



Funding Request

BW-C45 Prototype · Budget & Procurement

Immediate prototype sprint budget · EUR 53,000 (documented procurement). Broader pre-seed scope referenced in Program Overview deck. · €53 000

1. PROGRAM STATUS

Mission OS	tests	scen.	parts	mfg
TRL 4	235+	220	71	Active

2. COMPLETED WORK

- Mission OS development
- Digital Twin environment
- Simulation campaign
- Prototype manufacturing
- Current integration activities

3. PROGRESS

Total €53 000

#	Item	Purpose	EUR	Status
1	Airframe Structure	Carbon tubes, fasteners, EPM payload interface module	€8 200	In Progress
1	3D Printing Materials	PETG, PETG-CF, adhesives for prototype airframe	€6 500	Active
1	Workshop Setup	Bench, storage, safety for prototype build	€3 600	Active
1	Print Wear & Consumables	Nozzles, beds, spare parts for active print campaign	€2 800	Active
2	Avionics	Flight controller, ESC, sensors, wiring harness	€11 500	Planned
3	Tools & Fixtures	Jigs, measurement, ESD for assembly integration	€5 800	Planned
3	Ground Electronics & Power	PSU, chargers, telemetry for prototype operation	€4 200	Planned
3	Simulation & Compute	Software, cloud compute supporting integration	€2 700	Active
4	Ground & Hover Testing	Stands, props, safety for verification campaign	€4 900	Planned
5	Reporting & Reserve	Shipping, documentation, contingency (~5%)	€2 800	Reserve

4. FUNDING ALLOCATION

Manufacturing		39.8%	€21 100
Electronics		16.0%	€8 500
Avionics		21.7%	€11 500
Power Systems		7.9%	€4 200
Testing		9.2%	€4 900
Reserve		5.3%	€2 800

5. WHY COSTS REMAIN PRELIMINARY

- Ground testing not completed
- Flight testing not completed
- Final production cost unknown
- Program under engineering evaluation

6. EXPECTED OUTCOMES

- Prototype completion
- Subsystem integration
- Ground testing
- Flight testing
- Engineering evaluation