



CASE STUDY

PMS DATA MATURITY MODEL

**Achieving regularized data maintenance
and continual monitoring with timely
corrective actions.**

PMS

Type of vessels: Tugs to cruise liners

PMS DATA BUILDING AND VALIDATION



Category level:

At the category level, the plan is to set sight on identifying and resolving any errors in historic data. Furthermore, optimizing and scheduling jobs set up on efforts to service the jobs while also standardizing job codes across fleets.

Sister Vessel:

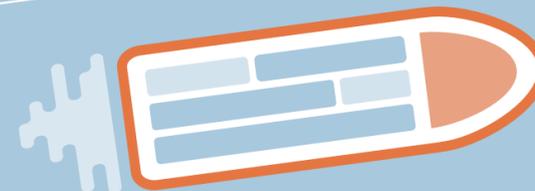
Our aim for the sister vessel is to identify Lead and Sister vessel variance while scheduling specific jobs fitting to the sister vessel. In addition to that, coordinating deletion of any incorrect jobs is also an aim to be achieved.

DATA MAINTENANCE AND INSIGHTS



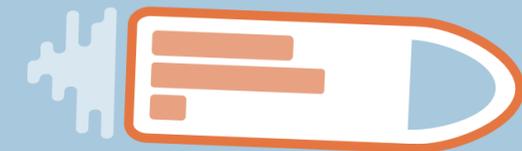
16x5 Support

We have a dedicated team in place providing prompt 16 x 5 support to cater to new machinery on-boarding or requests from ship staff/office, with the timely response.



Proactive Data Maintenance:

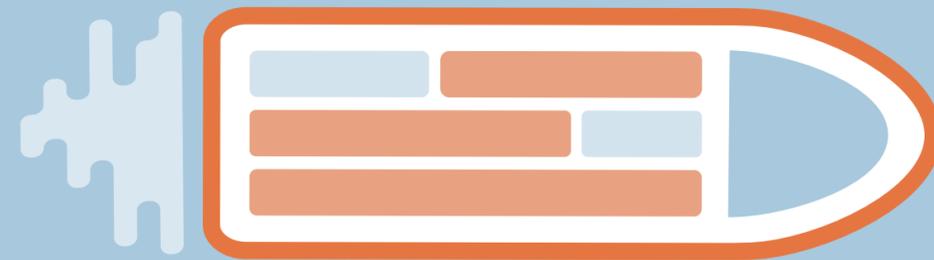
We aspire to incorporate a proactive job creation to keep pace with the changing regulatory compliance.



Reporting and Insights:

Through reporting and insights, we intend to maximize client ROI through Consistent & Reliable PMS data. Along with this, analytics with regards to Jobs serviced and Vessel's health and performance shall also be generated.

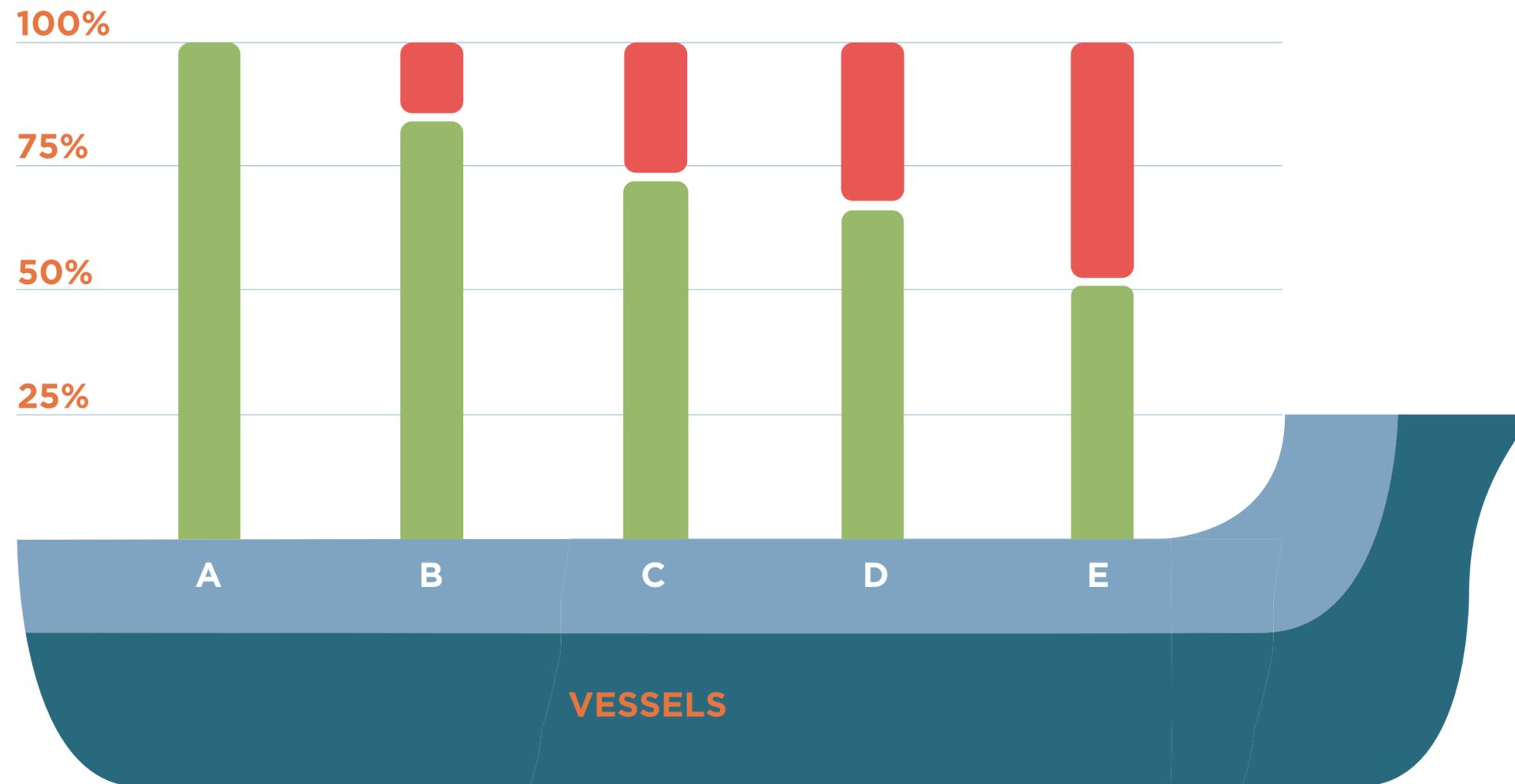
OBJECTIVES TO BE ACHIEVED



To help us achieve our objectives, we designed a four-step strategic approach comprising of:

- Data maintenance at regular intervals
- Continual tracking and monitoring
- Taking prompt corrective actions
- Data building in compliance with industry, trade, company and maker's requirement.

OVERALL SAVINGS



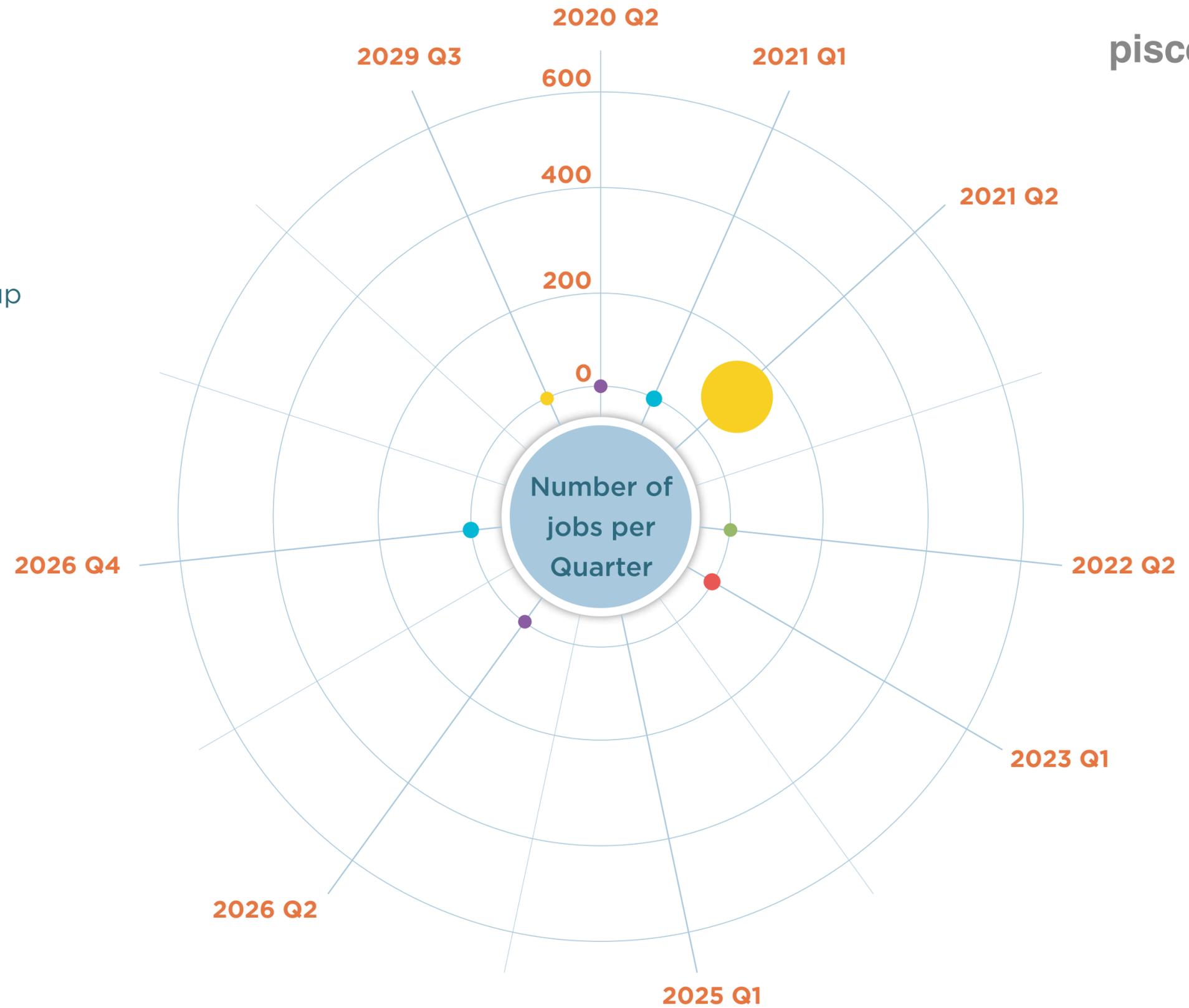
This analysis shows how much time and money is saved by calculating similarity in vessels.

- Unique machinery (in %)
- Savings due to similarity (in %)

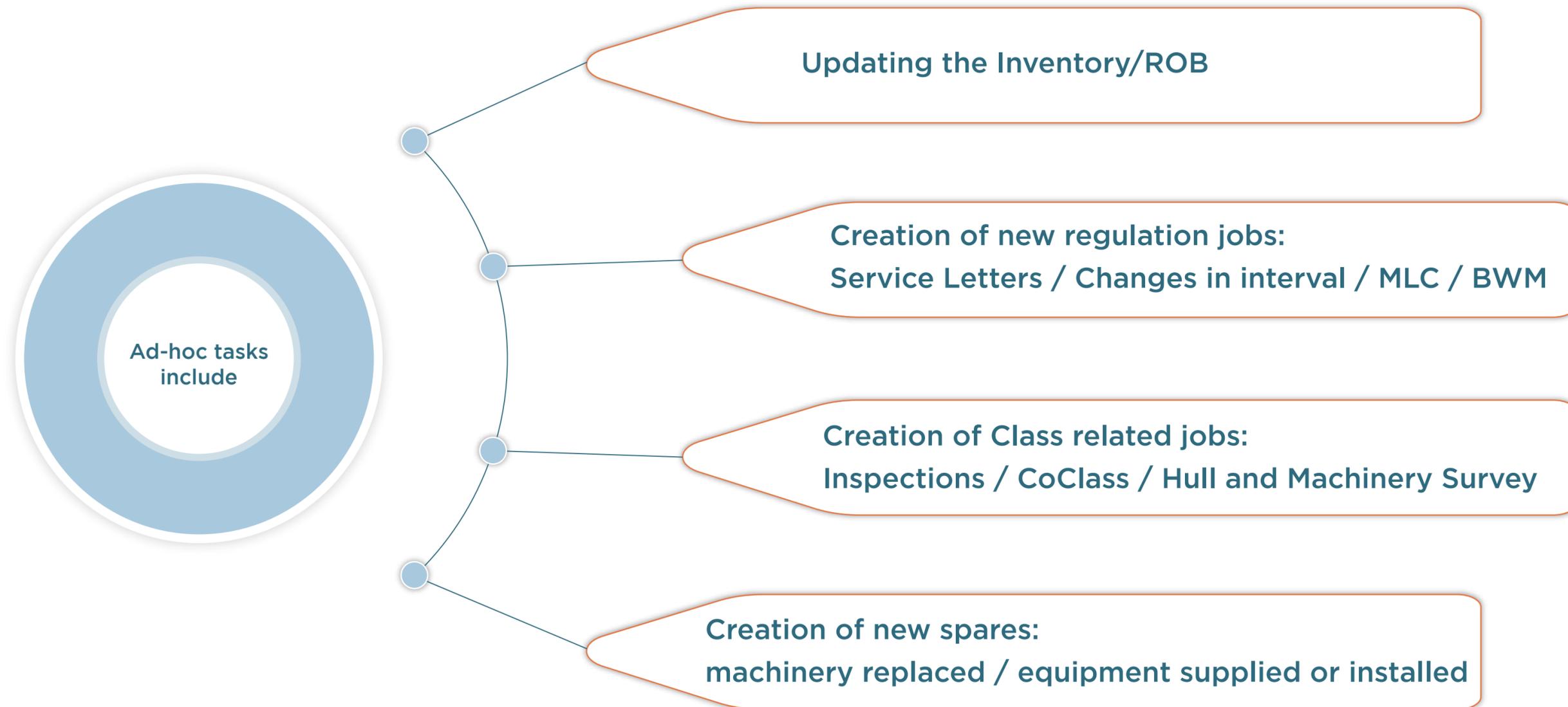
Overall savings in data building in terms of time and cost- **25.2%**

JOB SPREAD ANALYSIS

- Job Spread analysis and clean-up carried out based on equal spreading of the job.



DEPENDANCE OF PMS RELIABILITY ON AD-HOC TASKS



TECHNOLOGIES USED

A combination of hand-picked Smart software and technologies were integrated in the process and utilised to yield desired results while making the process easier to oversee.



Microsoft Access



Eazy Draw



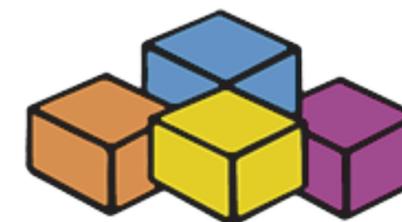
Microsoft Excess



R Project



Microsoft SQL
server



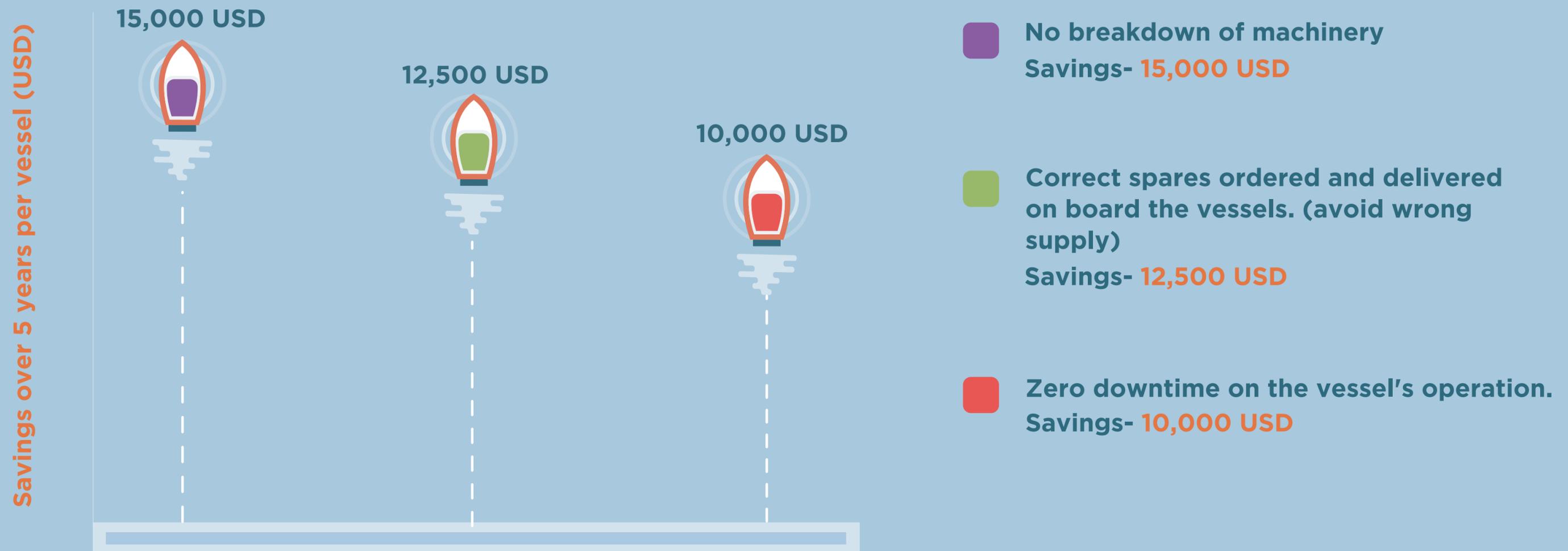
Microsoft Visual
Basics for
Applications

PMS AUDIT AND IMPROVEMENT



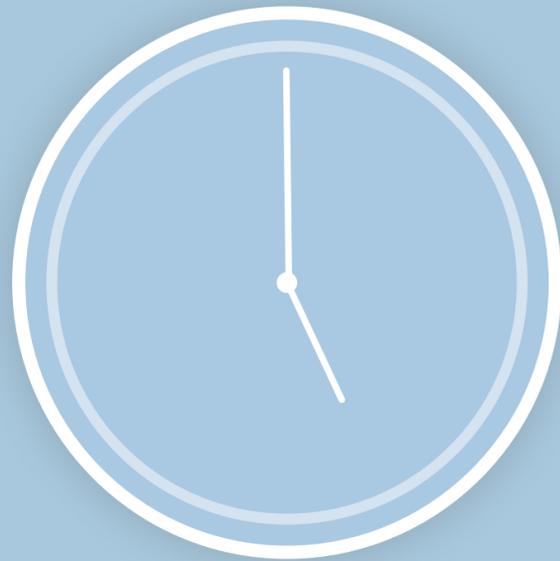
BENEFITS OF BUILDING A GOOD PMS DATABASE

Tangible Savings



BENEFITS OF BUILDING A GOOD PMS DATABASE

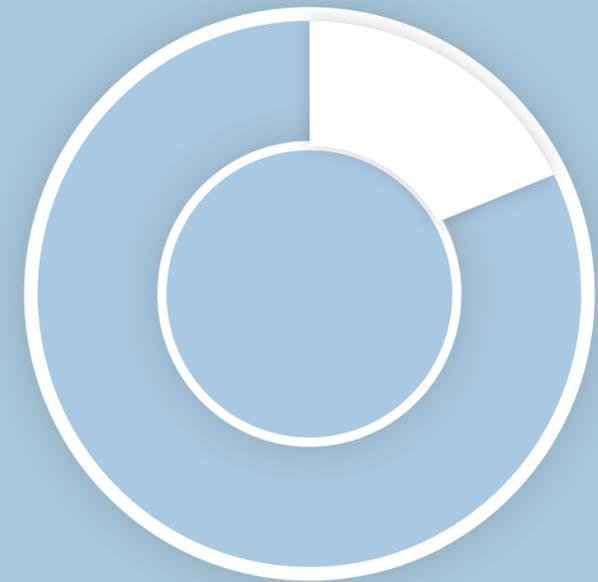
Intangible Savings



500 hours saved
in time and resources for
procurement team



125 hours saved
in zero observation and non
conformity of audits



10-15% saved
of total spares purchased