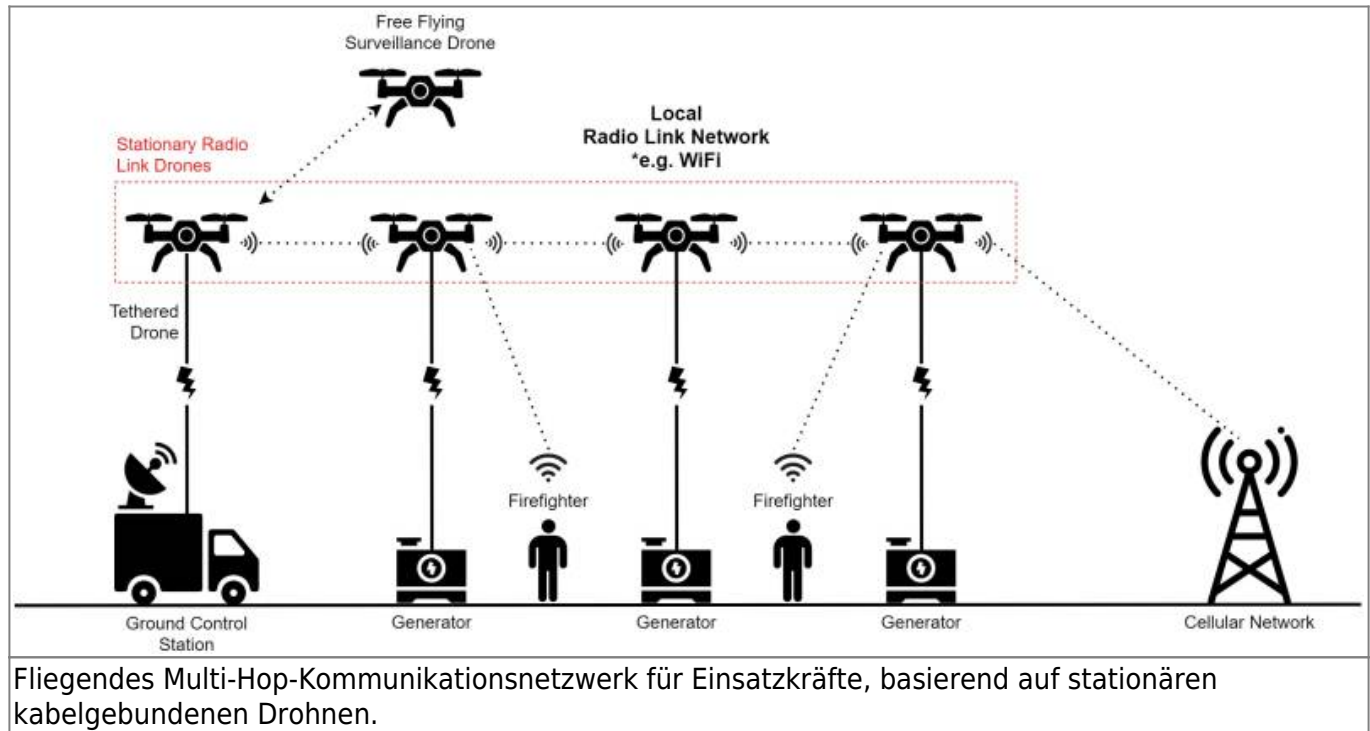


# Emergency Drone - Projektidee INTERREG D-NL

## Arbeitspaket Funkdrohne



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.



Video



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"](#)

## 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

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Last update: **2024/02/02 20:55**

