPE (thermoplastic elastomers)
- EPDM (ethylene propylene diene monomer)
- Etc...

Natural :

- Cork
- Coconut fiber
- Olive stone
- Corn granulate
- Etc...



The fibers are straightened by brushing, using resources of varying degrees of importance, which have a significant cost depending on how often they are used :



- Dedicated human resources (driver)
- Equipment: tractor and brush
- 2 to 4 hours of impassability
- Between €200 and €500 per service
- Min. 1x / month or approx. every 100 hours.

Overplayed pitches, staff availability and limited financial resources often prevent the regular brushing maintenance that is so essential.

Sportee™, a high-performance and multipurpose maintenance robot, provides a concrete and perfectly adapted response to professionals who wish to automate the tedious operations of zero-phyto weeding of natural pitches and homogenisation by brushing of their synthetic pitches.

By integrating Sportee™ into a complete protocol for the maintenance of your your turf, the quality of play on the pitches, their visual appearance, their lifespan and their overall maintenance costs are all significantly improved... without effort or complexity.

Real-world benefits that deliver value

An artificial football pitch (surface) costs an average of €800,000 to install, and annual maintenance easily exceeds €10,000. The cost of brushing varies according to the frequency (weekly to monthly) and the price of the service provided.

Sportee™ enables :



The lifespan of your pitch is extended to an average of 12 years, i.e. **4 years beyond the standard warranty**. That means less reinvestment!



Savings on brushing costs: around **€5,000 / year**

...and effortlessly :



A more pleasant playing surface, less compacted, safer and visually cleaner



You can schedule your brushing and homogenisation work to take place at any time of the day or night, in complete autonomy and with no need to be present. When the job is done, you receive an SMS. In just four hours, your pitch is brushed and the infill homogenised, as often as you like.



Versatile use of the robot for weed control on natural and synthetic pitches, which can also be contaminated in the surrounding area



The only multi-purpose robot in the world capable of carrying out complex tasks in complete autonomy, for both natural and synthetic pitches. Judge for yourself and request your Sportee™ demo.

Your contact:

SPORTEE – Technical data

C-Series Version A

Version A



INFILLS

EPDM, SBR, TPE, Bioflex, coconut fibers, bark, cork, granules, olive pits, wood, corn cobs, treated cellulosic fibers, etc.

OPERATIONS

Brushing, decompaction, moss removal

TROUGHPUT

7500m² in 4h

AUTONOMY

4 to 5 h, depending on the infill

CHARGE

2 h (10% to 80%) - Docking station available as an option

USE

Autonomous – Programmable – 24/7

SYSTEM

By adjustable-pressure rotary brushes and a fixed rear brush

NAVIGATION

RTK-enabled with access path management (multi-terrain)

DIMENSIONS / WEIGHT

1200 x 800 x 770 without trolley – 230 Kgs

WARRANTY

CE-compliant product / 2-year manufacturer's warranty

OUR DIFFERENCE

Scalable to Sportee N and F models (via upgrade kit)

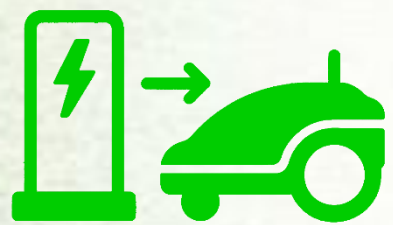
Why SPORTEE gives you the edge



No metal parts are in contact with the grass fibers, either for brushing or for decompaction: this better preserves the integrity of the fibers over time.



Sportee offers a tailored adjustment of the height, speed and pressure of the discs and brushes to achieve a perfect result, whatever the infill (SBR, EPDM, Bioflex, cork, coconut fibers, etc.). Approved by manufacturers of infill-free synthetic turf



Autonomy is greatly increased thanks to the automatic charging station: this is a key use case when several adjacent pitches need to be maintained autonomously.



Multi-pitch capability: the robot can move from one pitch to another autonomously, including automatic recharging.



Sealing and connectivity are of military-grade quality to ensure flawless operation over time: shocks, vibrations, etc.



A LiFePO battery that is much “greener” and less hazardous for the environment (explosion, leakage, pollution, etc.).



NO CORROSION

Corrosion-free thanks to the choice of materials used.