

# **SIS//Grass**

by

## **SIS//Pitches**



**The next generation of hybrid pitches**



- › **SIS Pitches** established in 2001, design, manufacture, construct, install and maintain sports pitches around the world.
- › 341 Group employees, **96 in the UK**
- › **£55M turnover**
- › **UK-based manufacturing facility** capable of producing **1 million m<sup>2</sup>** of synthetic carpet annually
- › **We maintain 500,000m<sup>2</sup>** of stadium and training pitches each year globally
- › ISO 9001, 14001 & 18001 accredited

**SIS Pitches is unique in providing sports surfaces across natural, hybrid, and artificial surfaces.**





# WE ARE SPECIALISTS IN NATURAL TURF PITCH CONSTRUCTION

Our innovative solutions  
include:

- › Under-soil heating and ventilation systems **SISAir**
- › Irrigation & drainage systems
- › SIS **HydroBox** for pop-up irrigation systems

***SIS // Pitches***



# SISGrass: The Innovation

- › **Launched** in June 2015
- › **Fastest** and most **accurate** hybrid installation available
- › Artificial fibres **correlate** with natural grass sward
- › Improved surface **stability**
- › **Increased** hours of play
- › **95%** natural grass surface

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# The Fibre

- › Polyethylene monofilament **MN Ultra™** yarn manufactured for SIS Pitches in UAE.
- › 21<sup>st</sup> Century extrusion technology using latest high grade polymers.
- › Yarn profile / shape for optimum **recovery** and **resilience**.
- › Used in **FIFA** and **World Rugby** approved synthetic turf systems worldwide.
- › Proven **durability** and long lasting playing characteristics and **performance**.



# The Fibre Continued...

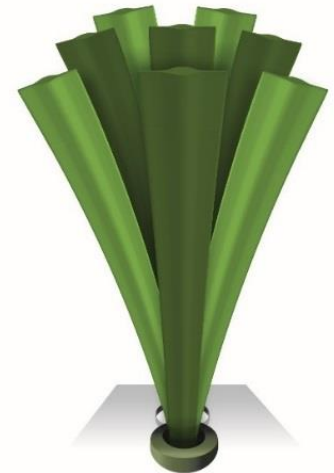
- › **Two-tone** – natural in appearance.
- › **UV Stable** – will not fade or lose structural integrity over time.
- › Tested at the **STRI** for stability & influence on the performance of the natural grass surface.
- › Excellent **recovery** during renovation.
- › **50% more yarn** by weight than other systems.
- › **9,000kg** of yarn installed for a 7,500m<sup>2</sup> pitch.
- › **8 Year** warranty.

MN ULTRA™



SPORTS GREEN

BRIGHT GREEN



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# The Machines

**SISGrass** machines have been designed to produce a new generation of stitched hybrid pitches by the standards of the 21st century.

## Objectives:

- › Accuracy
- › Speed
- › Electric



# Patented Technology

- › Machines are **exclusively** designed and manufactured in the Netherlands for SISGrass.
- › The SISGrass machines feature **patented technology** – the mechanism enabling the installation of synthetic fibres **three times** faster with a greater quality finish.
- › **Laser guidance** for the greatest accuracy and seamless installation.
- › Hybrid machines – **90% Electric** reducing reliance on hydraulics and risk of leaks.
- › Flat tracks for minimal surface disturbance



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# Seamless Installations



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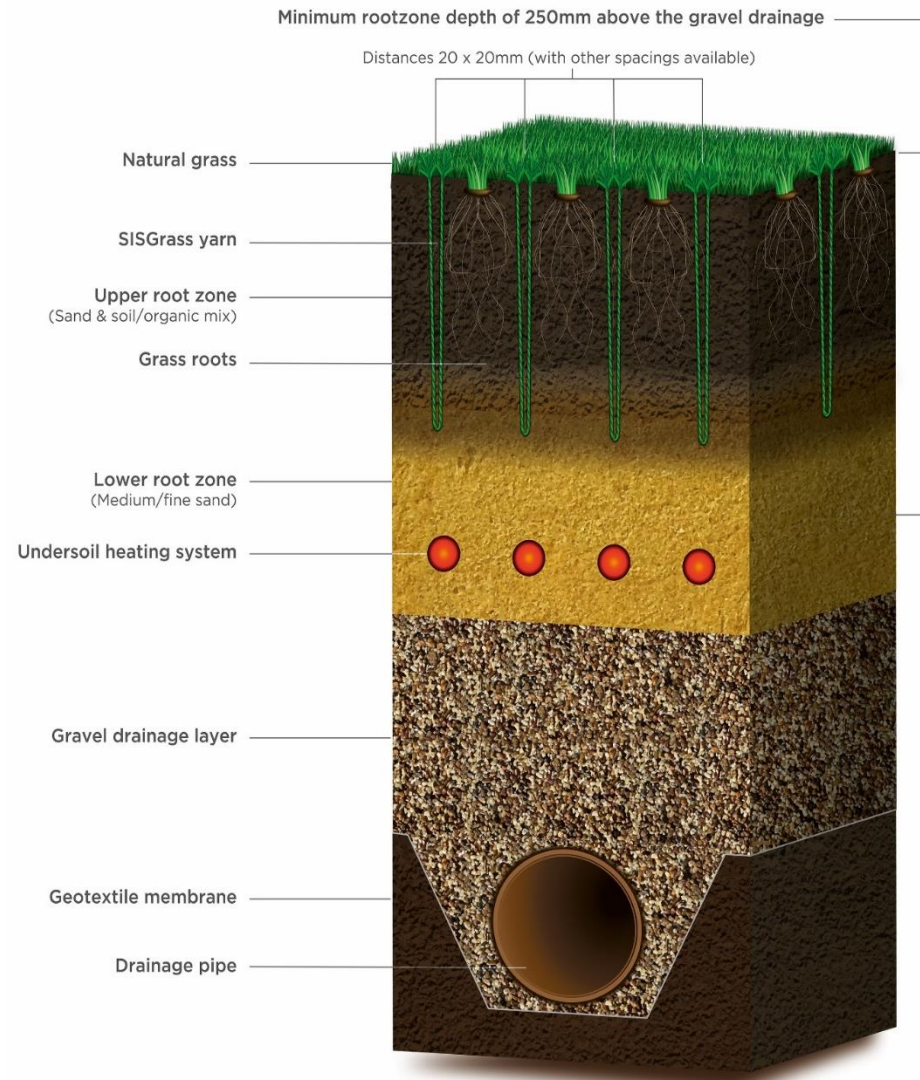
# SISGrass Fibre Installation



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# Cross Section

- › Fibres inserted **180mm** into the rootzone
- › **20mm** of fibre above the surface
- › Upper rootzone  
10 – 20% soil / organic mix



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# Renovation

- › **SISGrass** pitches can be successfully renovated on an annual basis
- › No loss or damage of fibres
- › **Consistent** and clean surface
- › Excellent fibre recovery

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# STRI Independent trial

## 9 month independent trial:

- › SISGrass trial plots had significantly greater:
  - grass coverage
  - surface traction
- › Surface renovation using a Koro Fieldtop Maker fitted with a 'Universe' rotor - there was no damage or displacement of fibres.
- › SISGrass fibres offer:
  - significant protection of grass cover
  - durable playing surface
  - good levels of surface traction
- › Stitch rates at 20mm\*20mm delivered **optimum** performance however stitch rates at 20mm\*40mm delivered a **positive** performance with a 'softer' surface.



# Finishing touches....

- › Experienced SISGrass Supervisors utilised on every installation.
- › Customised mowers to provide desired finish.
- › Continued aftersales support.
- › Hand stitching kits.



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## SIS HydroBox is the simple way to manage your pop-up irrigation systems

- › Designed for quick and easy installation
- › Perfect for natural turf applications, including SISGrass
- › Makes irrigation systems more accessible and easy to maintain, clean or change



# Continual Innovation.....

- › Compact machine with our patented installation technology
- › Uniquely designed for installation into a new, wide range of applications
- › 100% Electric
- › Varying stitch rates and depths
- › 80cm installation width
- › Goal areas, linesman runs, cricket wickets, golf tees, tennis and more....

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UNIVERSAL





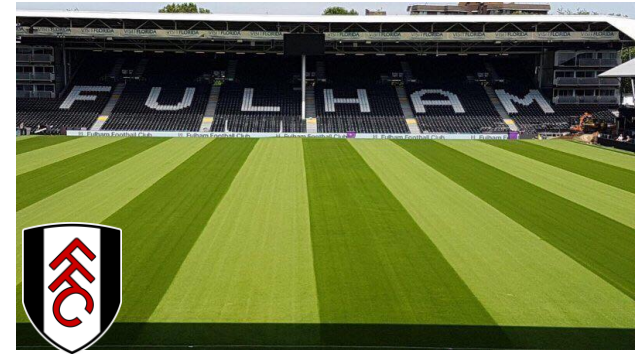
# UK Stadium Pitches



Derby County FC



Newcastle Utd



Fulham FC



AFC Bournemouth



Birmingham City FC



Reading FC



Celtic FC

***Over 70 SISGrass installations within the first 3 years including 22 stadium pitches Worldwide!***





# AFC Bournemouth

‘We are stitched!

A four week gap in home fixtures handed us the window to carry out the works during the season, a first I believe.

A fantastic job by SISGrass, working 24/7 to ensure success.

Both players and coaching staff immediately noticed the improved surface.

Our aim in the Grounds Dept is for the pitch to look the same at the final whistle as it did during warm ups. We are now as close to achieving this as we are ever likely to be.

Thank you to all those involved.’

Robin Wilcox Head of Grounds, AFC Bournemouth, January 2017



# UK Training Ground Pitches

- › Chelsea FC
- › St George's Park
- › Derby County FC



- › Swansea City AFC
- › Hull City FC
- › Fulham FC

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# 6 of 12 World Cup stadiums

A **PASSION** FOR  
PERFORMANCE  
WORLD LEADING SPORTS PITCHES



FIFA WORLD CUP  
RUSSIA 2018

2018  
FIFA WORLD CUP  
RUSSIA™

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# Summary

- › An innovative and **patented** technology.
- › **Fastest** installation available on the market. 1 pitch in **8 days** or less!
- › Greatest **quality** and **accuracy** of installation thanks to the laser-guidance system.
- › A proven and unique, **durable**, high performance, **UV stable** fibre that meet the requirements of **FIFA** and **World Rugby**.
- › **90% electric** machines providing less risk of oil leaks on pitches.
- › Flat tracks for minimal turf surface disturbance.
- › **Independently** tested by the STRI in the UK which confirmed the ability of SISGrass to provide an excellent international surface.
- › **70 pitches** installed in three years and the list is growing.....



# Our Awards



2016  
**SPORTS  
TECHNOLOGY  
AWARDS**

**WINNER**

Best Use of Technology by a Venue,  
Stadium Club or Franchise



The SAPCA Awards recognises excellence and promotes the best examples of outstanding quality installations and innovative new products to ultimately deliver great sports and play projects.

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The background of the advertisement features a dynamic soccer match scene. A player in a red and white kit is in mid-air, kicking a soccer ball. A goalkeeper in a black kit is diving horizontally to the right, attempting to save the ball. The scene is set on a green field with a purple and white misty atmosphere. Stadium lights are visible in the background.

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**Thank you.  
Any questions?**

**The next generation of hybrid pitches**