

Erwin Beltman

Stadium Feijenoord

‘Simply the best’

 **BARENBRUG**



Stadion Feijenoord

Erwin Beltman



- September 2013

Head Fieldmanager Stadion Feijenoord



- Januari 1996

Greenkeeper Koninklijke Haagsche G&CC



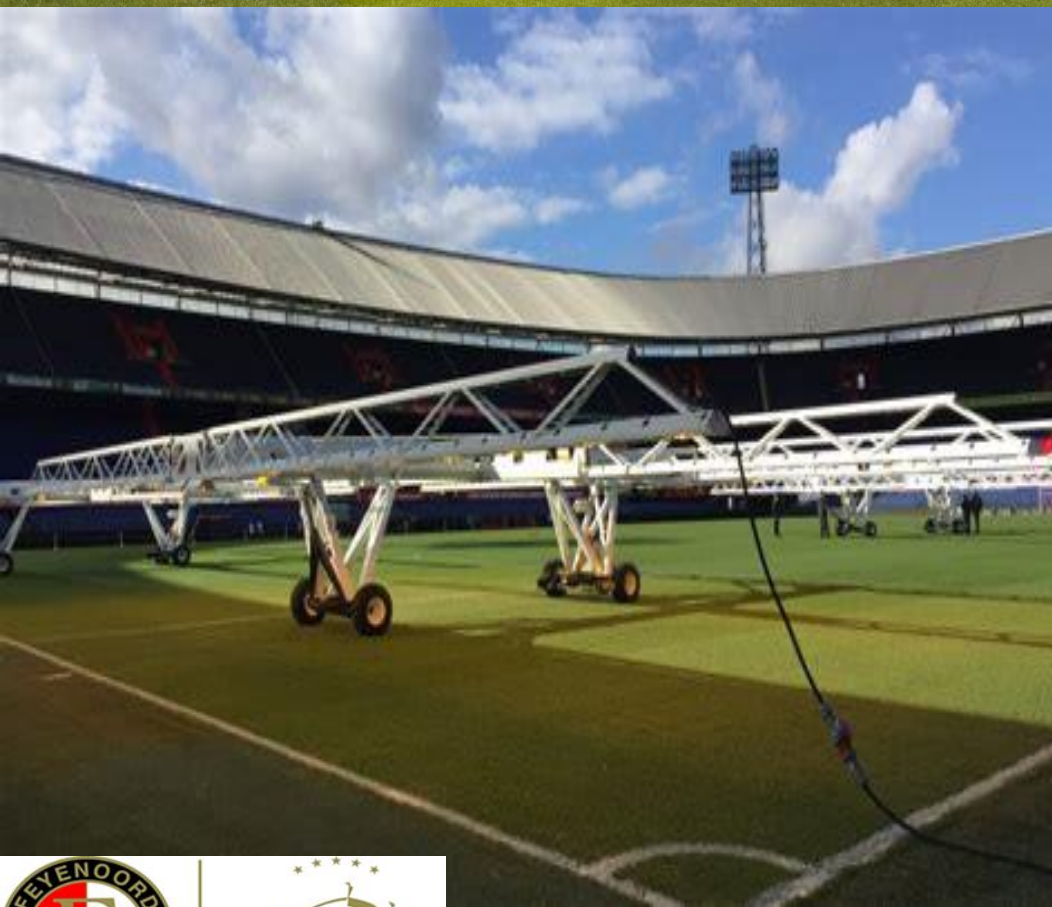
- Januari 1992

Greenkeeper Golf Duinzicht

Vier keer op een rij
de mooiste grasmatten
van de Eredivisie!



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Training facilities

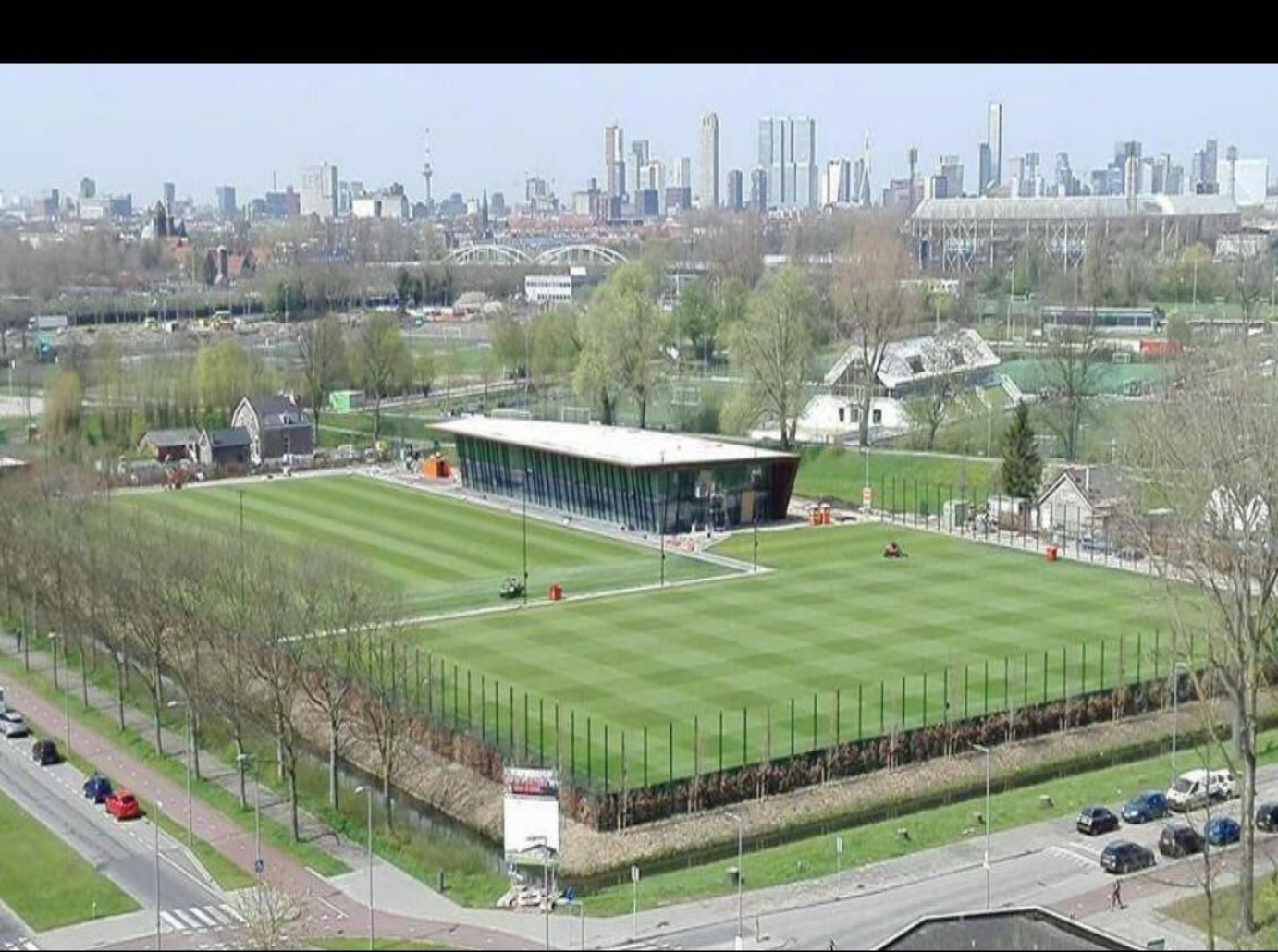
Crewmembers Trainingscomplex 1908 (Feyenoord sinds 1908)

- Head fieldmanager E.Beltman
- Assistent Head fieldmanager W.Leffaar
- Assistent Head fieldmanager H.Boverhof
- Fieldmanager R.Bruijne
- Fieldmanager M.de Graaf
- Fieldmanager P.de Klerk
- Fieldmanager / Gardner R.Trouwborst

Training facilities

Trainingscomplex 1908 (Feyenoord sinds 1908)

- Natural grass field (with field heating) numbers; 1
- Desso grassmaster (with field heating) numbers; 1
- Keepers area
- Performance artificial grass strip



Training facilities

Machine park

Mowers;

- Infiniticut (ClubCadett) 4stk.
- Rotary mower (Toro) 4stk.
- Toro Reelmaster 1stk.
- Shibaura 4wd 1stk.
- Dennis Pro 34R 3stk.

Transporters and Tractors;

John Deere 3037

Gator (electric)

Toro Workman

Toro Outcross

Training facilities

Remaining materials

- Trailed sprayer
- Overseed (Redexim)
- Vertidrain
- Toro Procore 2stk.
- Tru-turf (slitter / roller)
- Carrier (Redexim)
- Fieldtopmaker (Campey Turf)



Training facilities

Renovation

Renovation training fields

- 1st field will be renovated in April ± 10 weeks before the first training session
- 2nd field will be renovated in May ± 7 weeks before the first training session
- Scrape top layer / remove old top layer
- Sweep
- Desso grassmaster by jiggling the rakes up the fibers
- Vertidrainage at a depth of + 22cm
- Sowing by Vredo, with 100% RPR Barenbrug
- Strained with + 8m³ sand of sand

Renovation training fields (old training complex)

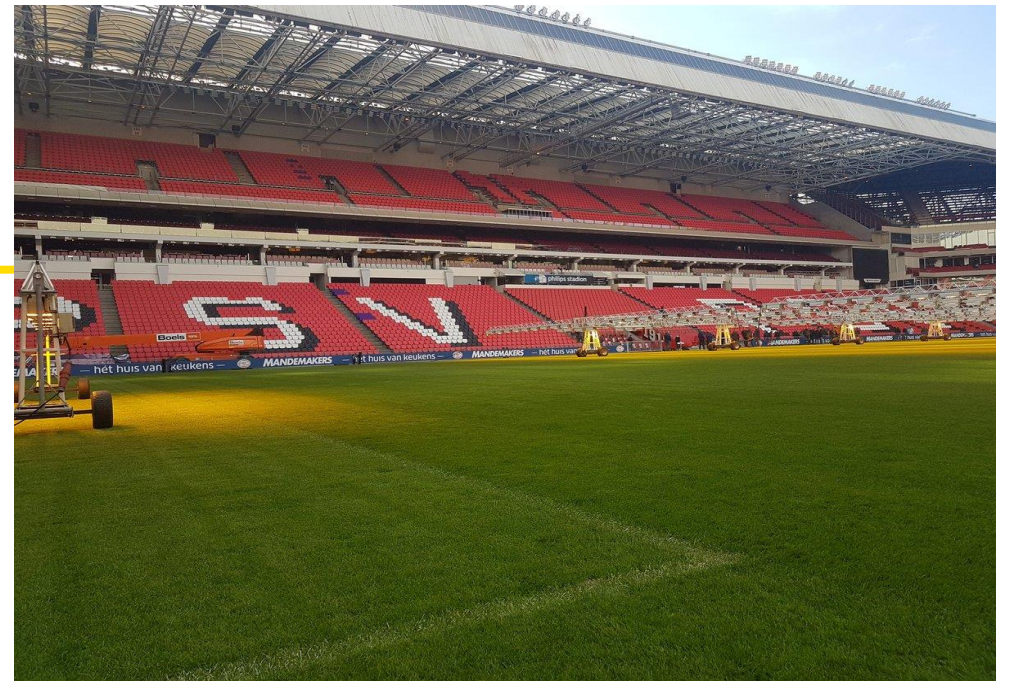


New trainingsfacilities

<https://youtu.be/xFCGuInbNgl>

BVO 2019 Philips Stadium

- Location: Philips Stadium
- 10 year anniversary, paid soccer organization
- 22 payed football clubs
- Over 70 Fieldmanagers
- First time that Fieldmanagers of football organizations with artificial grass were present, a lot of interest among these clubs for converting artificial grass to natural grass!



BVO 2019 PSV-Philips Stadium





1	Feyenoord	5
2	AZ	4,2
3	AJAX	3,8
4	PSV	3,8
5	FC Utrecht	3,7
6	FC Groningen	3,7
7	Willem II	3,6
8	Vitesse	3,5
9	Herenveen	3,2
10	De Graafschap	3,1
11	NAC	3
12	Fortuna Sittard	2,8
13	Heracles Almelo (K)	2,1
14	PEC Zwolle (K)	2
15	ADO Den Haag (K)	1,7
16	VVV-Venlo (K)	1,6
17	FC Emmen (K)	1,4
18	Excelsior (K)	1,3



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1937

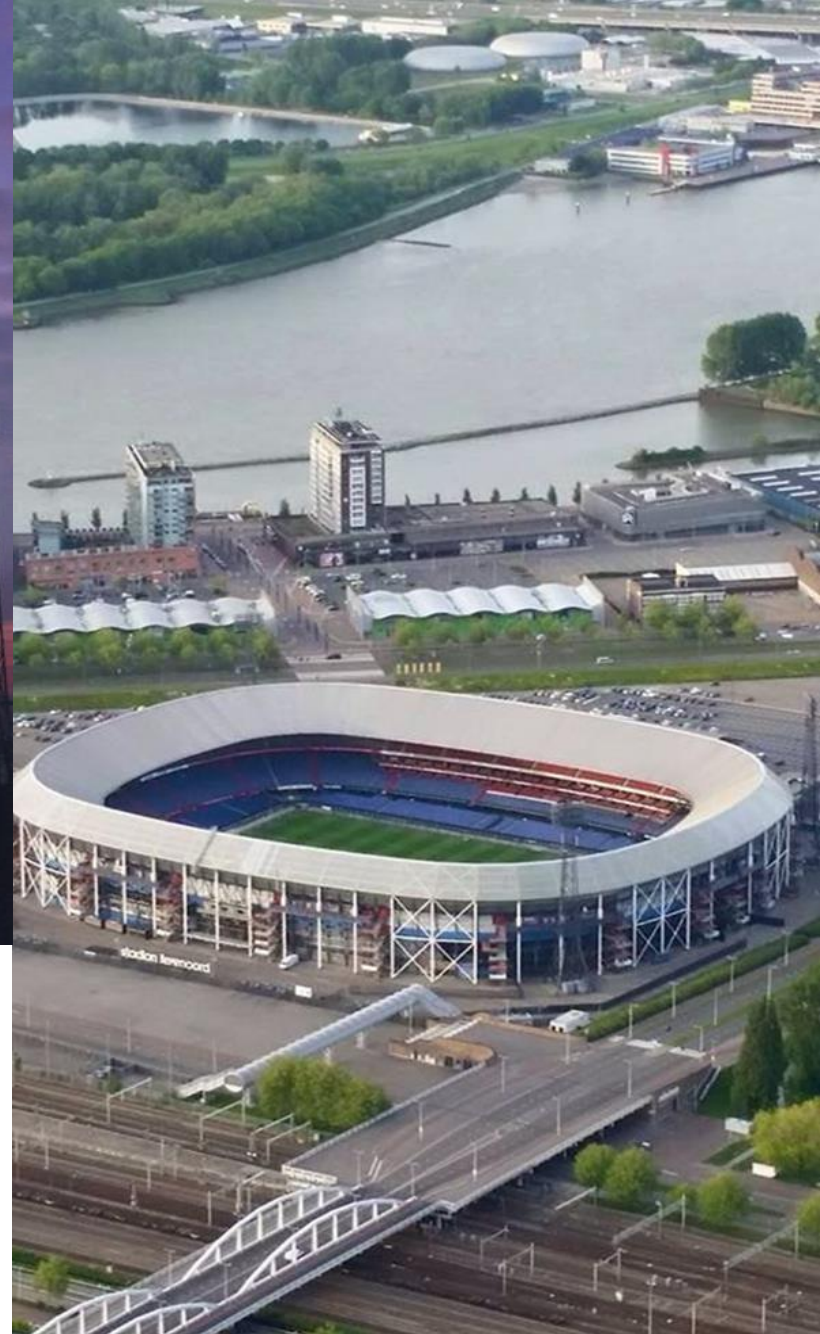


2019



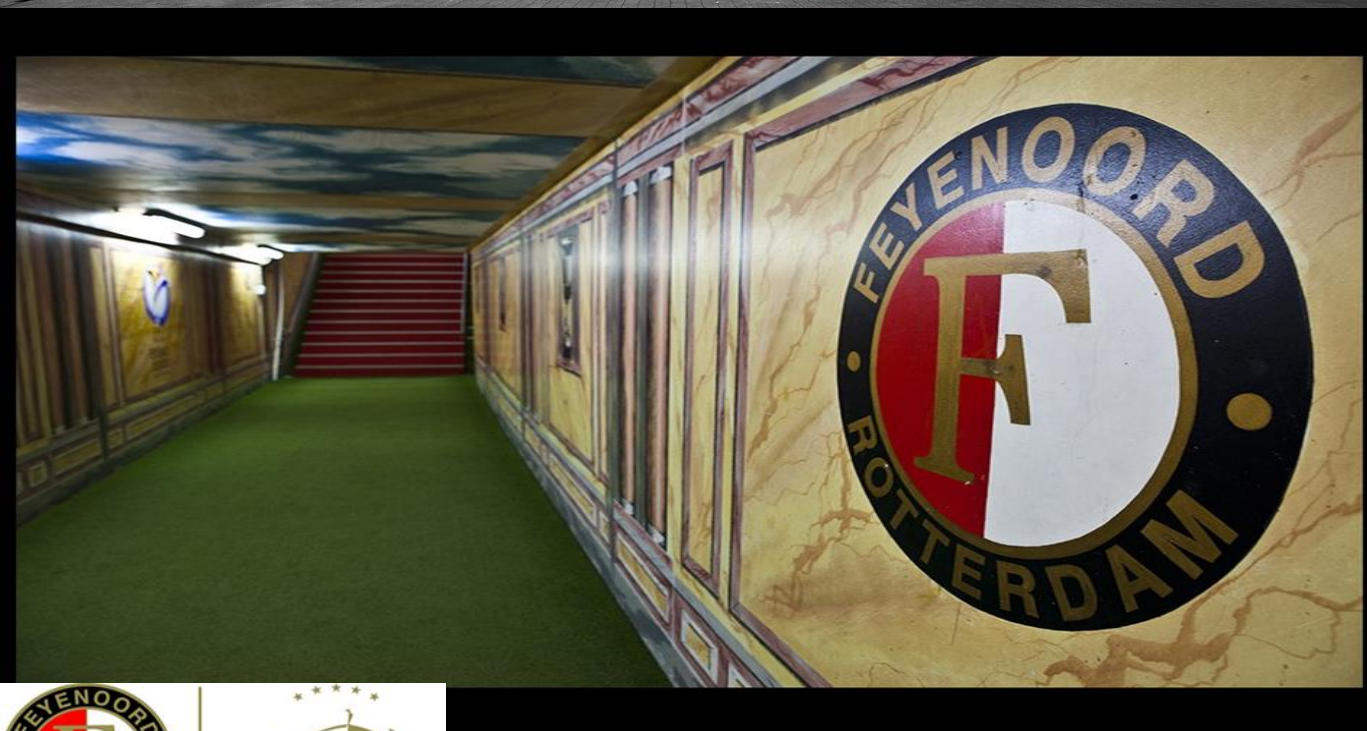
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Stadium pitch

Crewmembers Stadium pitch

- Head fieldmanager E.Beltman
- Assistant Head fieldmanager H.Boverhof
- Assistant Head fieldmanager W. Leffelaar
- Fieldmanager R.Bruijne
- Fieldmanager M. de Graaf
- Fieldmanager F. Koelman (hired strength 3 days p.week + competition days)
- Volunteers on match day (2 á 3pers.)

Matchday during summertime

- If necessary, drag dew
- Length mowing, with Dennis mower 2.3cm á 2.4cm
- Brushing for cutting out in width (optional)
- Mow width, with Dennis mower 2.3cm á 2.1cm
- Lines main field, with stamp carriage in two directions (for a nice smooth white color)
- Placing competition goals + placing reserve targets for the w-up
- Place corner flags

Matchday during wintertime

- Removing any covers
- Removing the SGL Units
- If necessary, drag dew
- Length mowing, with Dennis mower (optional / weather dependent) 2.5cm á 2.4cm
- Brushing for cutting out in width (optional / weather dependent)
- Width mowing, with Dennis mower 2.4cm á 2.3cm
- Lines main field, with sprayer in one direction
- Placing competition goals + placing reserve targets for the w-up
- Place corner flags

Matchday

- The removal of any covers
- Removing the SGL Units
 - LU440 9pc.
 - MU50 2pc.
 - MU18 2pc.



<= Electric drive



Matchday

- Length mowing, with Dennis mower (optional / weather dependent) 2.5cm á 2.4cm
- Width mowing, with Dennis mower 2.4cm á 2.3cm
- Straight mowing (separation from light to dark) mowing by means of to cut along rope



Matchday

- Lines main field in the summer with the stamping carriage
 - Ready-made paint
- Lines main field in the winter with the spray trailer
 - Dilute with water
- Turning off ropes to obtain straight lines
- Tailor-made ropes
- In concrete edge along the artificial grass strip
his reference points measured to the rope
confirm



Matchday

- Placing match / competition goals
- Place reserve targets
- Place corner flags



Matchday

Sunday - 14.30



Matchday

Sunday - 15.15 halftime

- Chek captain for water on the pitch
- If so; put irrigationsystem on
- If not; helping rest of the crew repair damage on the pitch



Matchday

Sunday 16.15 end of the game

- Discard match targets + remove corner flags
- Using circular mowers to clean up all parts that have come loose from the field
- Scarifying, brushing for "low-fleece" or sowing with RPR or SOS, temperature-dependent (optional / weather-dependent)
- Repair the damage
- Replace SGL Units on the field and connect + MU50 and LU50
- Replace any covers if necessary
- Clean machines

Stadium pitch measuring equipment

- SGL- boxes
 - Moisture content
 - Light intensity
 - EC content
 - Soil temperature
 - Outside temperature
 - Leaf wet
 - Humidity



Stadium pitch measuring equipment

- Moisture meter
- soil temperature gauge



Events after the football season











Stadium pitch

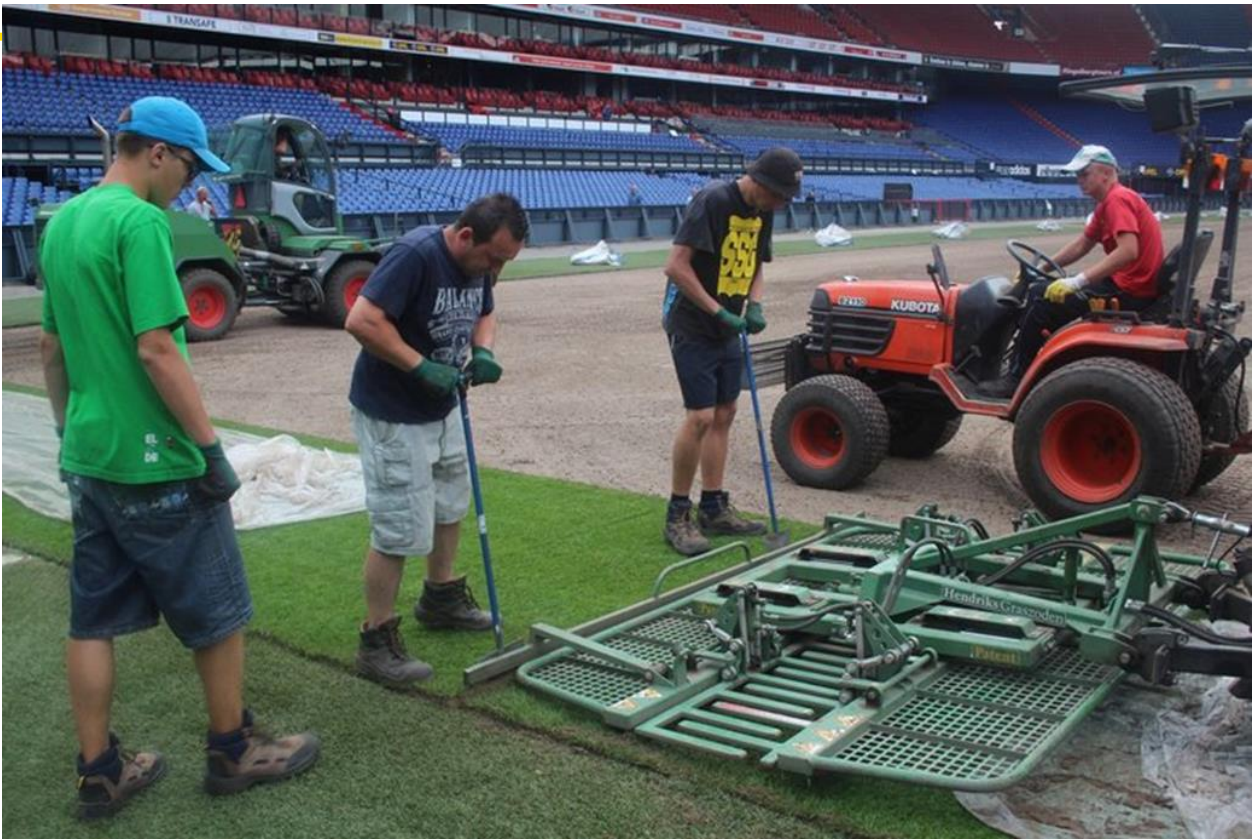
Renovation

Renovation stadium pitch

- Main stadium stadium ready for use; \pm 2 to 3 weeks before the first match
- Scraping top layer / removing old top layer *day 1*
- Sweeping *day 1*
- Vertidrainage at a depth of + 22cm *day 1*
- 'Feeding new soil' to kilo out irregularities with the kilverbak *day 1*
- Fertilize main field with stock fertilizer + wetting agent *day 1*
- Returf *day 2*

Returf after events





Stadium pitch renovation

Returf Day 2

- Immediately after rolling Hendriks Graszoden (during re-bidding), aerate with the Toro procore

Returf Day 3

- 'Lesser parts' such as; Poa Annua, remove (on) herbs

Returf Day 4

- Rolling and / or mowing



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Questions?



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Thank you for listening



E. Beltman



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