VENTUS

CLOSE-QUARTERS INSPECTION MULTIROTOR

STATUS · PLANNED

Precision station-keeping against turbine blades and solar rows — macro imaging in ground-effect turbulence.

AIRFRAME SPEC

CLASS	CLOSE-QUARTERS INSPECTION MULTIROTOR
STATUS	PLANNED
MISSION	ENERGY ASSET INSPECTION
HOLD	Blade-relative
OPTICS	EO macro + thermal
ENVELOPE	Confined / turbulent

THE MISSION · CIV-05

ENERGY ASSET INSPECTION

The same orbit logic that refines a track flies a blade-following scan: leading-edge erosion and lightning strikes geotagged to the exact blade station. Over solar arrays, thermal passes find hot cells and failed strings before they show in the yield curve. No rope team, no wasted shutdown window.

PAYLOAD
EO macro imaging + radiometric thermal

PROFILE
Blade-follow scan · row-following grid · repeat baselines

OUTCOME
Defects geotagged to blade station · per-panel fault map

REGIONS
North Sea · Baltic · Gulf desert solar