

# How to Benchmark RV Operations



the weakness of man is that he wants to know things he'd rather not know once he knows them

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## **1. Operating/Fixed costs**

Expenses involved in the day-to-day running of the ship - essentially those costs such as crew, stores and maintenance, insurances, shore staff - that will be incurred whatever campaign the ship is engaged in.

## **2. Periodic maintenance costs**

Incurred when the ship is dry-docked for major repairs. Shipping companies often include a 'dry-docking provision'. Since this is a provision rather than a cash; better treated separately from operating costs

## **3. Voyage costs**

Variable costs associated with a specific voyage and include fuel, port charges, pilot dues, mob/demob

## **4. Capital costs**

May depend on the way the ship has been financed.

## **5. Scientific Equipment**

## **SHIP CHARACTERISTICS**

**Lenght/Gross Tonnage**

**Year Built**

## **ADMINISTRATION**

**Class/ISM/MARPOL/ISO**

## **CREW**

**daytrips / multiple days**

## **OPERATIONS**

**days at sea vs technical days  
(MOB/DEMOB)**

## **MAINTENANCE**

**Drydock / Drydock periodicity**

## **ADMINISTRATION**

port & pilot dues

Class & Inspection

general costs/shore staff

P&I, H&M, Cargo insurances

## **CREW**

wages, training, other

## **OPERATIONS**

fuel, water/electricity

Teletransmission

Stores

Repairs/Maintenance

logistics

## **DRYDOCK PROVISIONS**

## **CAPITAL INVESTMENT / DEPRIVATION**



**MORE THAN THREE SHIPS (30-40m)?**

**no good-bad pupils approach  
graphical / framework / index**

**EXTEND TO LARGER VESSELS (50-70)?**

# Self-Benchmarking most reliable option? Define KPI's

