

Emergency Drone

Arbeitspaket Funkdrohne

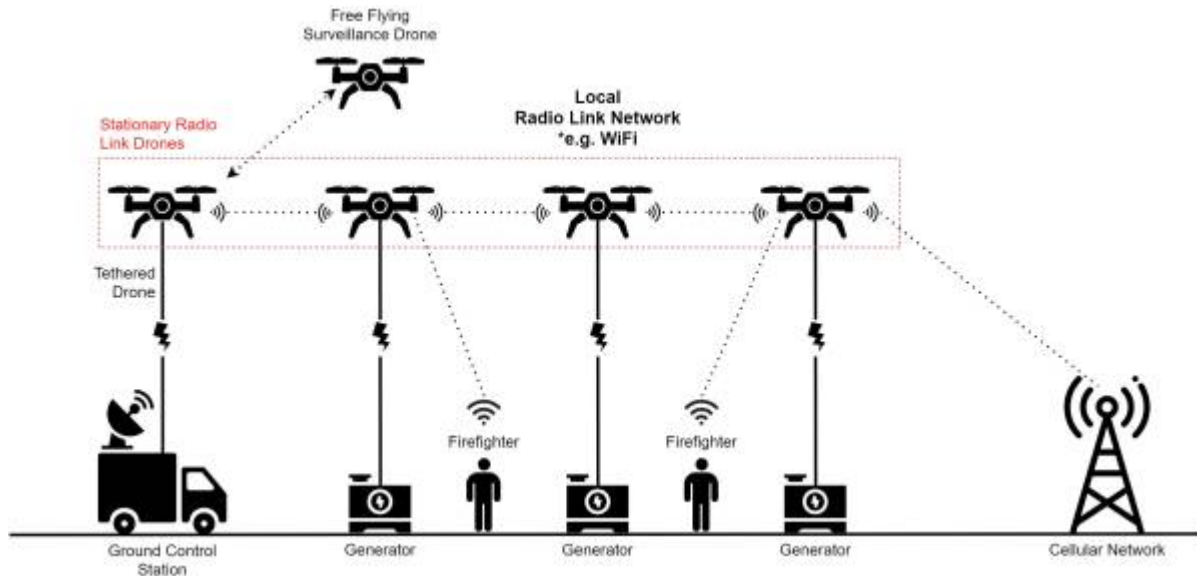


Fig.: Fliegendes Multi-Hop-Kommunikationsnetzwerk für Einsatzkräfte, basierend auf stationären kabelgebundenen Drohnen.

TRL 4 - Technology Validated in Lab



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



Video

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"](#)

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