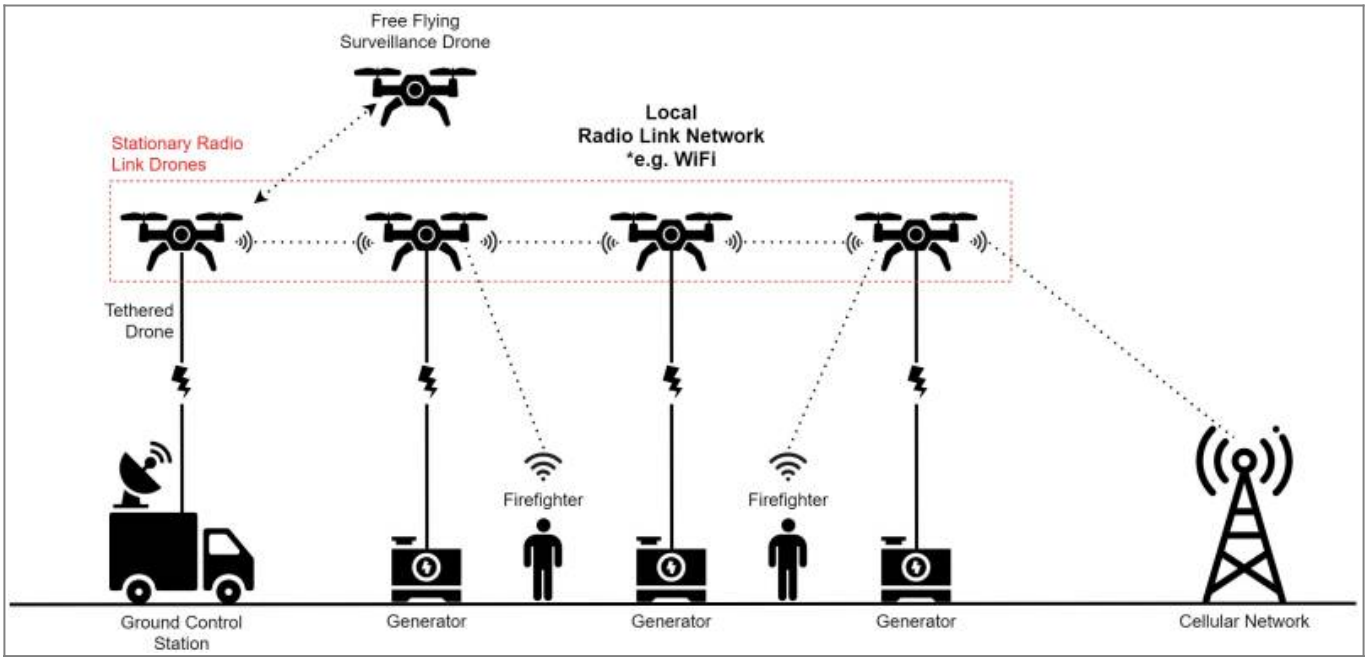
Emergency Drone - Projektidee INTERREG D-NL

Arbeitspaket Funkdrohne



Fliegendes Multi-Hop-Kommunikationsnetzwerk für Einsatzkräfte, basierend auf stationären kabelgebundenen Drohnen.

emergency_drone_mwike_2023-05-25_v015_rb.pdf

TRL 4 – Technology Validated in Lab



Tethered Communication Drone (2023-02-28)
at the Green FabLab of HSRW Kamp-Lintfort.





Maiden flight of the Tethered Communication Drone.

Flight Logbook

Date	28-02-2023
Time	from 11:38 to 12:26
Location	Green Fablab Kamp-Lintfort

- Power consumption of the tethered drone

State	**mains power consumption (230V)**
motors off, connected to mains power	~150W
flying, connected to mains	~1500-1800W
flying, disconnected from mains	0W

```
jan@NB3695307:~$ iperf -c 10.180.12.3
------------------------------------------------------------
Client connecting to 10.180.12.3, TCP port 5001
TCP window size: 85.0 KByte (default)
------------------------------------------------------------
[  1] local 172.24.101.113 port 57004 connected with 10.180.12.3 port 5001
[ ID] Interval       Transfer     Bandwidth
[  1] 0.0000-10.5482 sec  64.3 MBytes  51.1 Mbits/sec
```



Material of DLRG

Links

- Kreisleitstelle Wesel
- Moorbrand in Limburg, 2022-08-22
- ZDF frontal - Digitaler Behördenfunk in der Flut: "Bewährungsprobe nicht bestanden"

Work Packages Index

We (as HSRW - EOLab) are responsible for work packages 3, 4, 5 and 7. The following section represents our main index of information, links and resources relevant to the progress and development of each work package.

- Work Package 3 - Antenna drone
- Work Package 4 - Radio transmission technology
- Work Package 5 - SAR-Drone (search and rescue drone)
- Work Package 7 - Interoperability

From:
https://wiki.eolab.de/ - **HSRW EOLab Wiki**

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https://wiki.eolab.de/doku.php?id=eolab:emergency_drone:start&rev=1706903742

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