

Utility Drones



Fig.: Utility drone equipped with sprayer unit.



Fig.: Tethered utility drone with sprayer.

Draft Video on Spray Drone and Lighting Drone

- **Part 1:** Spray Drone
- **Part 2:** Lighting Drone

[draft_drone.mp4](#)

Video: (1) Spray Drone, (2) Lighting Drone.

Draft of a wireless-network-attached Drone



Fig.: Tethered utility drone with network devices.

- 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 |

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