Firefly
A Light Show using Drones
Goal

• In modern times people interact more and more with technology, but still mostly as tools.

• We want to show that technology can not only be used functionally but also serve to entertain.
Goal
Partners

• Collaborate with drone developer Avular, who have provided the Curiosity drones used in this project. Further develop Curiosity alongside the company.

• Perform the show at Robot Love event in September.
Technical Challenges

Control
• Every motion is visible so the controller must be stable
• Controller must be able to realize fast trajectories

Localization
• Performance is indoors so no GPS
• Make use of Ultra WhiteBand localization
Soft skill Challenges

Design
• Design custom shows
  • Limited motions possible
• Develop an app to generate trajectories

Management
• Arrange shows
• Promote the team
Sign up now

- Contact d.antunes@tue.nl
- Incorporate in your motivation letter what you find most interesting about the project.