



5th Seminar On Practical Turf Management

Cameron Hodgkins 2015

Stadium Turf Management



A New Standard

- Usage
- Weather/Micro climate
- Skill Set





14 hrs.

“Y

th’

LET THERE BE LIGHT



Photosynthetic Active Radiation (PAR LIGHT)



Light Spectrum used by organisms in the Photosynthesis Process



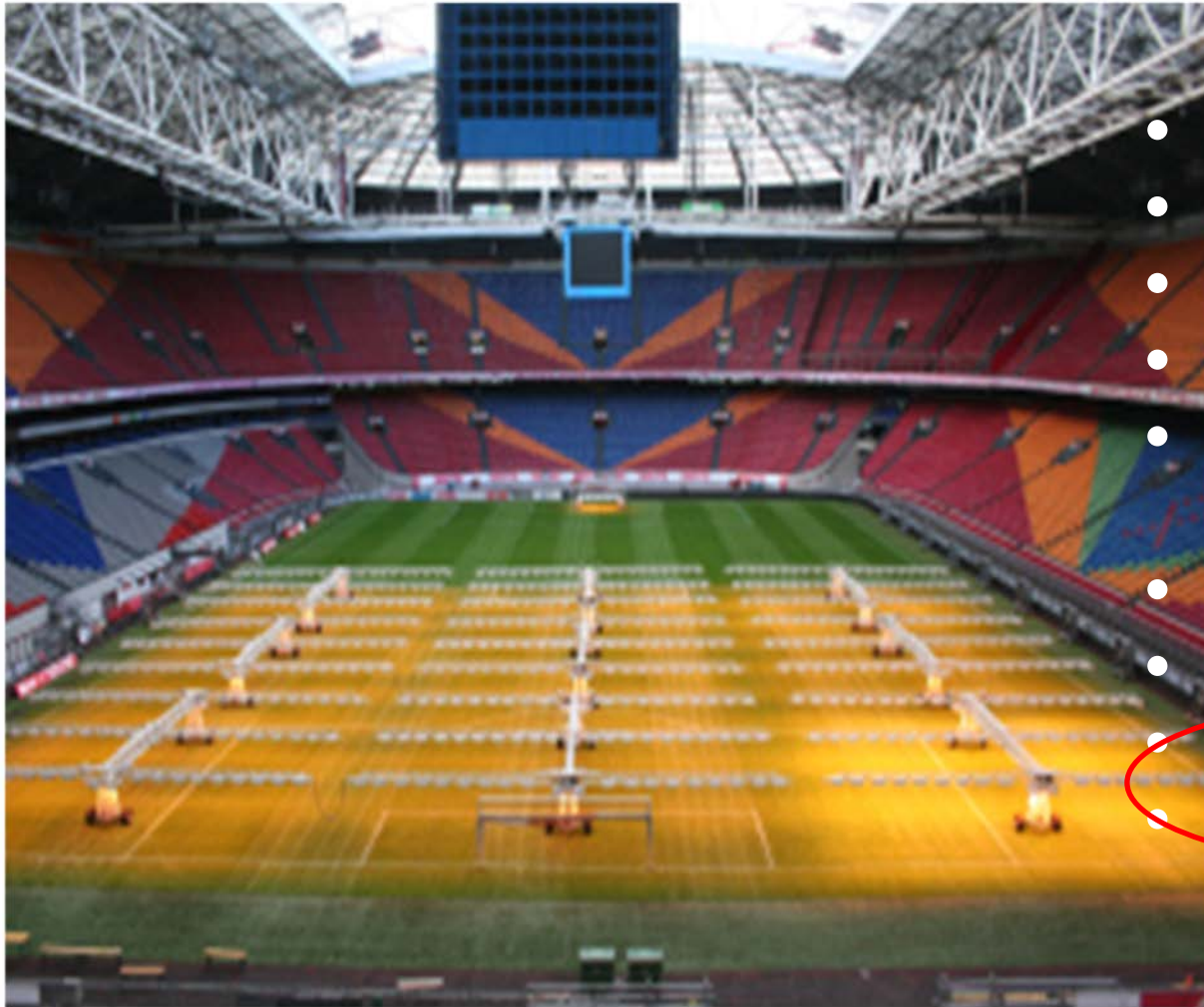
Analyser

- Light
- Moisture
- Soil/Air Temp
- Humidity
- EC



Amsterdam Arena

Now



- 9 Units
- 360m²/unit
- 600watts
- Rye Grass 10.5 Mj/wk
- 48hrs per position
- The Hub 18 units
- 1000watts
- Bermuda 33Mj /wk
- 140+hrs per position

Mandatory In English and Germany First Division Football



Snow, Ice

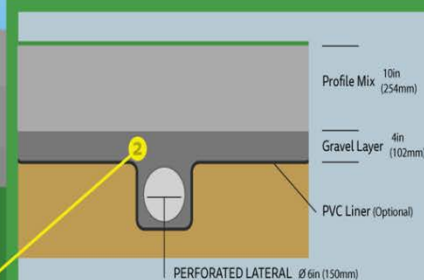
SubAir Sport

Systems Demonstration

- 1 Main Trunk Lines
- 2 Soil Profile?
- 3 Fiel Sensors
- 4 Oxygen Sensors
- 5 Water Separator
- 6 Water Discharge
- 7 System Intake?
- 8 Main Drive Motor & Blower
- 9 Airflow Direct Valve
- 10 Control Panels
- 11 Touch Screen Controls
- 12 Silencer
- 13 Intake/Exhaust

General Overview

The SubAir system can expedite the removal of excess moisture in the soil when operated in the vacuum mode. This function can be activated manually from the key switch in the control panel. The user can also choose to have SubAir supply soil sensors that will detect the moisture in the soil and the sensors will automatically activate the SubAir in vacuum mode if the moisture levels exceed the preprogrammed set points that are determined by the user.



1 600mm/24" - 750mm/30"

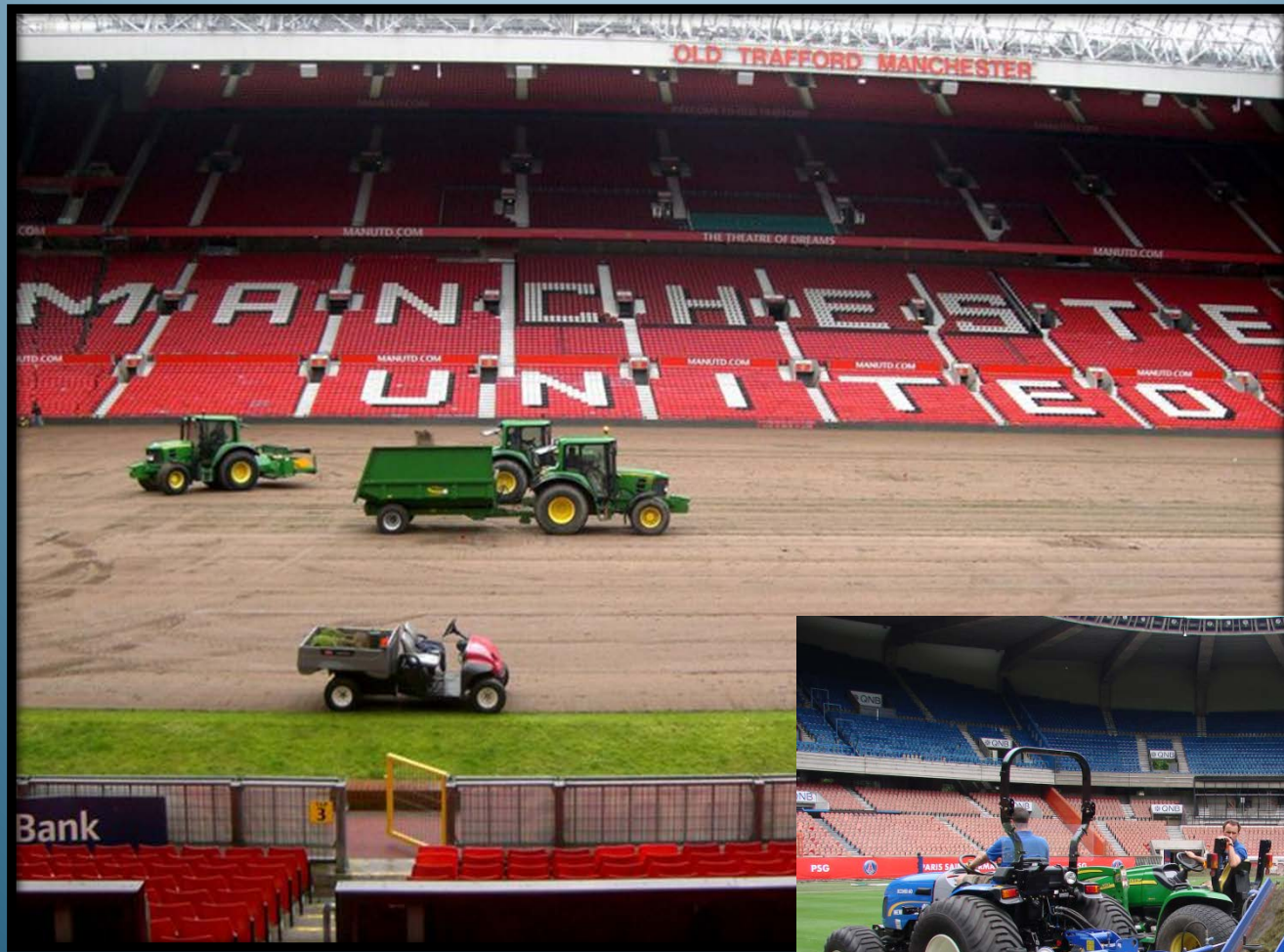
Wet Weather



☐ Dry air

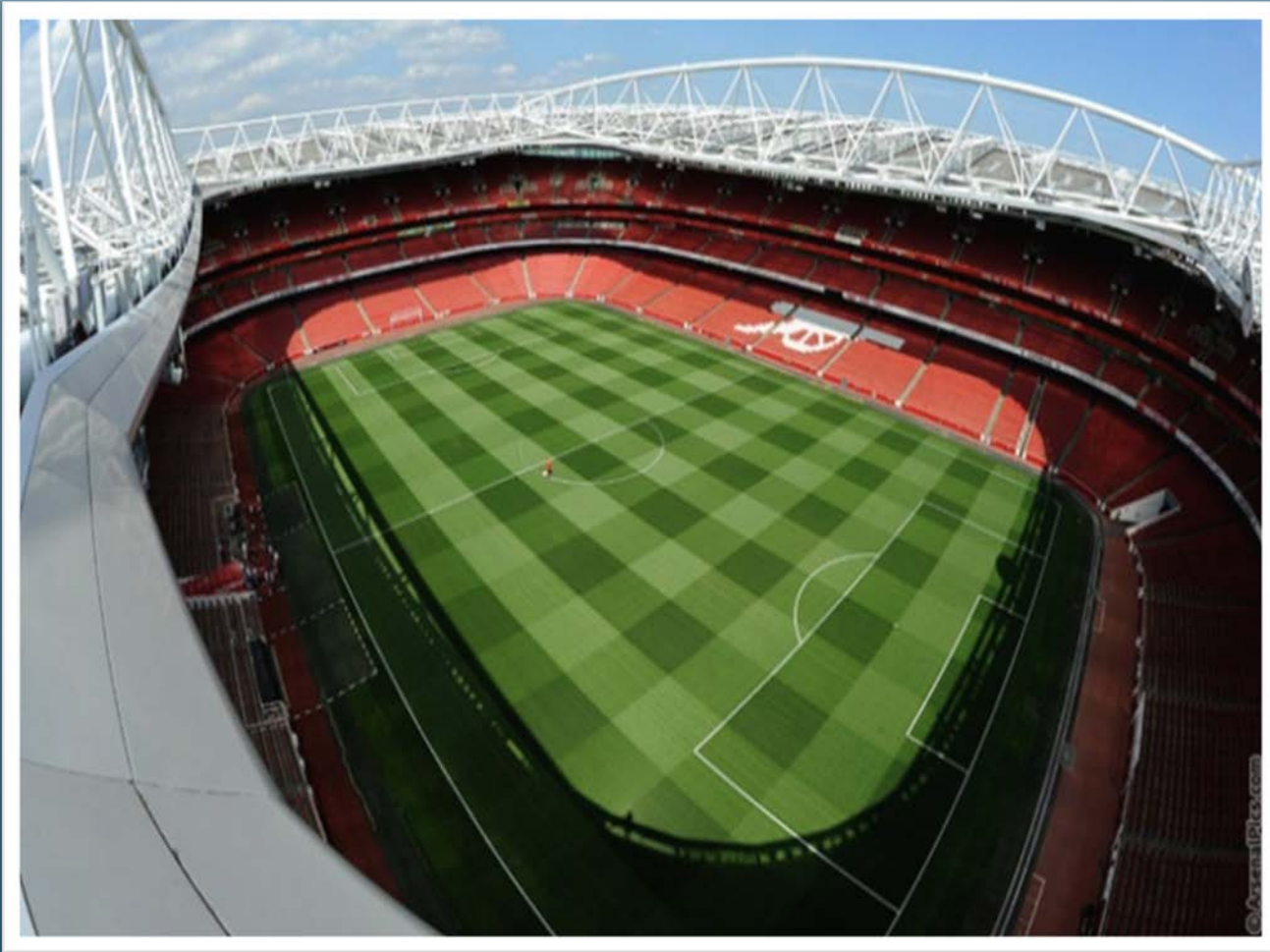


Air Circulation



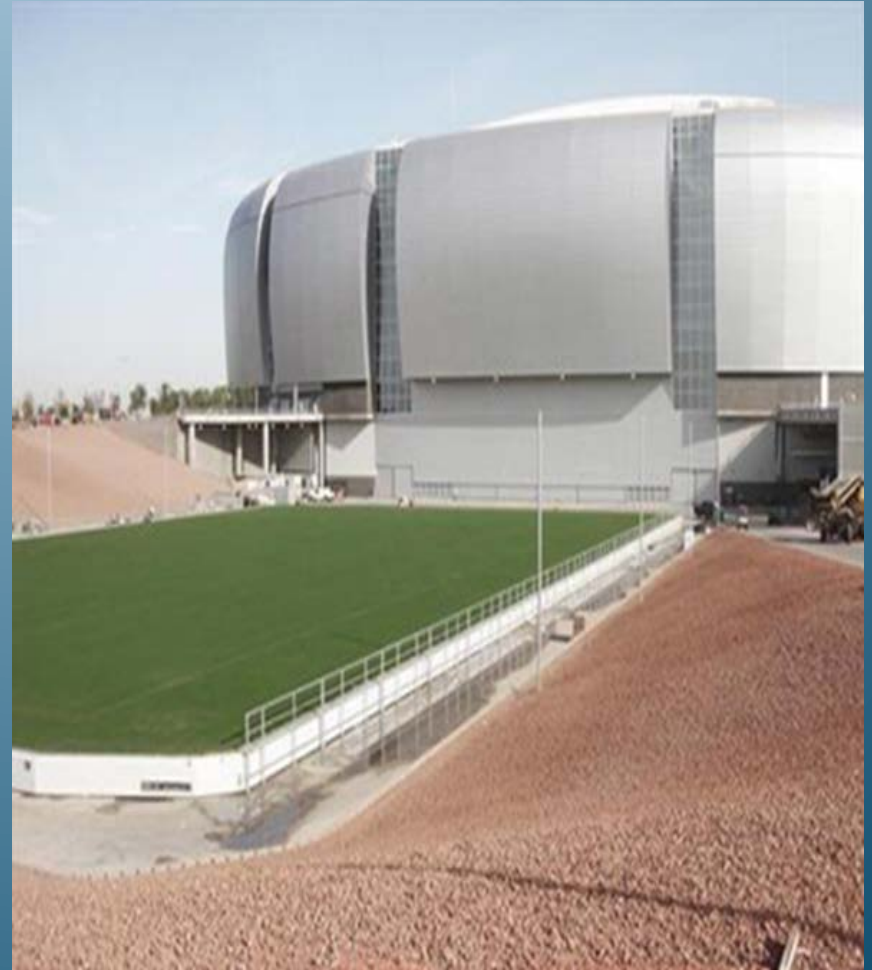
Organic Control

Result



Super Venues

The Future





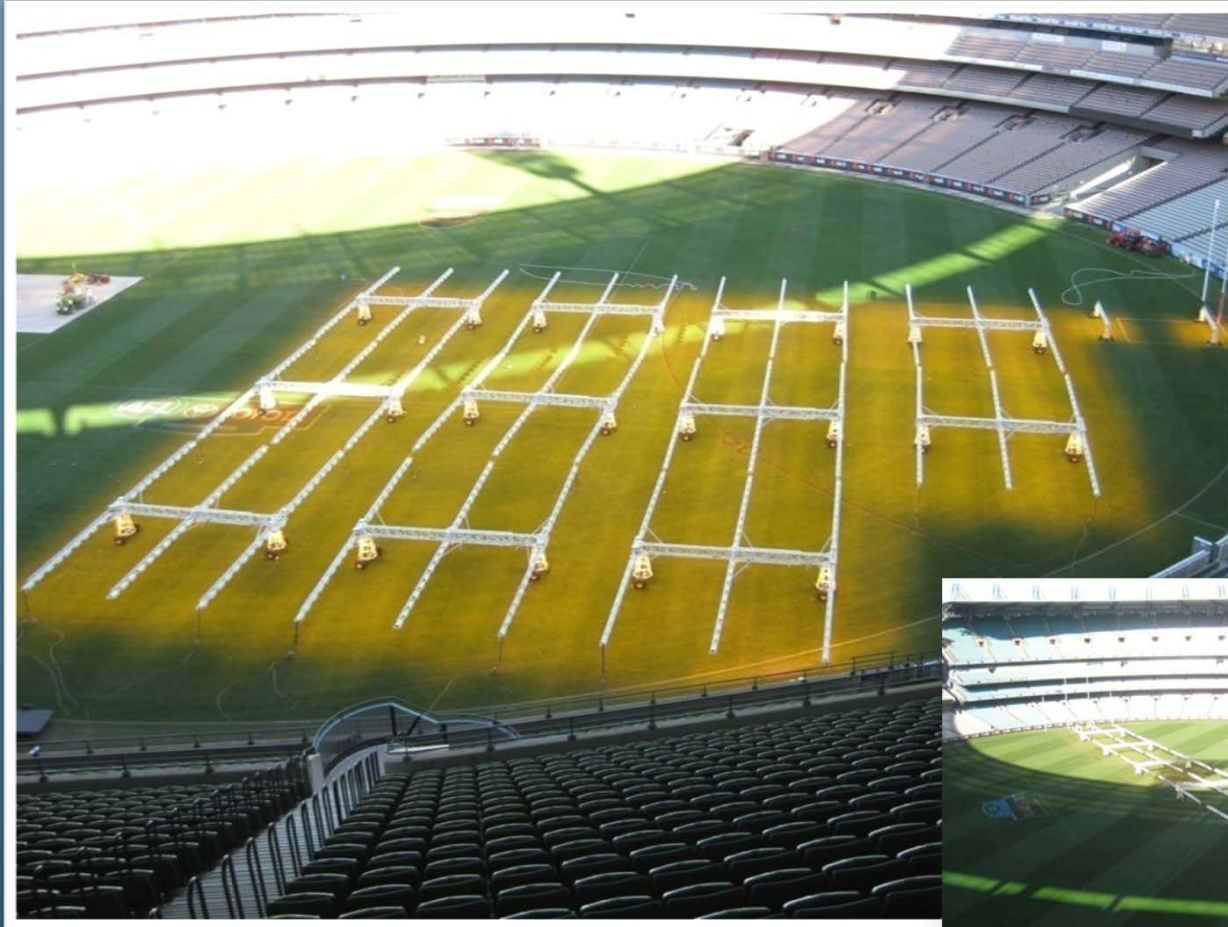
13,000m²
\$8 Million HKD

“Eclipse”



Modern Turf Management

Blend of New Hardware & Advanced Cultural Practices





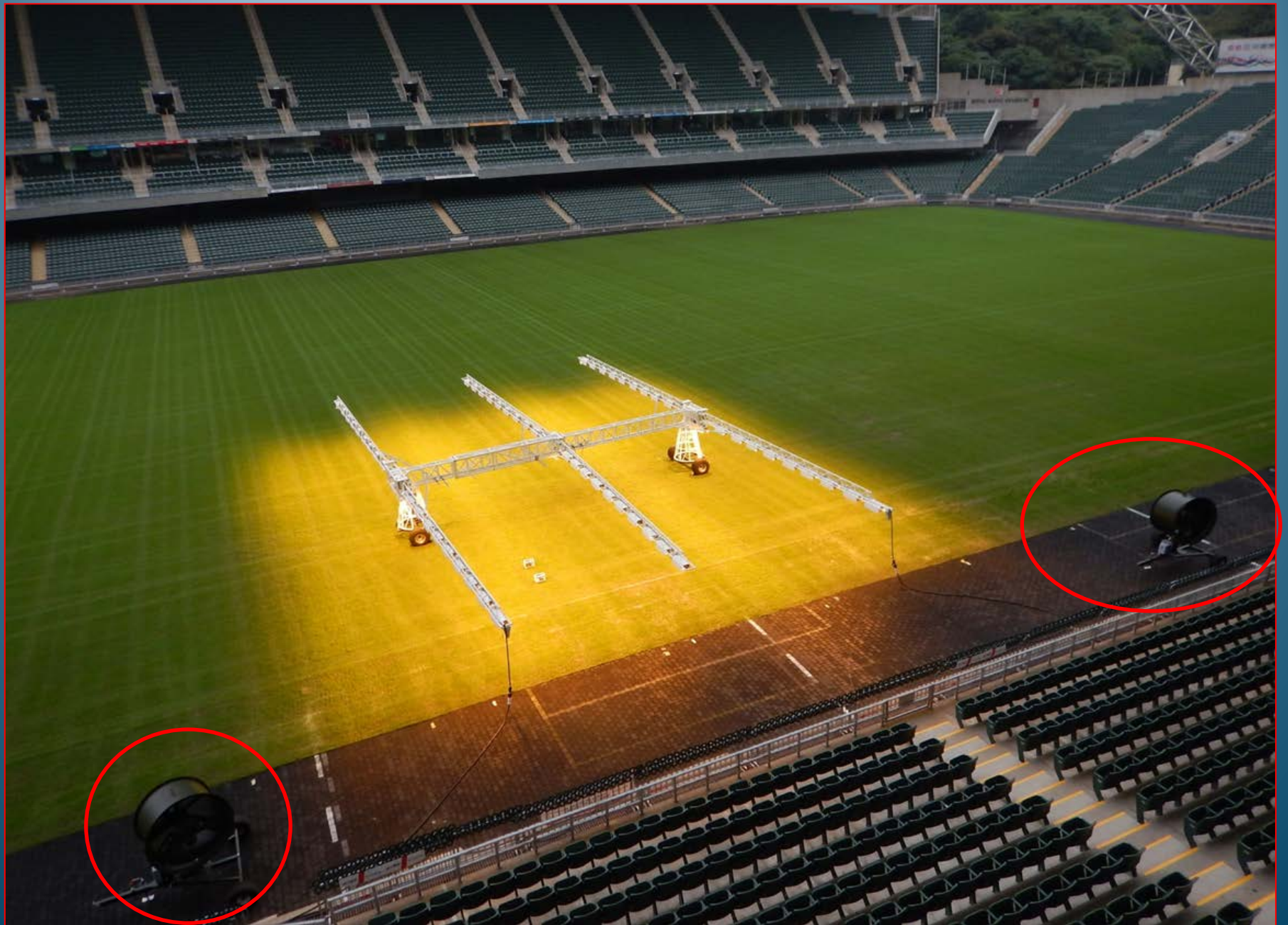
Confused Yet?



HONG KONG STADIUM



- A New Sand Profile Is Only One Component it does not guarantee a quality surface
- Protection of Investment with a quality maintenance program



Managing Community Sports Turf In Hong Kong

A person wearing a blue long-sleeved shirt, dark pants, and a brown patterned hat is operating a green riding lawn mower on a large, well-maintained green sports field. The mower is moving from left to right, leaving a distinct mowed path. In the background, there is a white goalpost with a green net, a red running track, and a tall green safety net. Beyond the field, there are trees and a multi-story residential building under a clear sky.

WET & DRY
SEASON

50 Grounds

Every Year



06/05/2015

Local Champion:

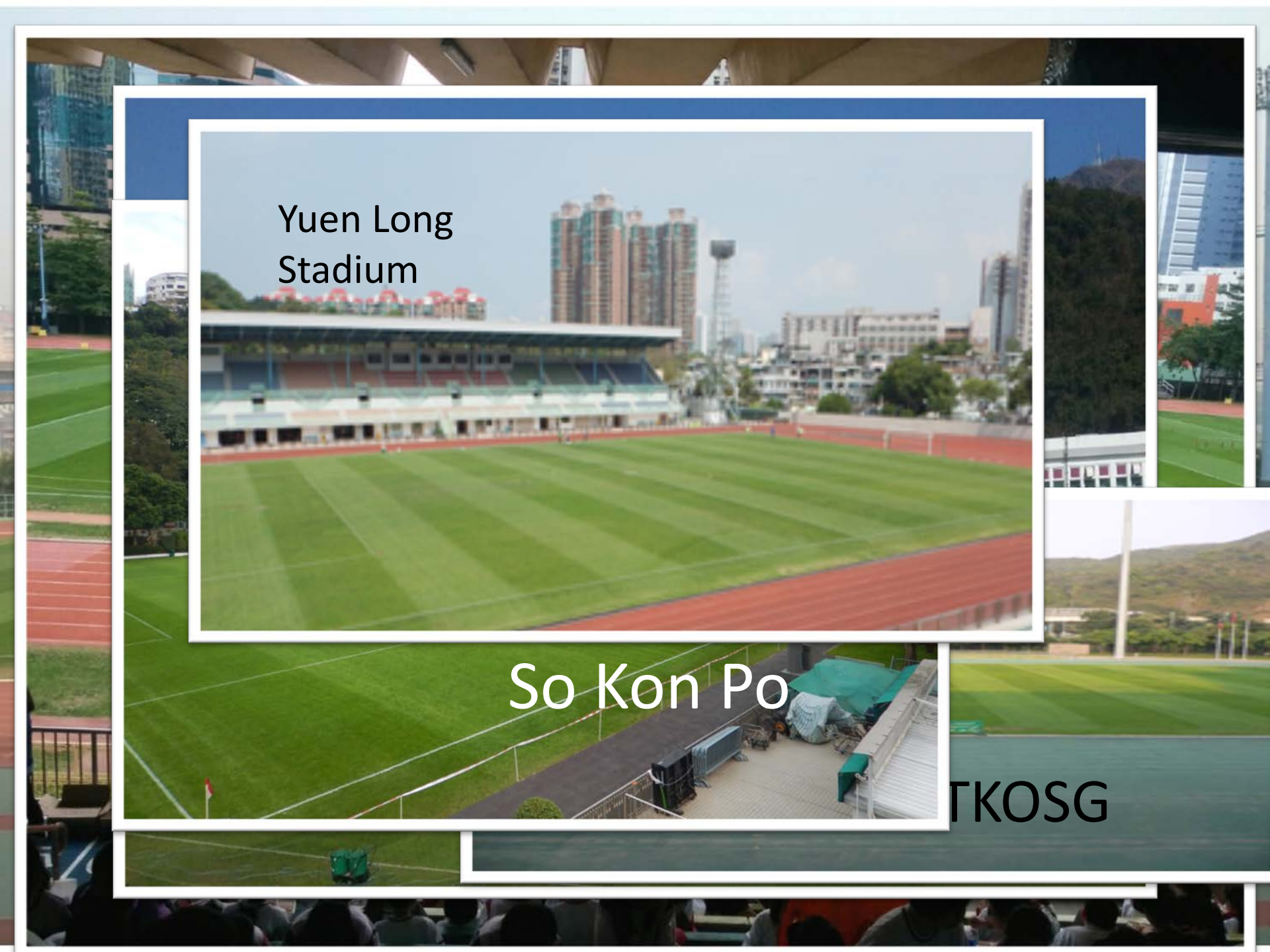


Little And Often



- Water
- Cut
- Fertilise



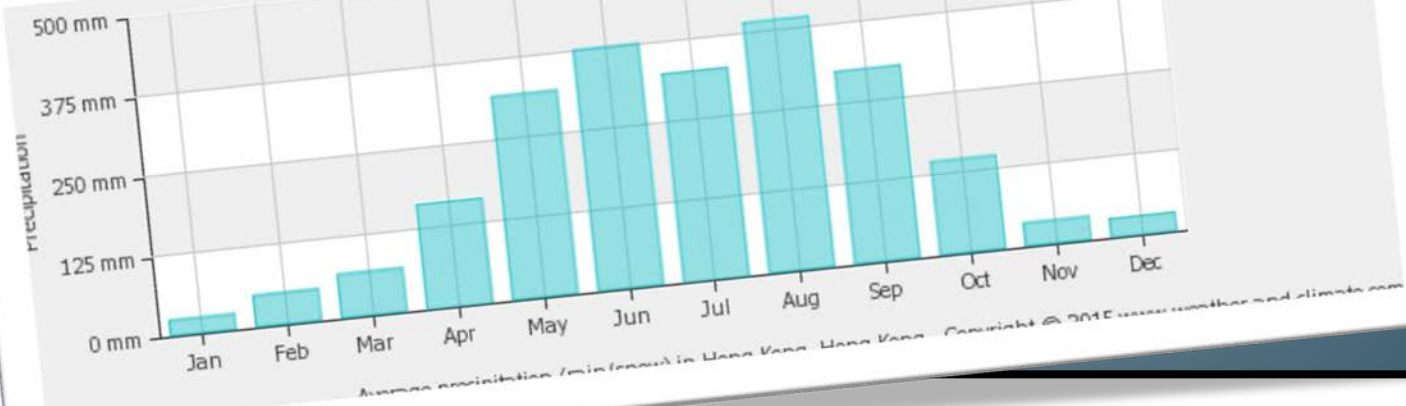


Yuen Long
Stadium

So Kon Po

TKOSG

2.2m Rainfall Per Year



Fair Weather Turf



Large Tyne Aeration

Frequent Sand Topdressing

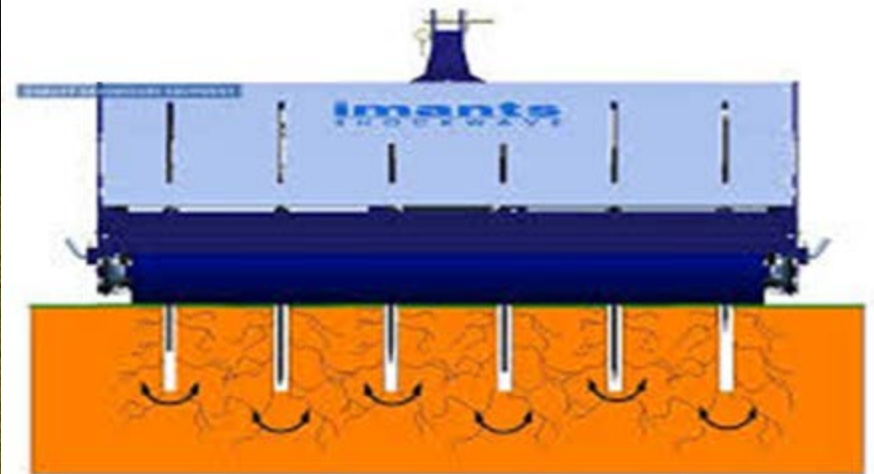
Wetting Agents



Soil Improvement



Aggressive
Aeration



Questions

