

NAU 2.1 Fleet PERFORMANCE

Case Study: One Owner - One Year - 24 vessels

\$1.6M Saved

How NAU 2.1 Smart Vessel Operations led to Savings and Performance Gains by realistic data-driven decisions

*This case study has been generously shared by:
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Owner's Operation Desk*



Speed Optimization

Action:

Steaming time: 143 days

Distance: 1,102,697 nm

Speed optimised: by only 0.3 Kts

Fuel Saved: 0.5 MT's / day

Savings:

\$1.03M

Calculations:

$0.5 \text{ MT} \times \text{USD } 600 \times$
 $143 \text{ days} \times 24 \text{ vessels}$





On-Time Arrivals & Turnaround Efficiency

Action:

Port Calls analysed: Saving 2 hours across 1,200+ port calls added up to 100 days saved annually

Time optimised: Saved 100 days fleet-wide with 2.5 MT fuel saved from reduced Auxiliary runtime.

Savings:

\$0.15M

Calculation:

2.5 MT saved ×
USD 600 × 100 days



Auxiliary Engine Runtime

Action:

Auxiliary Engine use optimised to cut fuel by 0.1 MT per day, aggregated across 24 vessels.

Engine optimised: Smart runtime control cut usage by 2 hours daily.

Savings:

\$0.5M

Calculation:

0.1 MT × USD 600 ×
365 days × 24 vessels





Additional Efficiency Wins

- Auxiliary Boilers turned off at sea where not required
- Cargo Heating & Tank Cleaning procedures optimized
- Hull & Propeller Performance monitored for drag & efficiency





That Was Just 24 Ships.

Now consider this for **1,100**
vessels across **10+** years.



**Millions of Noon
Reports Logged**



**Thousands of Port
Calls Tracked**