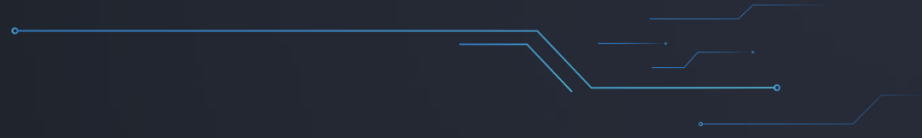




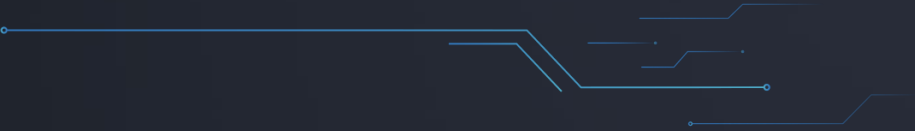
L10 spraying series

Background



- ✕ More than 10 years of experience in agriculture
- ✕ Cooperation with the biggest engineering university of Hungary
- ✕ Experience with all agricultural drones available worldwide



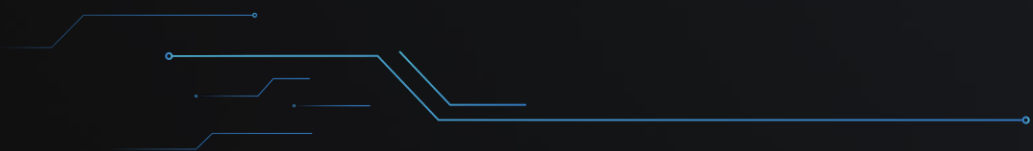
- 
- ✗ No stable spare parts supply
 - ✗ European repairs and support is not a priority
 - ✗ Significant waste of water and chemicals, drift
 - ✗ Data security
 - ✗ Undersized batteries, developed for soy and rice



Demand for an efficient spraying drone developed by european standards

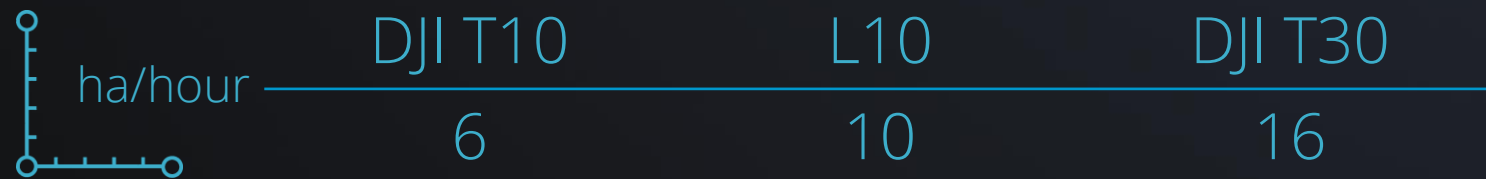
Main point of a good spraying drone

- 🔧💰 Efficiency
- 🛡️✅ Reliability
- 🔧🛠️ After sales service
- ⚙️💰 Cost effective operation
- 📊📏 Flight planning
- 🧳👤 Portability



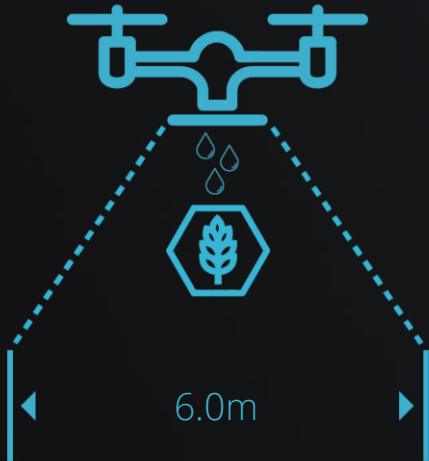
Efficiency

- ✕ CDA spraying system
- ✕ Flow rate: 4.8L/min
- ✕ Adjustable droplet size
- ✕ Minimal drift





Adjustable working width





Reliability – CE certification



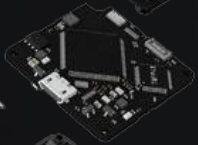
FLIGHT CONTROL:

- ✂ Triple redundant IMU
- ✂ Advanced RTK



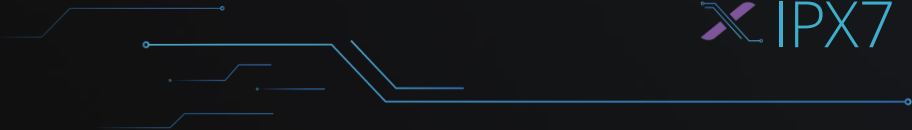
SPRAYING SYSTEM:

- ✂ Brushless pump and disks
- ✂ 3 phased filtration system
- ✂ Modular design



POWER SYSTEM:

- ✂ 16000mAh akkumulátor
- ✂ FOC ESC
- ✂ IPX7 brushless motors





Maintenance, repairs and support



- ✕ Hungarian made
- ✕ Local service centers
- ✕ Stabil spare parts supply
- ✕ 300 hours mandatory maintenance
- ✕ Replacement drone during repairs



Cost-effective operation

Operational costs per flight

- ✕ 300 hours maintenance: ~0,1 EUR ●
- ✕ Insurance: ~0,1 EUR ●
- ✕ Charging: ~0,3 EUR ●
- ✕ Battery life span: 0,8-4 EUR ●

Effective battery management:

- ✕ 80-45%: one tank
- ✕ 100-30%: two tank
- ✕ Option for slow charge





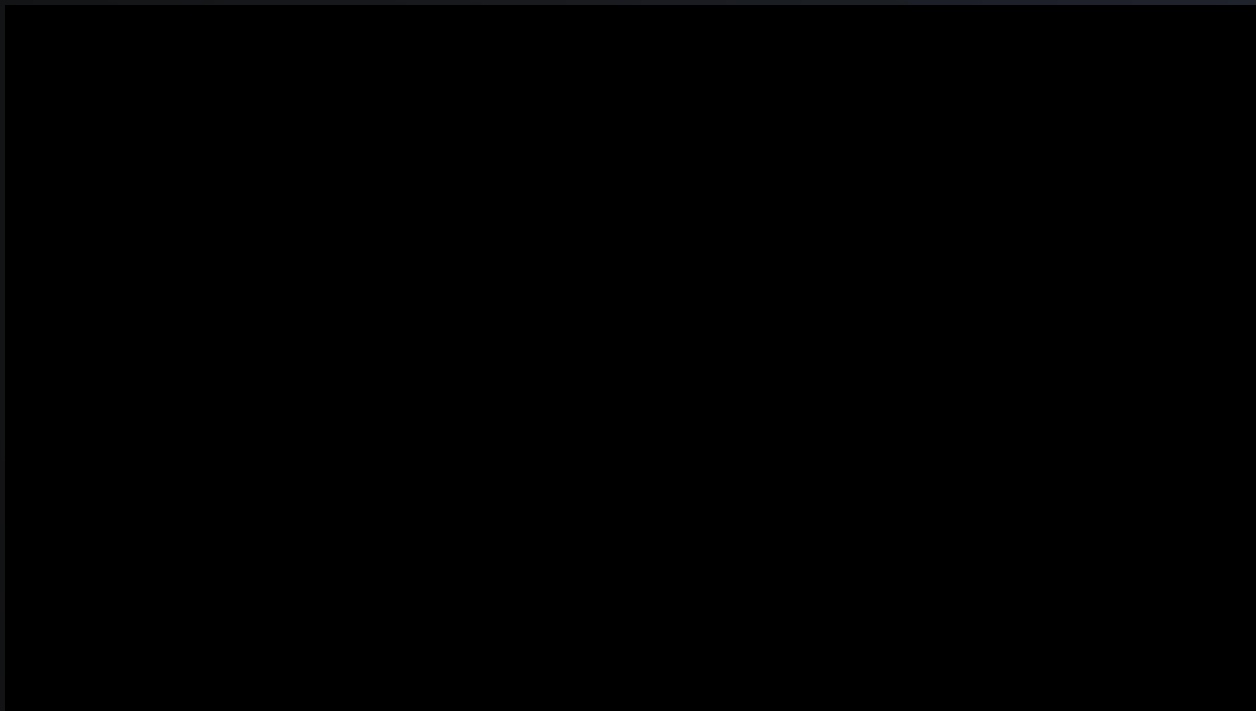
Flight planning application



- ✕ Data security
- ✕ Drone position based planning with RTK accuracy
- ✕ Mapping in advance: SHP or KML
- ✕ Adjustable droplet size
- ✕ Automatic spraying
- ✕ Flight planning over the lines
- ✕ Preconfigured spraying parameters



Portability



- ✂ Foldable frame
- ✂ 3,2 kVA generator: 6-8 flights/hour
- ✂ 6,3 kVA generator: 10-12 flights/hour

