

UVA alleviates labor shortage and produces impeccable fields with the Turf Tank Robot



The University of Virginia is an iconic institution for public higher education, with a powerful NCAA Division I athletics program.

Challenge Maintaining fields in pristine condition is no easy job when done manually

- 15 acres of natural grass + 8 acres of synthetic fields
- A wide range of sports
- High expectations worthy of an NCAA athletics program
- Understaffed
- Time-pressure

Cutting corners affects the quality of the fields

Solution

2020: UVA becomes one of the first in the NCAA Division I to adopt robotic line marking technology



Before

4 people

Pulling strings

28 manhours

for 2 football practice fields

Now

1 person

5 minutes setup

6 hours autonomous line marking



"It's a huge help for us having the Turf Tank. It really helps keep the quality high and allows us to get the fields painted and meet the coaches' expectations"

- Jesse Pritchard, Turf Manager



1-man job

Overcome labor shortage



3 h

Saved on each football field for other tasks



Pristine condition

Fit for an NCAA Division I program