MUHAMMAD TAUFIQ RAMADHAN

PERSONAL PROFILE

I completed my Master's program in IT Convergence Engineering at KIT, South Korea, in August 2020, with a focus on analyzing, visualizing, and forecasting time-series data.
I am deeply passionate about IT and constantly eager to expand my knowledge.

During my undergraduate studies, I specialized in Operation Technology subjects such as Arduino, Android, and PLC. Now, as a software development professional, I leverage my expertise to design effective IT-OT solutions as Business System Analyst

LANGUANGE SKILLS

Indonesian : Active
English : Intermediate
Korean : Basic

QUALIFICATION

Microsoft Office
Presentation and Reporting
Comunnication & Negotiation
Data Validation
Digital Product Design
BRD, FSD, User Manual and UAT Doc Preparation
Software Quality Control
Business Process Mapping
Project Management

CONTACT DETAILS

mtaufiqrama@gmail.com

+62851-5664-8533

EDUCATIONAL BACKGROUND

SARJANA SAINS TERAPAN (S.ST.) [AUTOMATION ENGINEERING] 2012-2016

Shipbuilding Institute of Polytechnic Surabaya (PPNS Surabaya)
GPA 3.43/ out of 4.00

Project Experiences :

- Six legged robot development
- Automatic fish feeder using Arduino
- Automatic water sprayers on grass field with Arduino

Organization Experiences :

- Head of Research and Technology department of HIMATO (Student organization)
- Participant of Business Planning event by KEMDIKBUD
- Crew team of KRI(Indonesia Robot Contest)

BACHELOR OF ENGINEERING (B.ENG.) [AUTOMOTIVE ENGINEERING] 2015-2017

Daegu Chatolic University (South Korea)
GPA 3.42/ out of 4.50

Project Experiences :

- Moving Slide Power Point based Motion Gesture with Kinect
- Implementation CIM (computer integrated manufacturing) with object Tuna's Canned food process factory

Organization Experiences :

- Member of PERPIKA (Student organization in korea)
- Staff of Entrepreneurship departement in PERPIKA

MASTER OF ENGINEERING (M.ENG.) [IT CONVERGENCE ENGINEERING] 2018-2020

Kumoh National Institute of Technology (South Korea)
GPA 4.25/ out of 4.50

Project Experiences :

- Drone with automatically VTOL and Landing Pad
- Development of UAV routing protocol for civil and military
- Time-Series Data Anomaly Detection using Online Learning Approach
- Accurate Movement Prediction Model for UAV Mobility in 3D Space using Bi-LSTM (*Final Thesis*)

Organization Experiences :

- Crew organizer of Indonesian student education conference (CISAK)

WORK EXPERIENCES

- Full-time Researcher at Networked System Laboratory (2018-2020)
- IT Technical Support at PT. Meratus Line (2021-2023)
- IT Business System Analyst at PT. Meratus Line (Present)

2023 - 2024
Project Handled
as a Business Analyst

Muhammad Taufiq Ramadhan

mtaufiqrama@gmail.com

Project Achievements and Targets (2023 – 2024)

Vessel Inspection Tools (Phase 2)
Juni – September 2023

Completed

Vessel Supply Tools
February - November 2023

Completed

Vessel Asset Website
Juni – November 2023

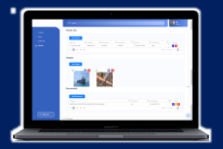
Completed

Vessel Asset Mobile
January – March 2024

Completed

Claim Management System (Phase 1)
January - March 2024

Go Live



Vessel Remote Monitoring System
January – June 2024

Go Live

Fleet Efficiency Center
January – June 2024

Go Live

QSHE Inspection Tools
Juni – September 2023

Moved into other project

Vessel Consumption Tools
January 2024 – Current

In Development

E-DNA v2.0
June 2024 – Current

In Development

Claim Management System (Phase 2)
TBD

Next Project

Standard Consumption
TBD

Next Project

Charter Management System
TBD

Next Project

Passage and Supply Planning System
TBD

Next Project

Vessel Inspection Tools (Phase 2)

MERATUS MAKASSAR

Asset Vessel Inspection Report

SUMMARY

GENERAL RATING OF THE VESSEL

	VCR
ssar	3.05
	Good Condition (L)
3.71 - 4.00 VERY GOOD	

BUNKER INSPECTION REPORT

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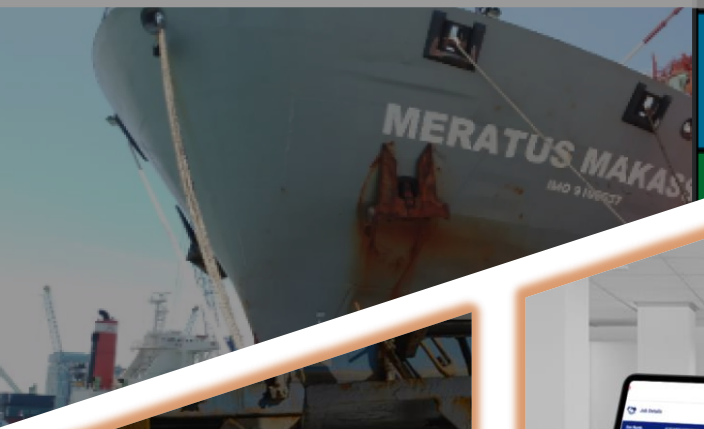
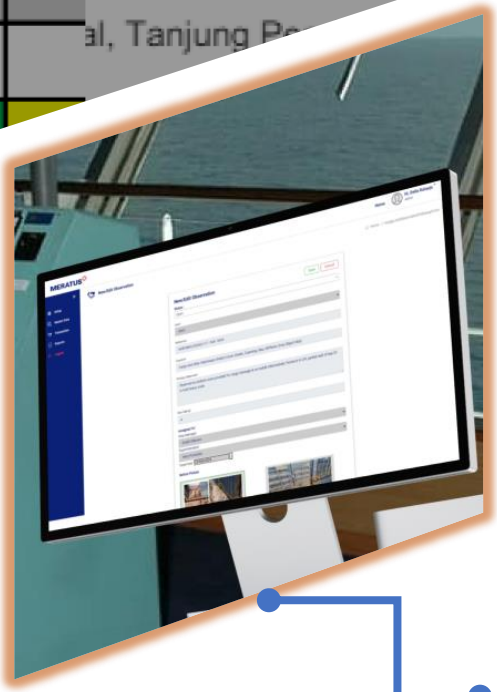
al, Tanjung Pe





Mobile Inspection

Conduct inspections by uploading images and descriptions

Inspection Review & Follow-up Assignment

Review and complete the conducted inspections, and assign corrective actions to the SM & Superintendent

Corrective Action

SM & Superintendent review dependencies and take corrective actions based on inspection results.

Update Follow-up

Enable updating of corrective actions by image and description, allowing anyone to monitor the progress of the follow-up.

Review and Closing Inspection

Project Contribution

Project Analysis

- Project Development Planning
- Business Process Mapping
- User Requirement Gathering
- Communication & Negotiation
- User Acceptance Testing
- Software Quality Assurance Tester
- Data Analysis & Validation

Supporting Material

- Functional Specification Document
- User Manual Book and Video

Vessel Inspection Tools Phase 2

Coordination & Collaboration

- Application Support
- Project Workshop

Design

- Software Mockup Design
- Business Process Gantt Chart
- Data Acquisition Flow

Vessel Bunker System

Vessel Bunker System (Main Project)

2024 Vessel Bunker System

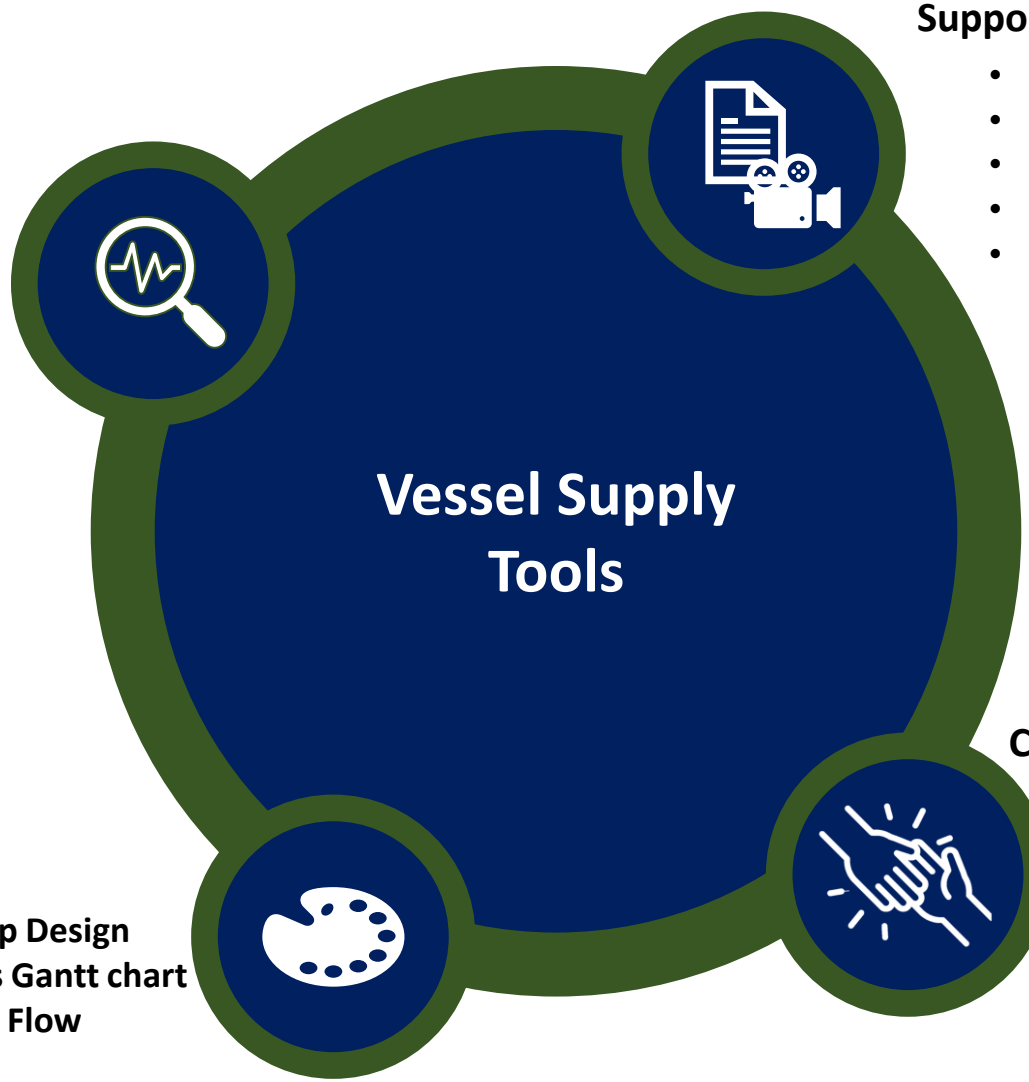
Features Released:

- Remote Monitoring System Dashboard
- Vessel Tracking
- Vessel Map
- Vessel Activity
- Vessel Timeline
- Vessel Detail
- Fleet Monitoring
- Bunker Supply Recording
- Bunker Supply Report
- Bunker Supply Alert

Project Contribution

Project Analysis

- Project Development Planning
- Business Process Mapping
- User Requirement Gathering
- Communication & Negotiation
- User Acceptance Testing
- Software Tester
- Data Analysis & Validation



Supporting Material

- Functional Specification Document
- Checklist Commissioning Preparation Document
- UAT Document
- Software Testing Report
- User Manual Book and Video

Design

- Software Mockup Design
- Business Process Gantt chart
- Data Acquisition Flow

Coordination & Collaboration

- Devices Commissioning Assistant
- Application Support
- Hypercare Support on Board (Bunkering Process)
- Devices Repair & Installation
- Device Checklist Preparation
- Project Workshop

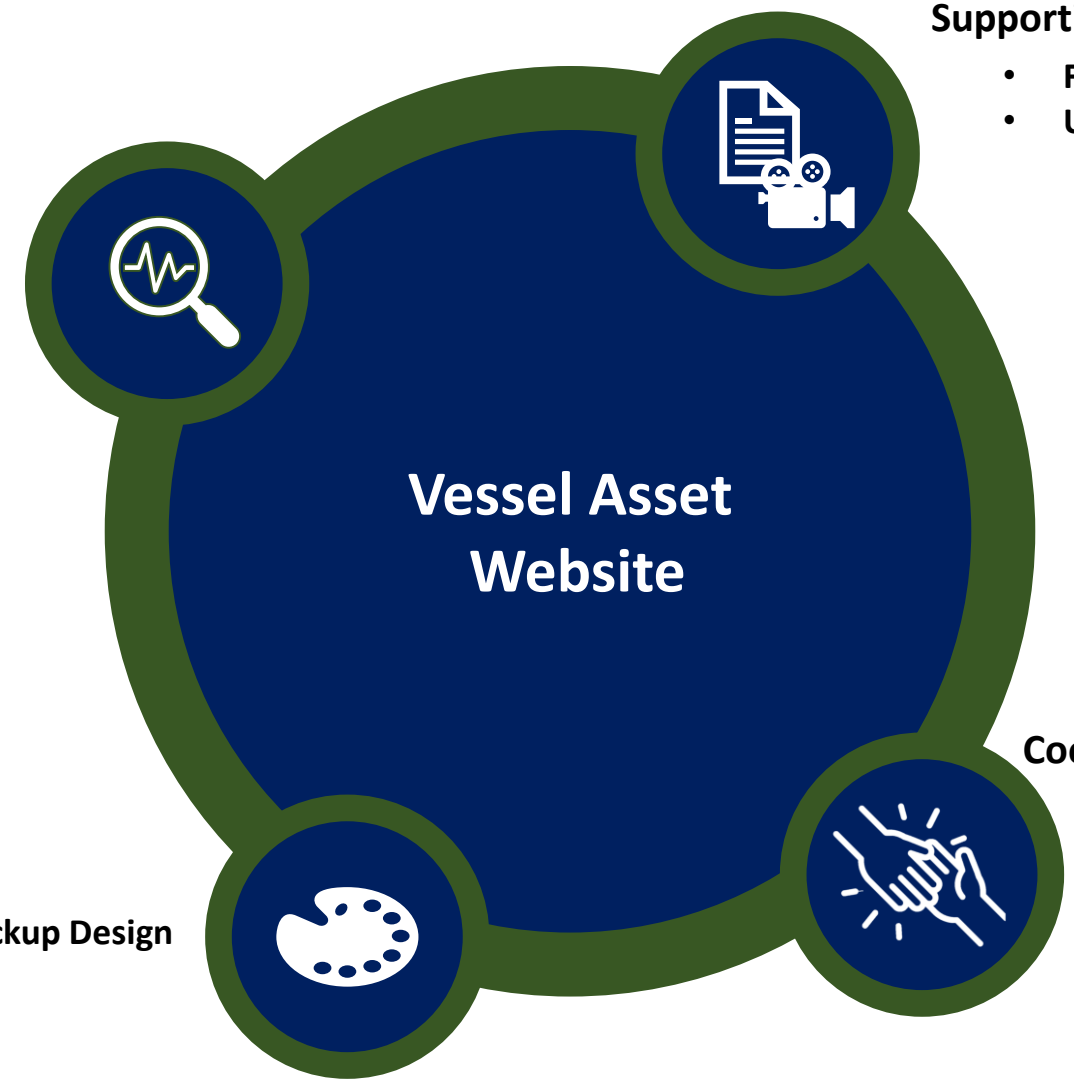
Project Contribution

Project Analysis

- Project Development Planning
- Business Process Mapping
- Communication & Negotiation
- Software Tester

Supporting Material

- Functional Specification Document
- User Manual Book and Video



Coordination & Collaboration

- Project Workshop

Design

- Software Mockup Design

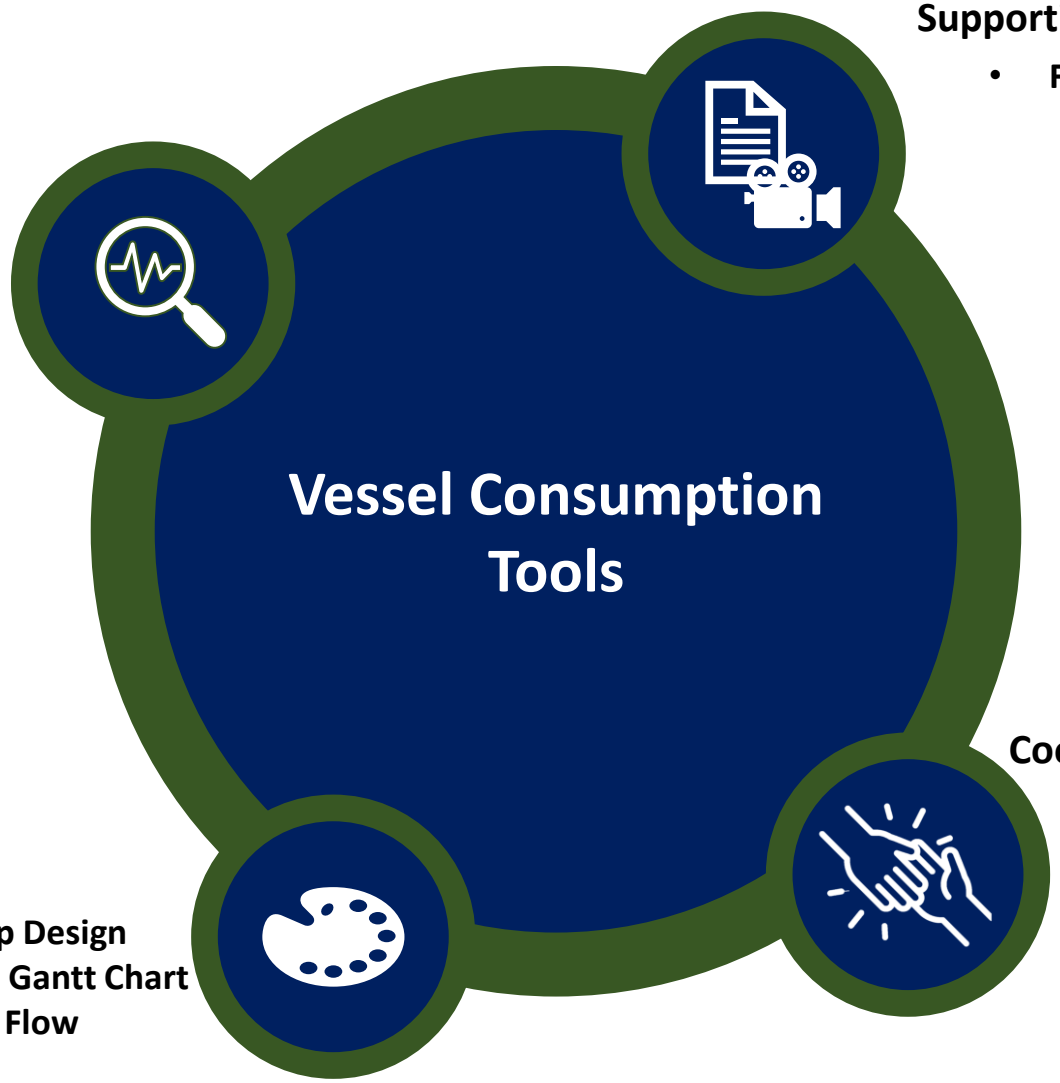
Project Contribution

Supporting Material

- **Functional Specification Document**

Project Analysis

- **Project Development Planning**
- **Business Process Mapping**
- **User Requirement Gathering**
- **Communication & Negotiation**
- **Data Analysis & Validation**



Coordination & Collaboration

- --

Design

- **Software Mockup Design**
- **Business Process Gantt Chart**
- **Data Acquisition Flow**

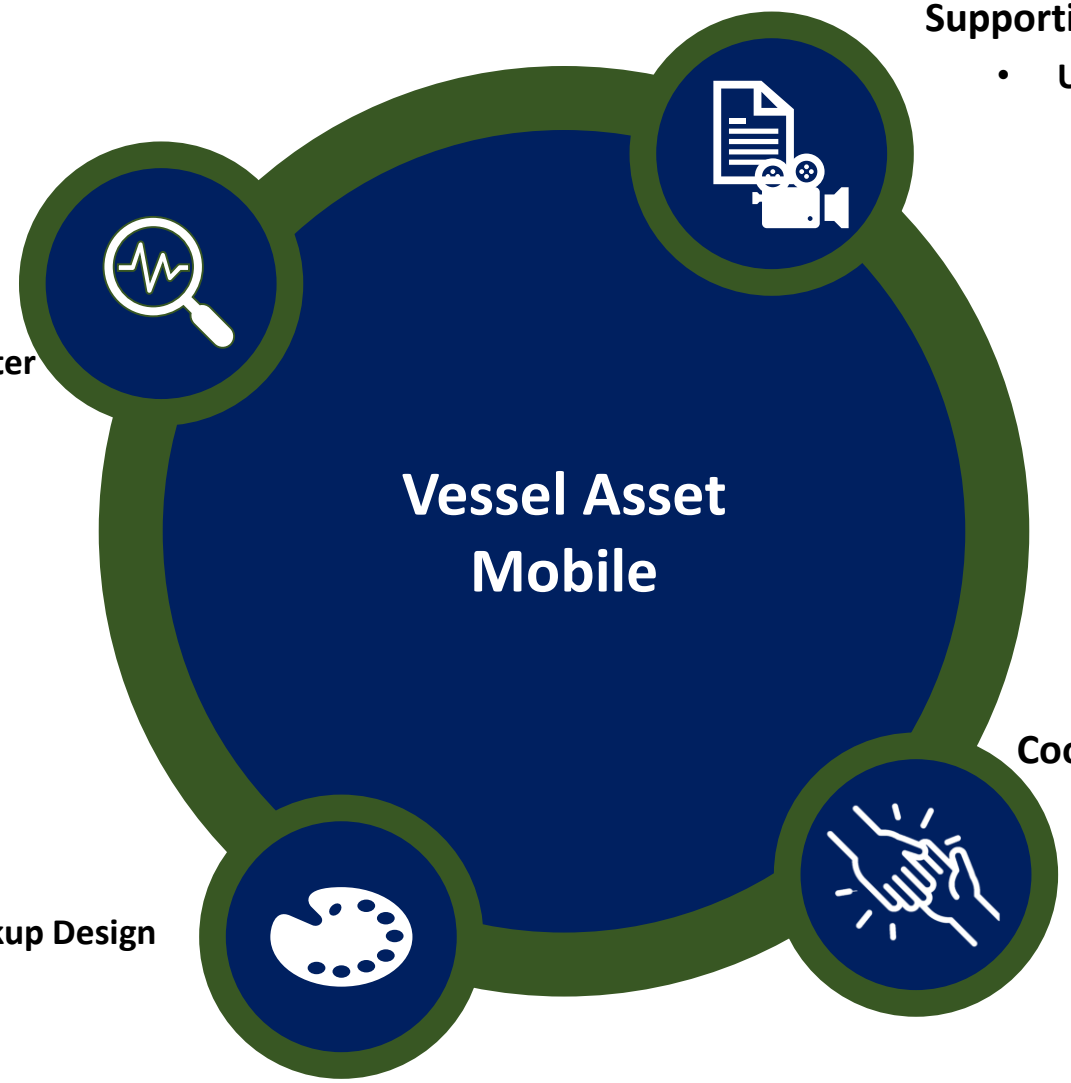
Project Contribution

Supporting Material

- User Manual Book and Video

Project Analysis

- Project Development Planning
- Business Process Mapping
- Communication & Negotiation
- Software Quality Assurance Tester
- Data Analysis & Validation



Coordination & Collaboration

- Project Workshop

Design

- Software Mockup Design

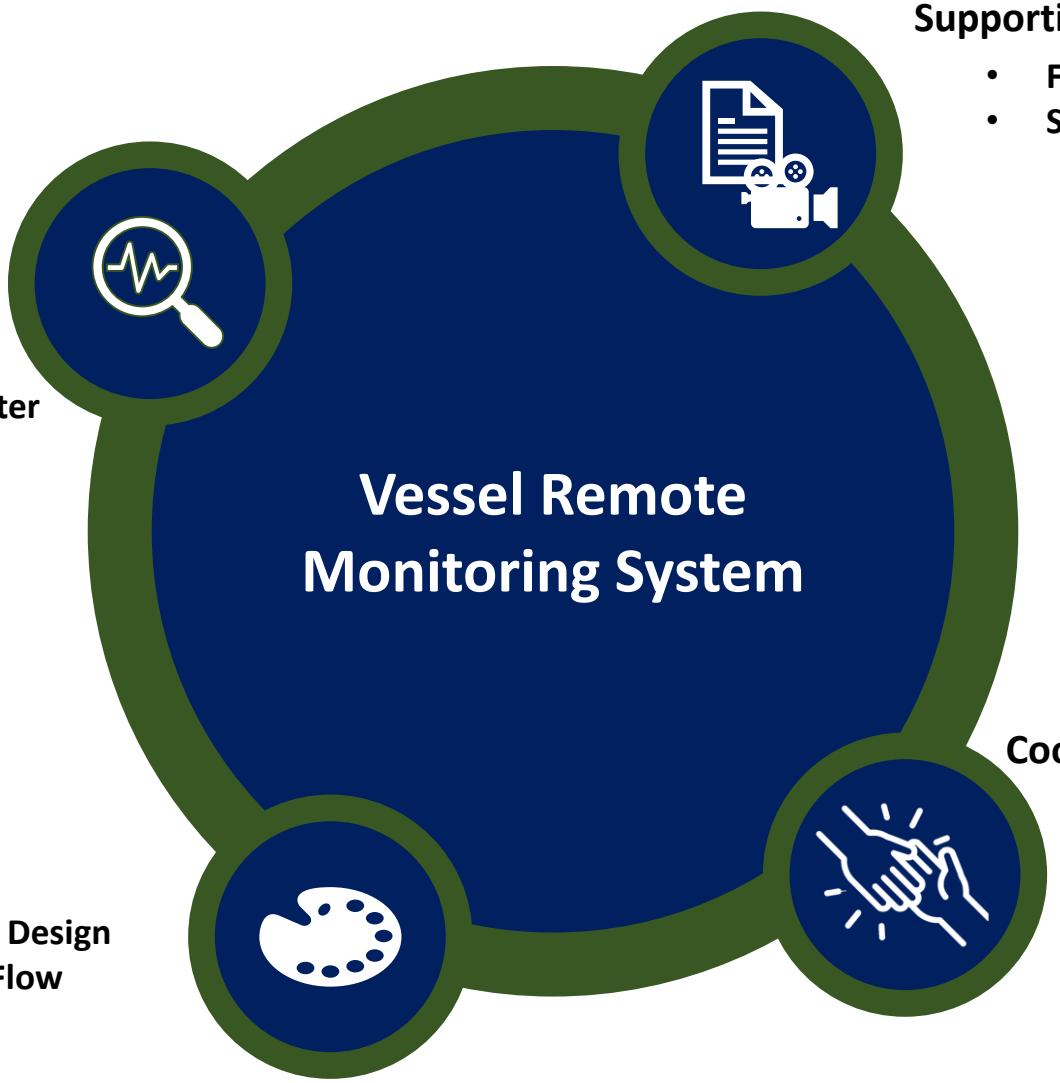
Project Contribution

Project Analysis

- Project Development Planning
- Business Process Mapping
- User Requirement Gathering
- Communication & Negotiation
- Software Quality Assurance Tester
- Data Analysis & Validation

Supporting Material

- Functional Specification Document
- Software Testing Report



Coordination & Collaboration

- Application Support

Design

- Software Mockup Design
- Data Acquisition Flow

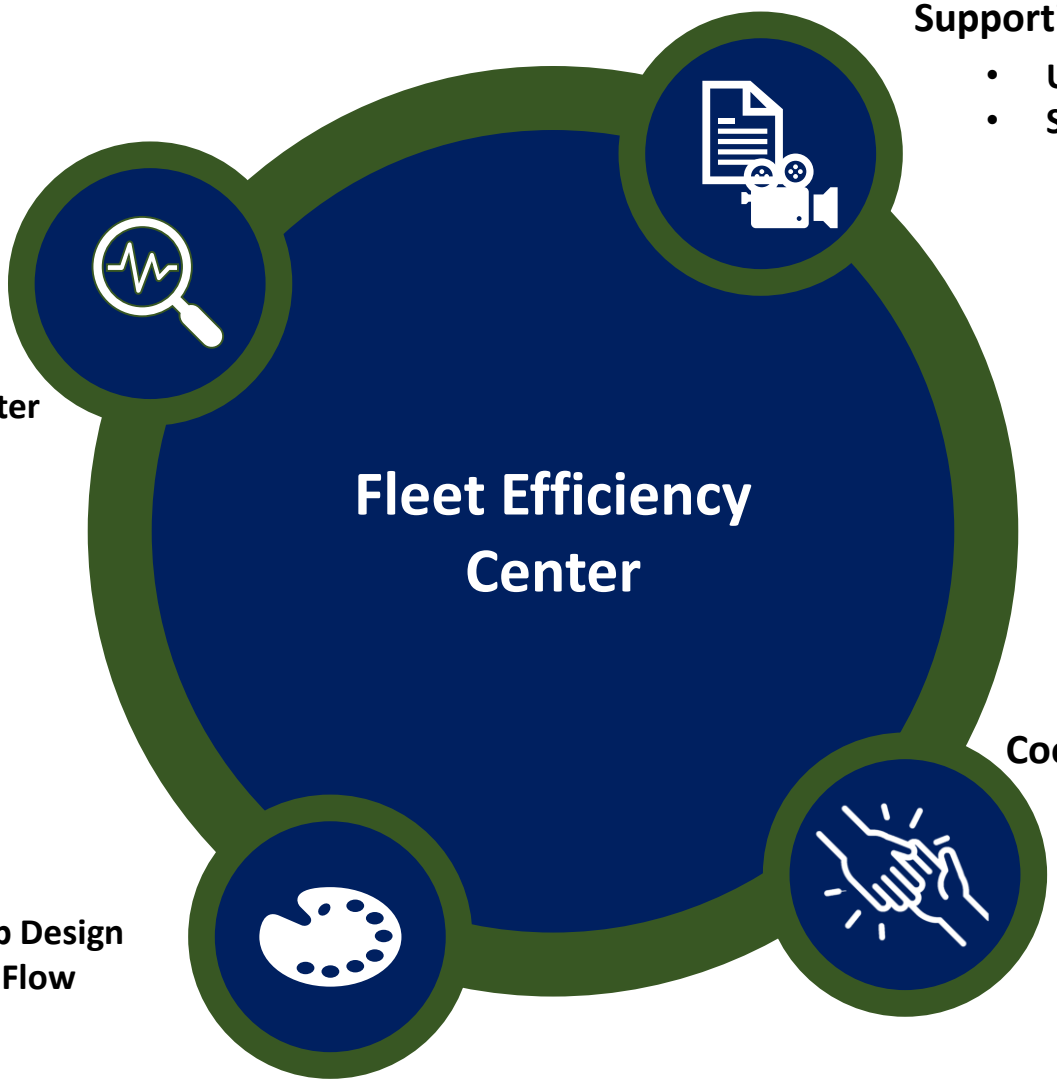
Project Contribution

Project Analysis

- Project Development Planning
- Business Process Mapping
- User Requirement Gathering
- Communication & Negotiation
- Software Quality Assurance Tester
- Data Analysis & Validation

Supporting Material

- User Manual Book
- Software Testing Report



Design

- Software Mockup Design
- Data Acquisition Flow

Coordination & Collaboration

- Application Support
- Project Workshop

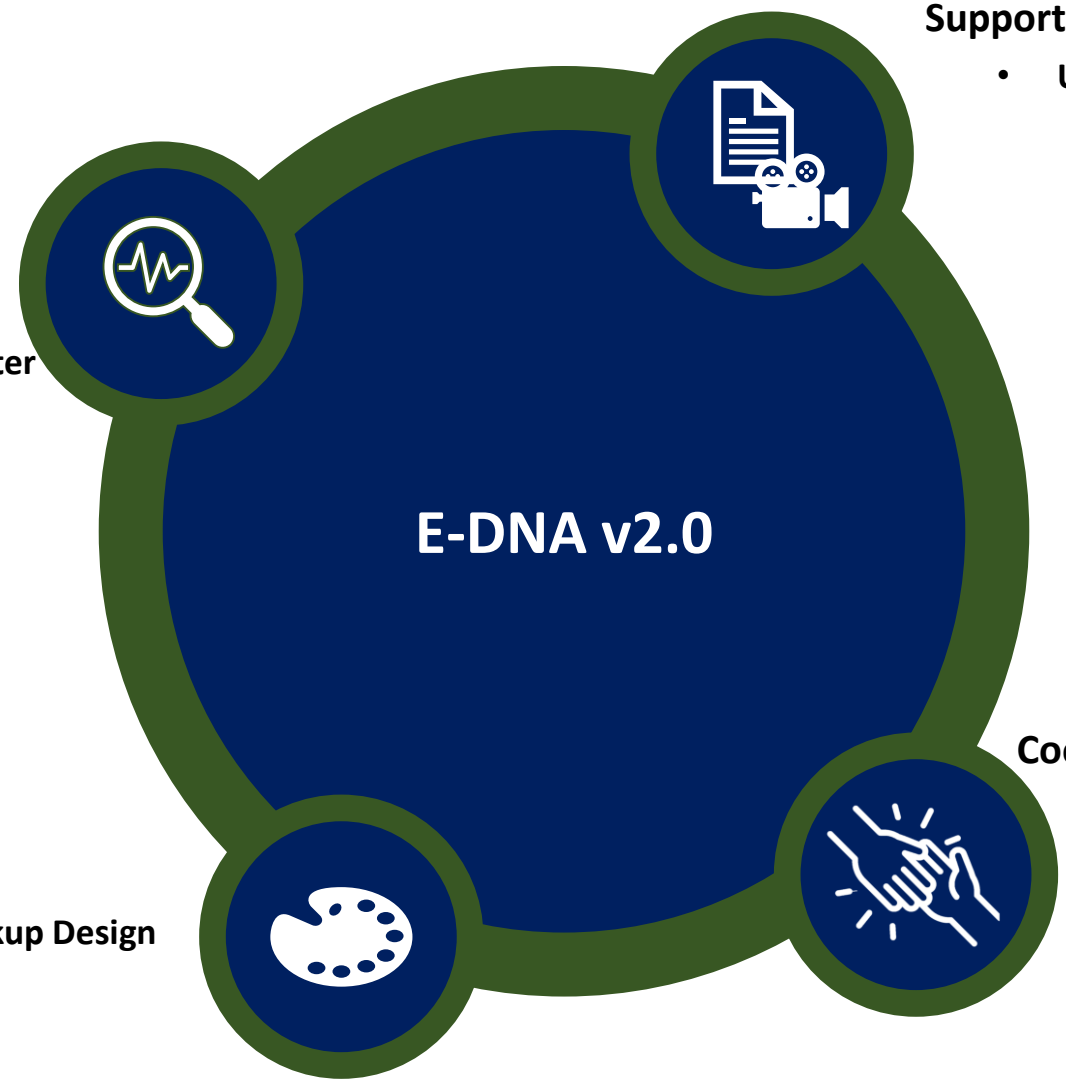
Project Contribution

Supporting Material

- User Manual Book

Project Analysis

- Project Development Planning
- Business Process Mapping
- Communication & Negotiation
- Software Quality Assurance Tester
- Data Analysis & Validation



Coordination & Collaboration

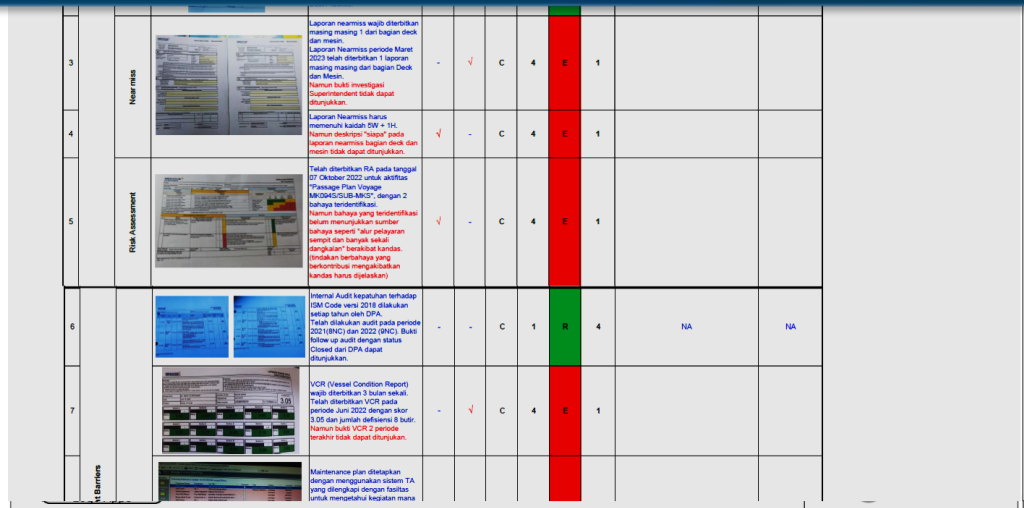
- Project Workshop
- Re-UAT
- Training

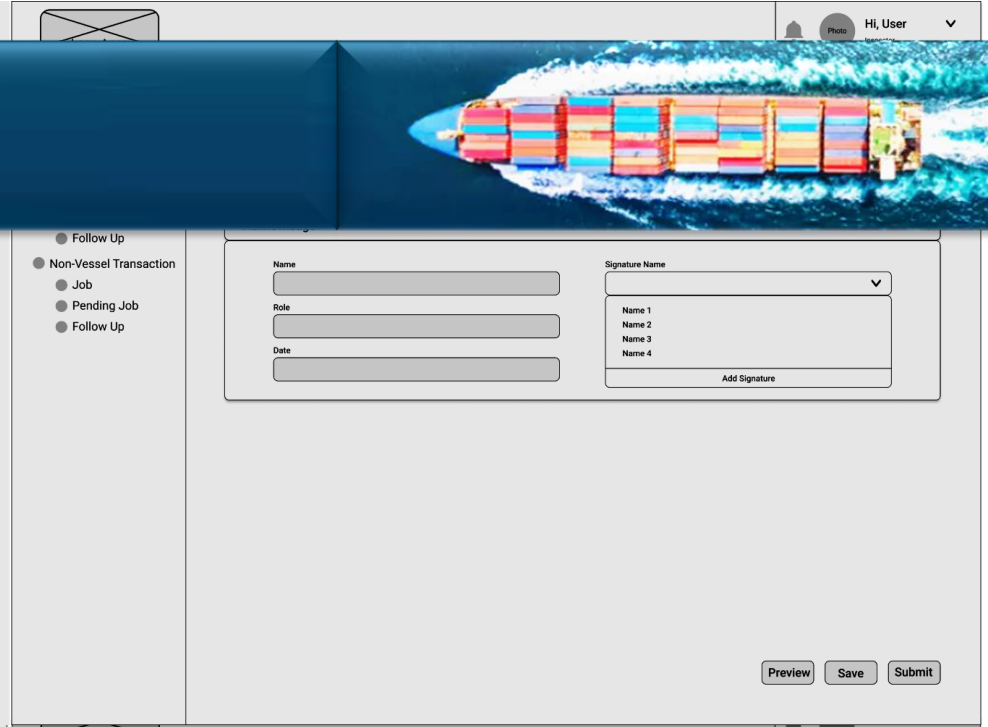
Design

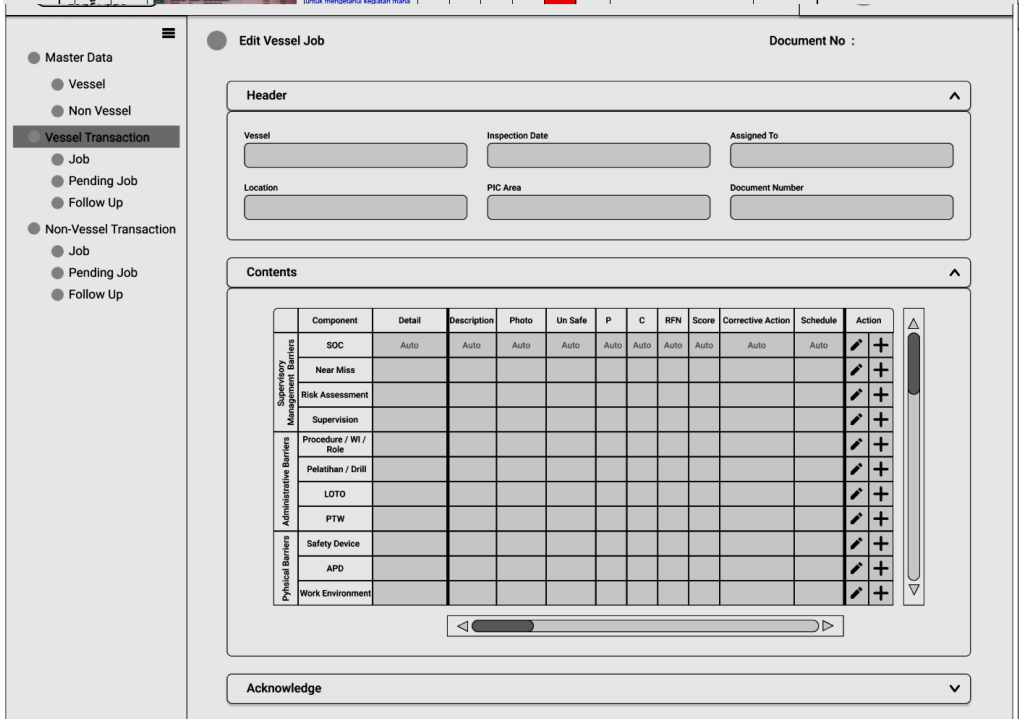
- Software Mockup Design

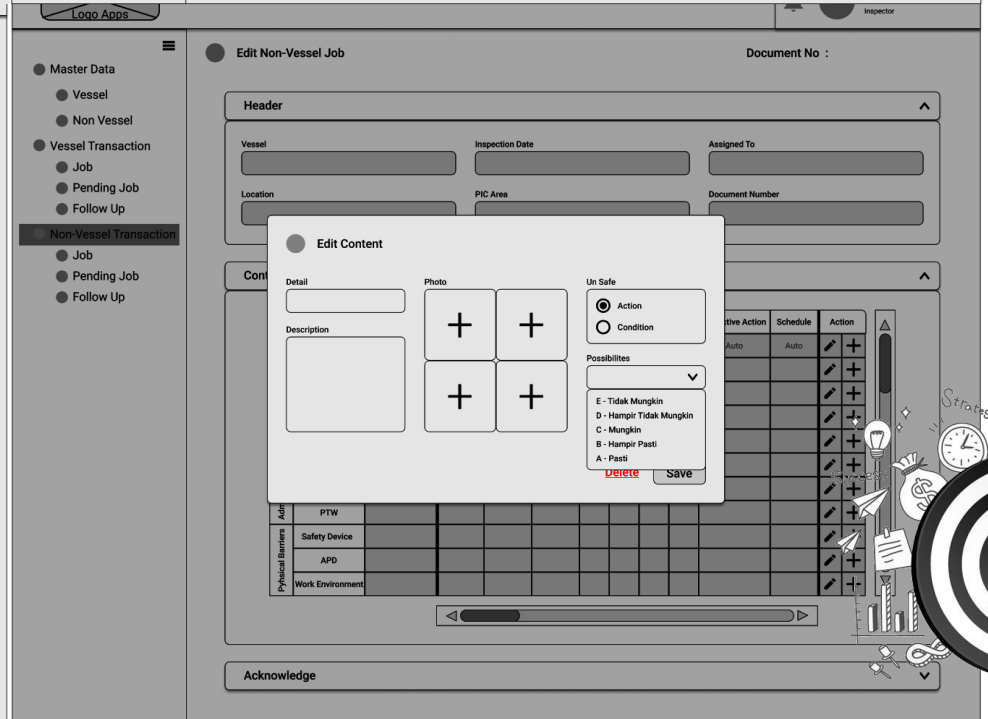
QSHE Inspection Tools

QSHE Inspection Tools









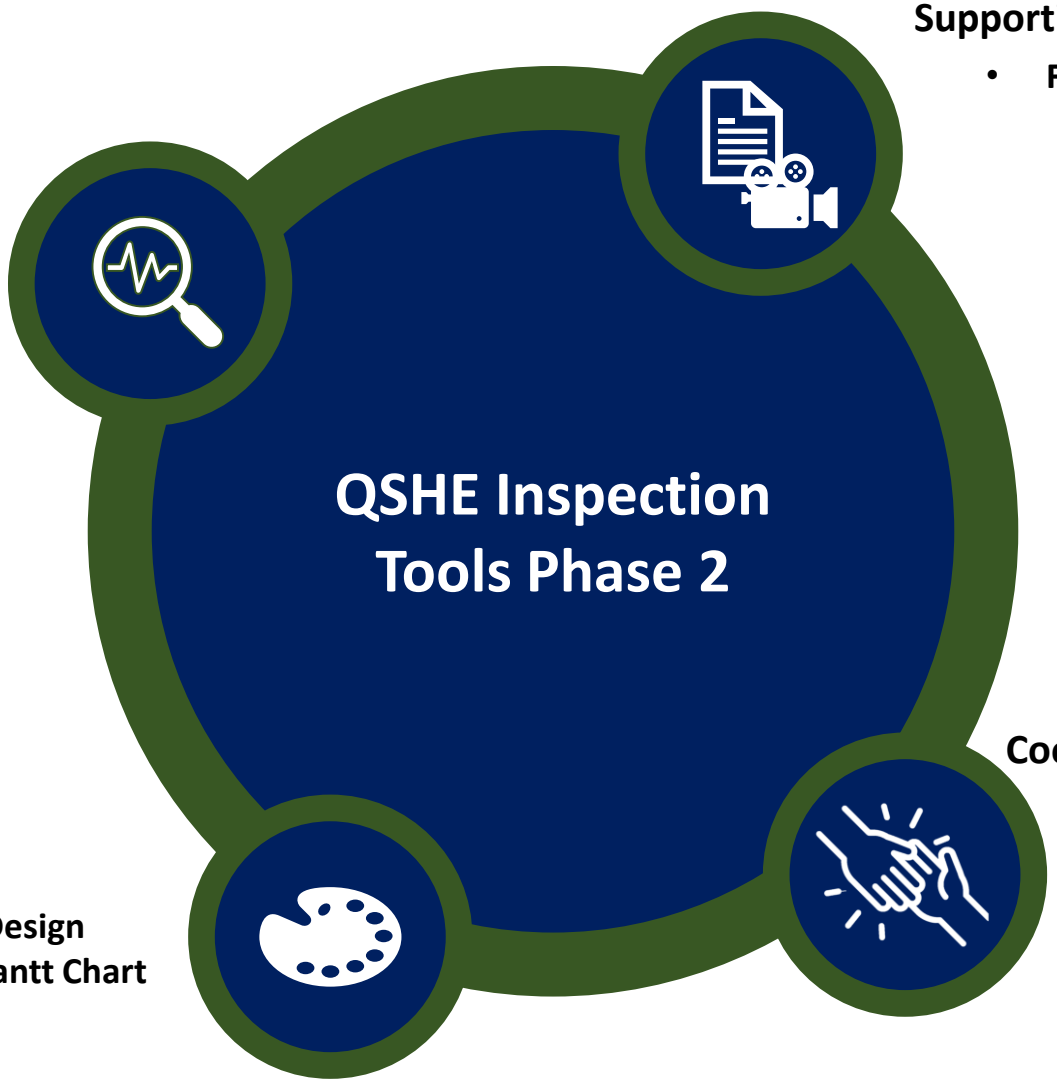
Project Contribution

Supporting Material

- **Functional Specification Document**

Project Analysis

- **Project Development Planning**
- **Business Process Mapping (QSHE)**
- **User Requirement Gathering**
- **Communication & Negotiation**
- **Data Analysis & Validation**



Coordination & Collaboration

Design

- **Software Mockup Design**
- **Business Process Gantt Chart**

Claim Management System (Phase 1)

Features

Incident Tracking

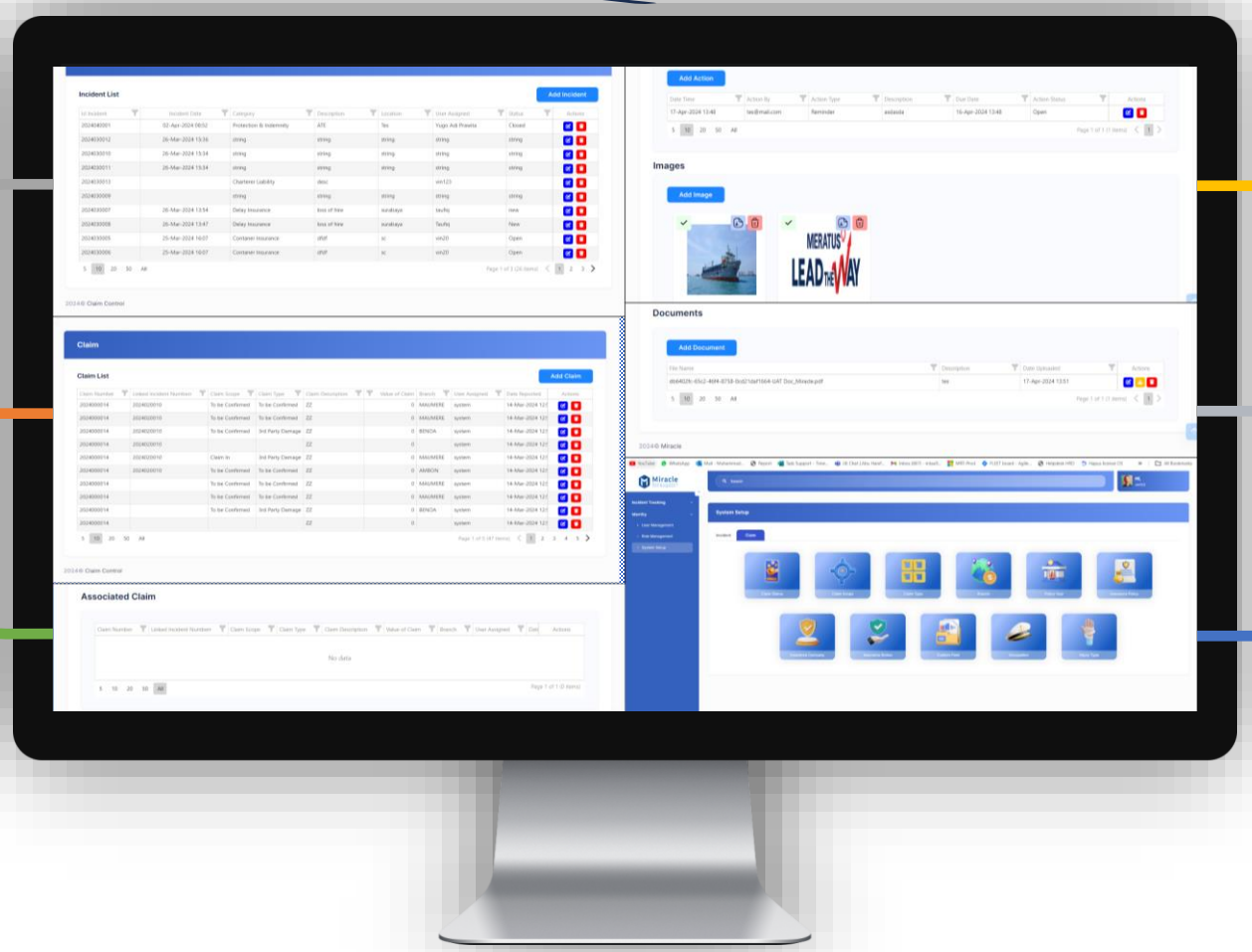
Manage incident input, reporting and historical incident data.

Claim Tracking

Manage Claim input, reporting and historical incident data.

Incident – Claim Integration

Link multiple claims to a target incident. Merge all information into a single field.



Email Notification

Send reminders or requests directly to the relevant user via email.

Media Sharing

Enable uploading and downloading images and documents

System Setup

Show all items from input list and Customizable fields.

Project Contribution

Project Analysis

- Project Development Planning
- Business Process Mapping
- User Requirement Gathering
- Communication & Negotiation
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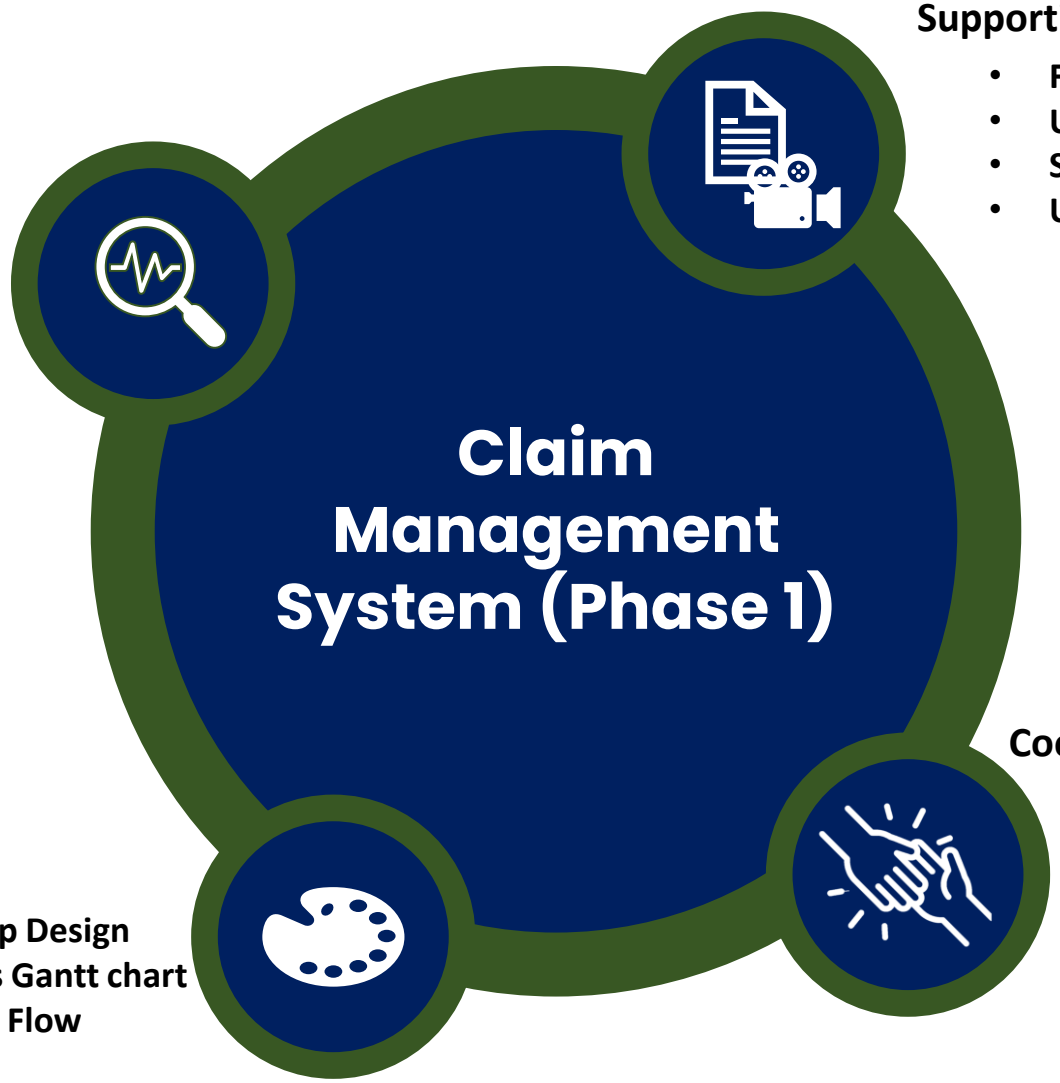

Supporting Material

- Functional Specification Document
- UAT Document
- Software Testing Report
- User Manual Book and Video

Coordination & Collaboration

- Application Support
- Project Workshop

Design

- Software Mockup Design
- Business Process Gantt chart
- Data Acquisition Flow

Thank You