
NAKUJA INTERNSHIP

— WEEK 13 PROGRESS REPORT —

TASKS COMPLETED THIS WEEK

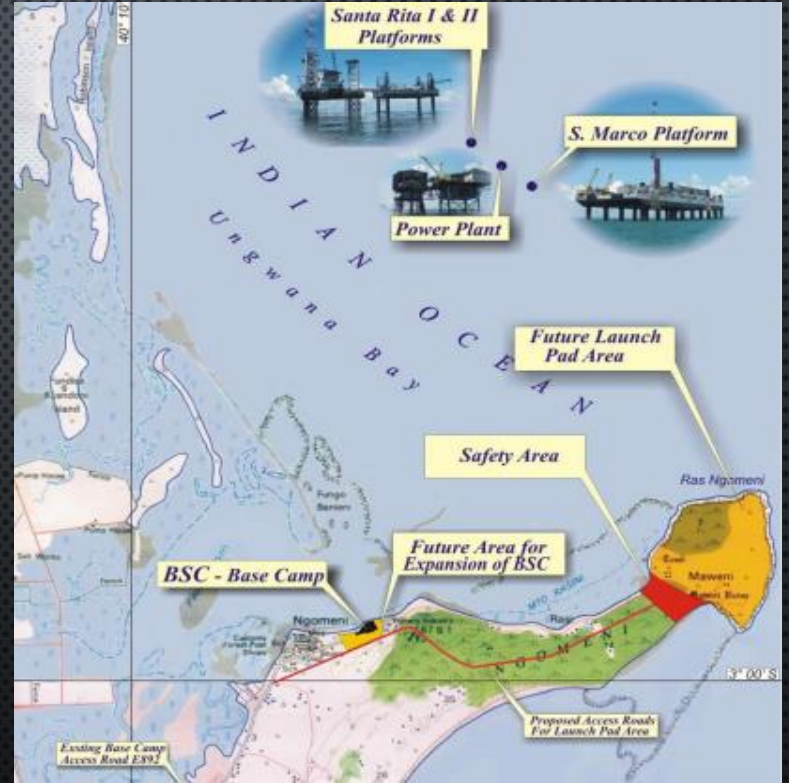
- [#71] Fuel Disposal
- [#56] Visit to Malindi
- [#68] Remote Ignition

Safe Fuel Disposal



The two grains of fuel casted on Monday had stuck to the casing requiring safe disposal.

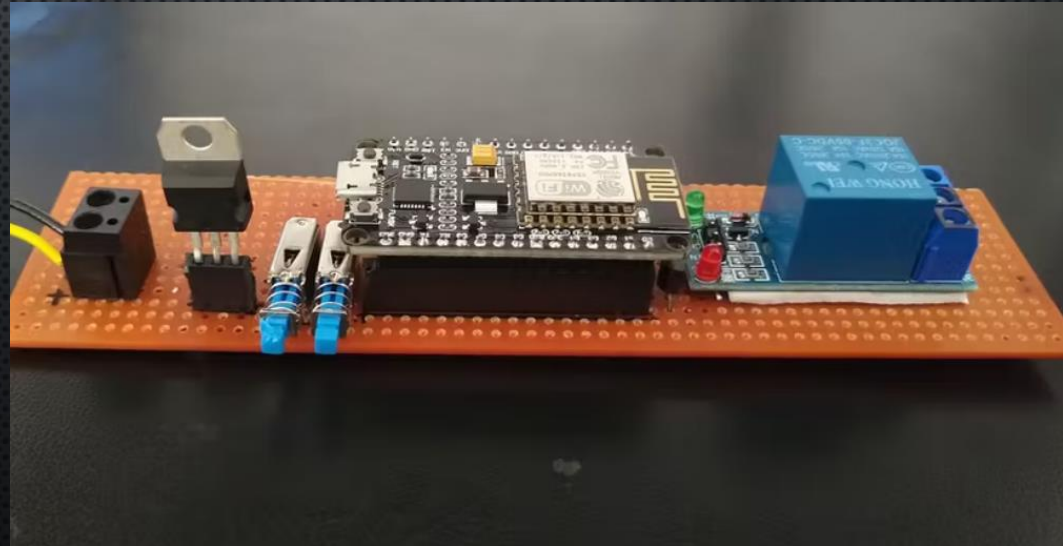
Trip to Malindi



REMOTE IGNITION USING ESP32 MODULE

We will be using ESP32 LOLIN module to switch relay via Wi-Fi hoping it will provide enough range from launch site.

Alternative solution: Using 2 modules to increase range.



TASKS THIS WEEK

- [#108] Remote Ignition
- [#36] Snap Ring Purchase
- [#56] Fuel Casting for Test Flight
- [#150] Test Flight

TIMELINE

Month	Intern week	Tasks
Jan		
	Week 1	Designs [Fuel, Casing, Nozzle, Bulkhead, Casting tools, Teststand]
	Week 2	Fabrication of items
	Week 3	Fuel Fabrication and test stand revamp
Feb	Week 4	Fabrication of items & Fuel casting
	Week 5	Iterative Fuel tests
	Week 6	Launch Pad design and iterative fuel tests
	Week 7	Iterative fuel testing and improvement