



Dutch Implementation Of European UAS Regulations

BE-NL Drone Diner @ ADW
4 October 2019

 AirHub



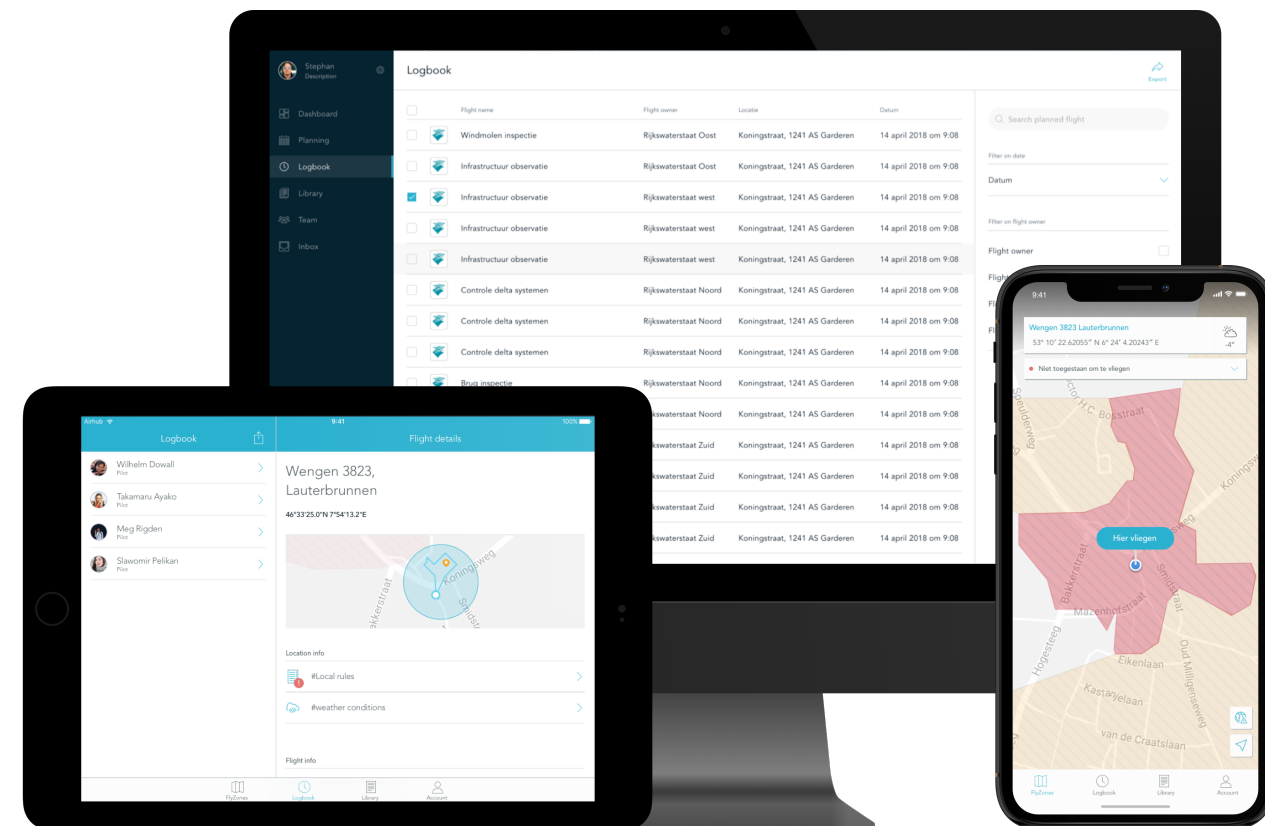
Presentation Topics

- Introduction of AirHub
- Market Status in The Netherlands
- Dutch Regulations vs. EU Regulations
- Implementation in The Netherlands
- AirHub SORA Tool
- Dutch Drone Delta



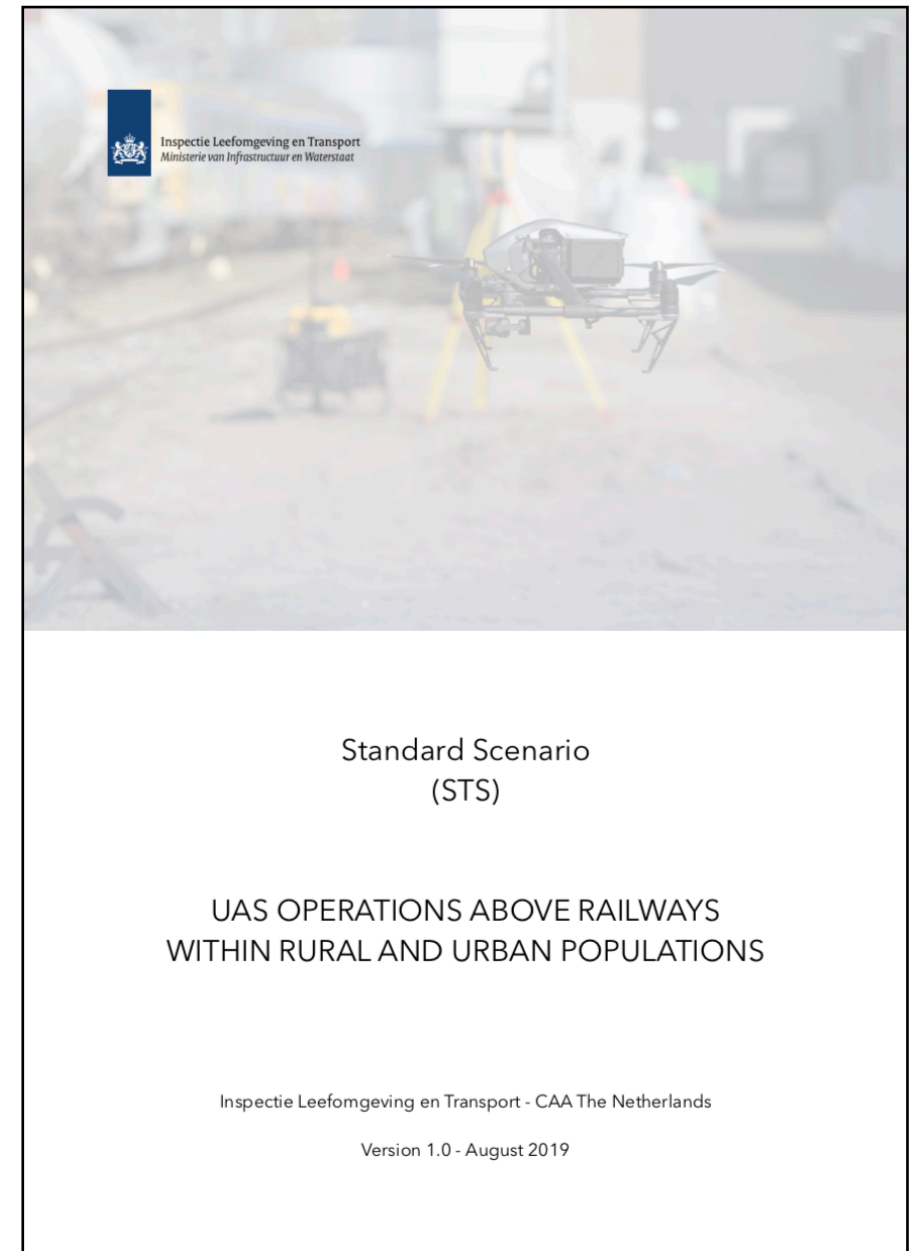
Introduction of AirHub

- Drone Operations Software and Consultancy Services
- Goal: Safely, legally and efficiently integrate drones and UAM into our society
- Drone Operations App: iOS, Android and Web
- Advisors to the Dutch Civil Aviation Authority
 - STS Operations within congested area
 - STS Operations above railways (with ProRail)
 - STS BVLOS ops above sparsely populated areas (Q1)



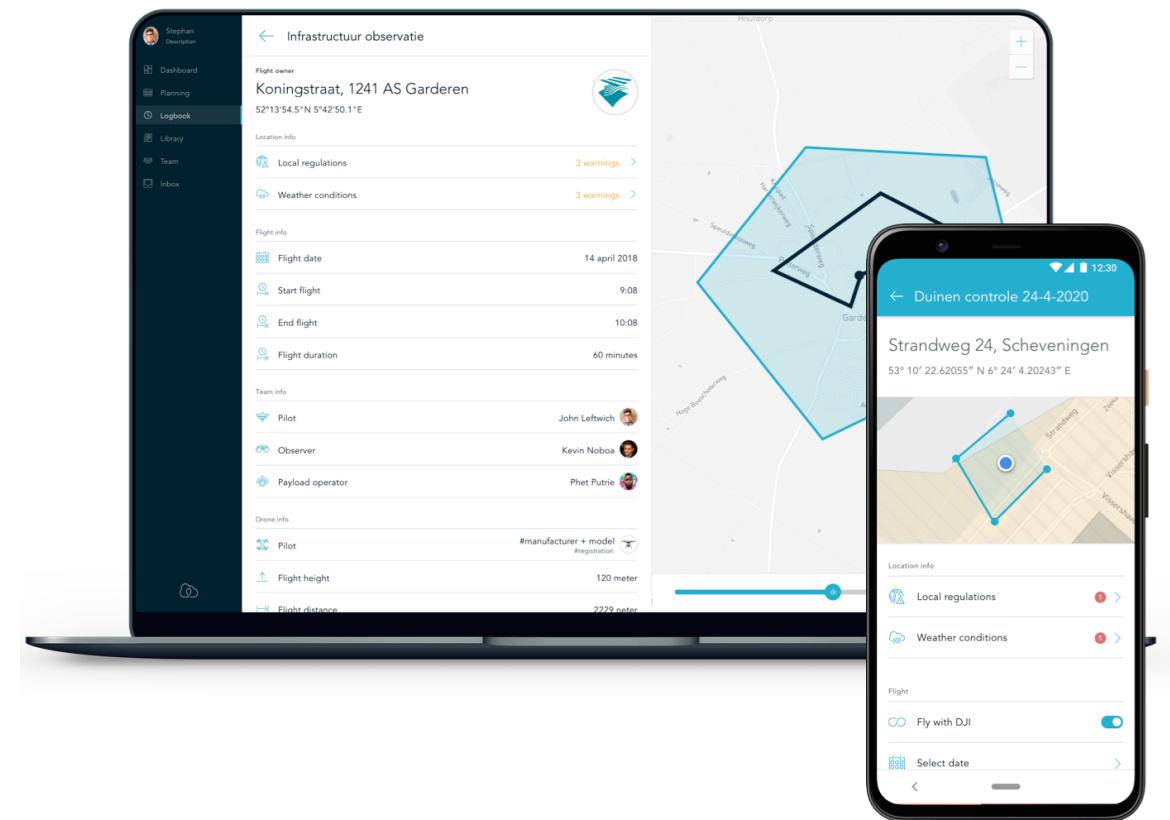
Market Status in The Netherlands

- Professionals operators as per October 2019:
ROC: 89 (doubled over the last 2 years)
ROC-Light: 946 (multiplied by 7 over the last 2 year)
- Registered drones as per November 2019:
2358 Remotely Piloted Aircraft Systems
48% of all registered aircrafts



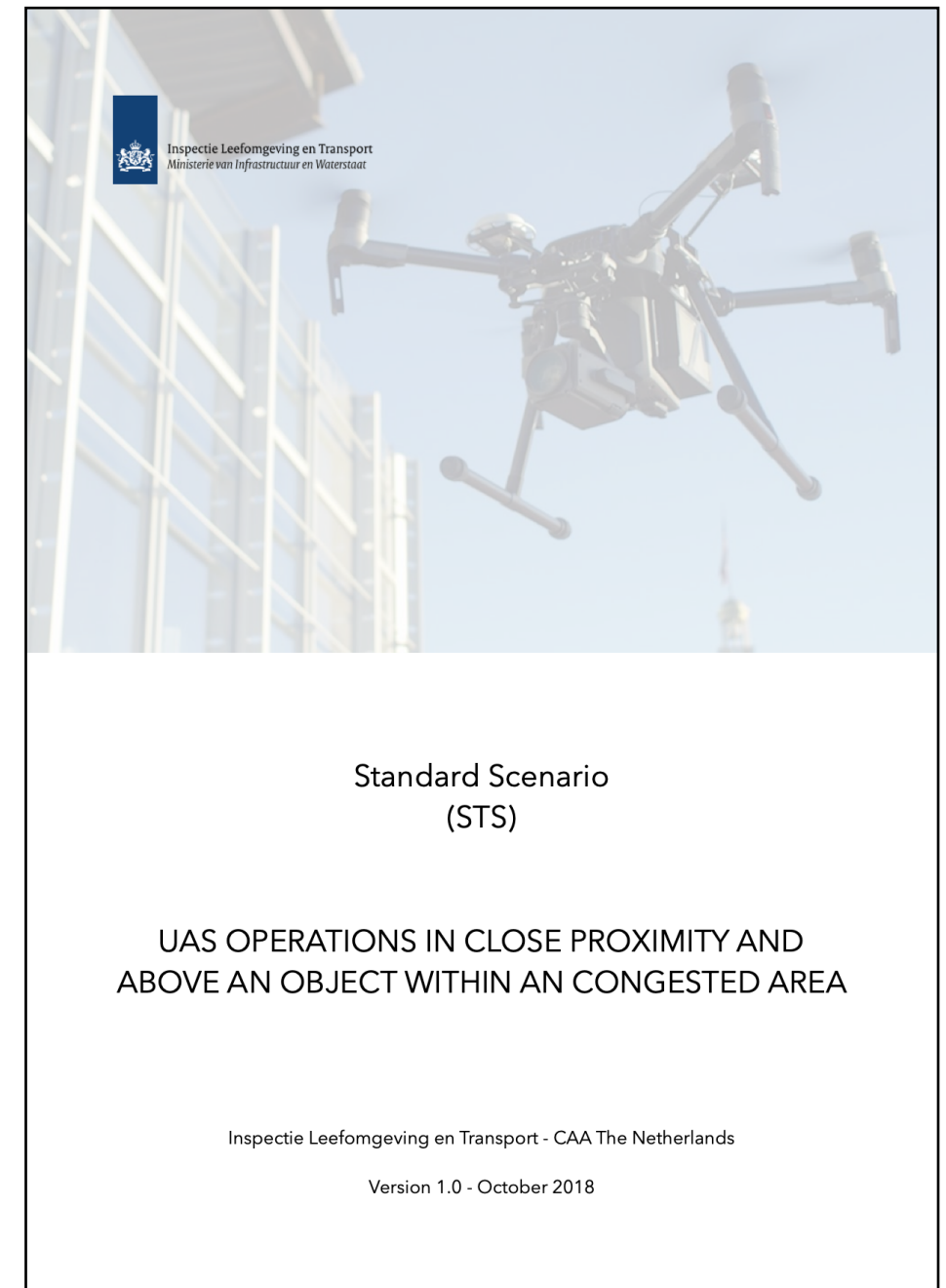
Dutch Regulations vs. EU Regulations

- Rule Based vs. Risk Based: more flexible
- No more difference between recreational and professional
- Open Category comparable with ROC-Light (weight limitations (except 25kg limit), airworthiness requirements and operational limitations)
- RPAS Operator Certificate comparable with VLOS operation in controlled ground area @ SAIL II/III



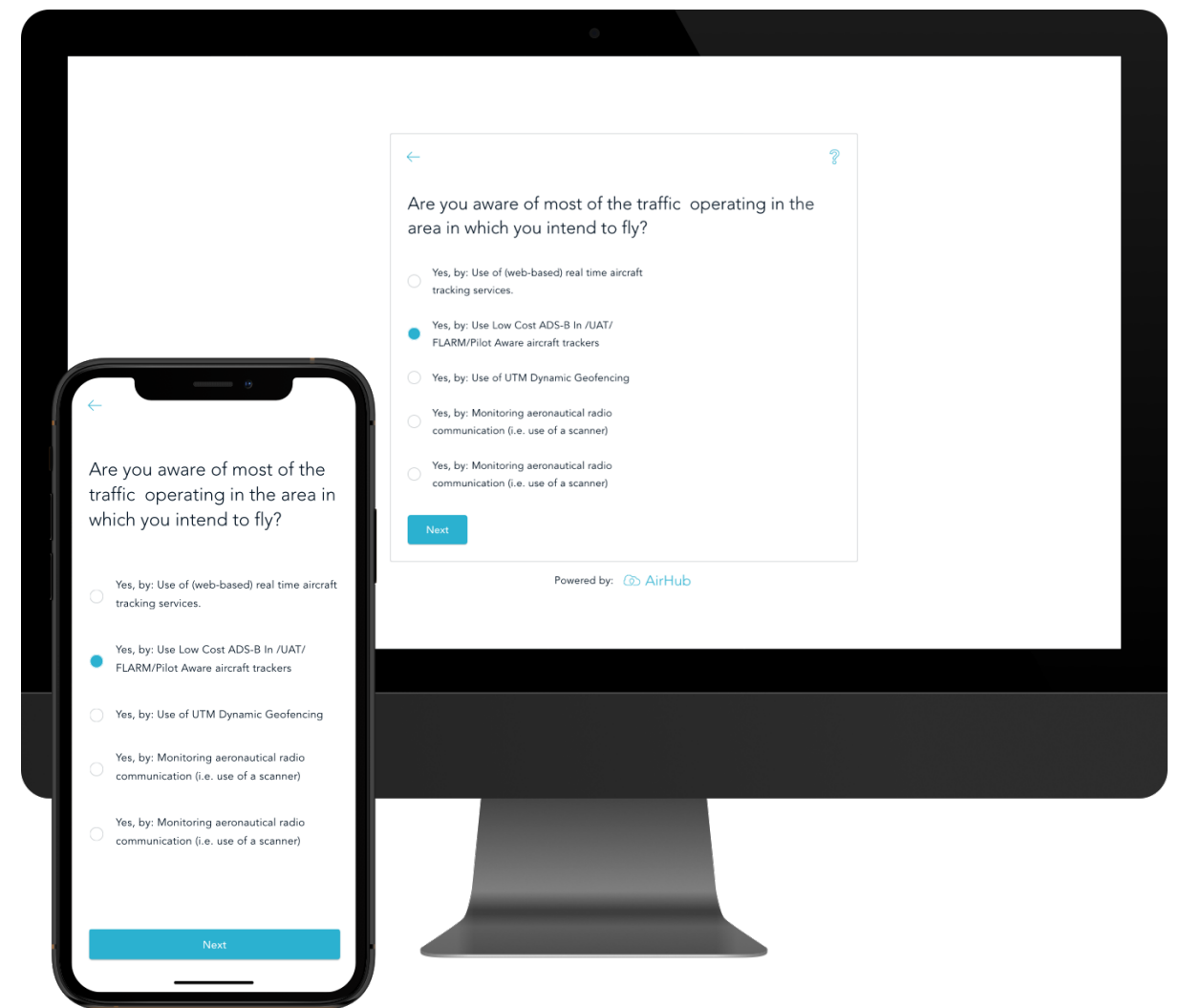
Implementation in The Netherlands

- Policy developed by Ministerie van I&W
- Execution largely by Inspectie Leefomgeving en Transport
- 3 Standard Scenarios developed (ops. in outer ring CTR, congested area (contr. gr. area) and ops. above railways)
- Coming up: BVLOS operations above sparsely populated area, operations above congested areas, operations in North Sea Area Amsterdam



AirHub SORA Tool

- Developed together with Dutch drone industry
- Easy to use tool to go through SORA
- Provides complete overview of requirements to gain operational authorisation
- Beta programme announced tomorrow:
write us at info@airhub.nl if you want to you



Dutch Drone Delta

- Collaboration of 11 large enterprise, lead by AirHub
- Goal: Create sustainable social, environmental and economic impact through drones and Urban Air Mobility
- 5 Tracks
 1. Social Embracement
 2. Autonomous long distance flights
 3. Integration of manned and unmanned traffic
 4. Drone delivery
 5. Personal Air Mobility



"Drones overall will be more impactful than I think people recognize, in positive ways to help society."

- Bill Gates