

CONFIGURATION

PLATFORM

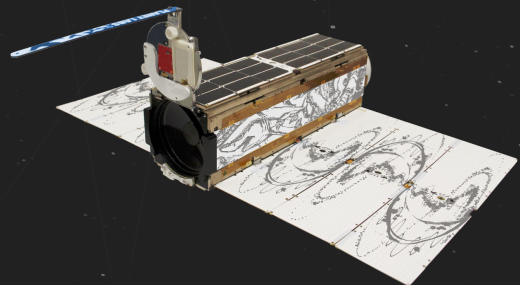
TYPE	Custom
TOTAL MASS	5 <small>KG</small>
FRONT AREA	1950 <small>M2</small>

THRUSTER

TOTAL POWER	60 <small>W</small>
THRUSTER POWER	9 <small>W</small>
THRUSTER POINTING	On-Axis <small>DEG</small>
LIMIT THRUSTER MASS	20 <small>%</small>

ORBIT

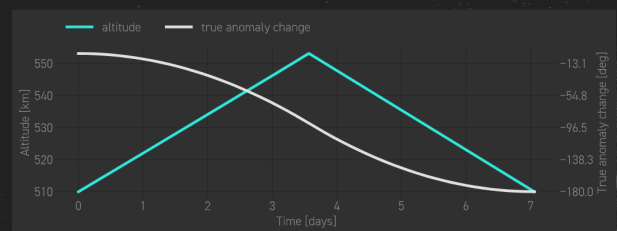
ORBIT TYPE	Circular
INITIAL ORBIT INCLINATION	98 <small>DEG</small>
INITIAL ORBIT ALTITUDE	510 <small>KM</small>



MANEUVERS

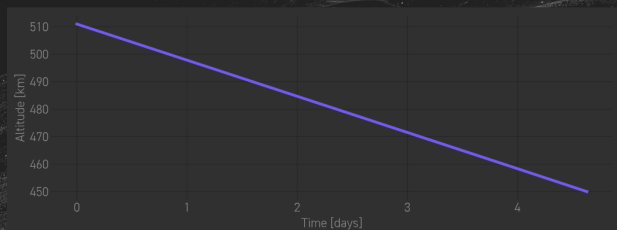
01 - ORBIT PHASING

MANEUVER DURATION	8.0 <small>DAYS</small>
RELATIVE RAAN SHIFT	0.0 <small>DEG</small>
TRUE ANOMALY SHIFT	180 <small>DEG</small>
RAAN SHIFT COMPENSATION	true



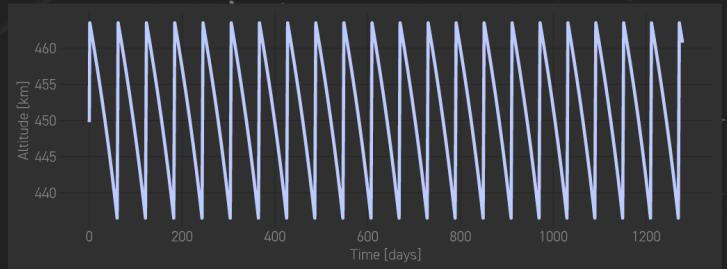
02 - ORBIT TRANSFER

MANEUVER DURATION	5.0 <small>DAYS</small>
MIN / MAX ALTITUDE	450.0 <small>KM</small>
ORBIT TYPE	Circular
TARGET ALTITUDE	450 <small>KM</small>
TARGET INCLINATION	98 <small>DEG</small>

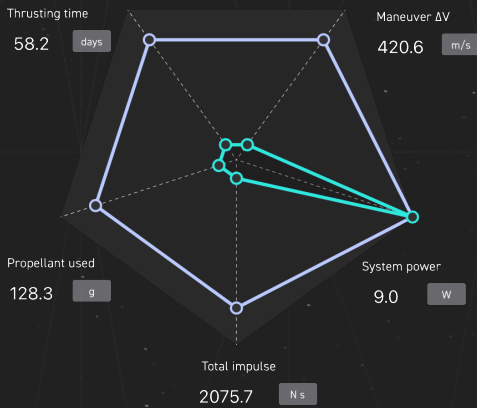


03 - STATION KEEPING

MANEUVER DURATION 1278.0 DAYS
 RAISE COUNT 22.0
 ALTITUDE TOLERANCE 3 %
 MANEUVER TYPE Minimize thrusting time
 THRUSTING IN ECLIPSE true



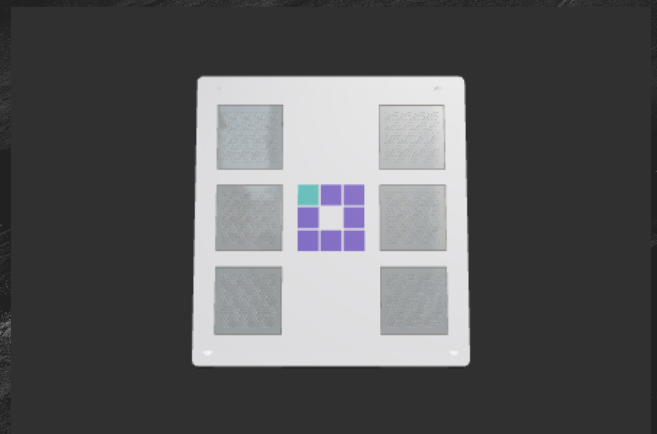
RESULTS



MANEUVER SCENARIO	M01	M02	M03	TOTAL	UNIT
SYSTEM POWER	9.0	9.0	9.0	-	W
THRUSTING TIME	7.1	4.6	46.5	58.2	DAYS
PROPELLANT USED	15.6	10.2	102.5	128.3	G
MANEUVER ΔV	50.4	33.1	337.0	420.6	M/S
SPECIFIC IMPULSE	1649.7	1649.7	1649.7	-	S
TOTAL IMPULSE	251.7	165.0	1659.0	2075.7	N S

THRUSTER

NUMBER OF THRUSTER UNITS 1 -
 WET / DRY MASS 0.78/0.65 KG
 SYSTEM VOLUME 383.9 CM3
 POWER 9.0 W
 SPECIFIC IMPULSE 1650 S





CONTACT US

Thank you for using ienai GO. We hope you have enjoyed it. Here you can find the overview of all the maneuvers and also the details of the thruster generated. If you need more info about the thruster, let us know through the following email. We will be happy to answer any questions you may have.

GO team
go@ienai.space