



# GPIG – Initial Report

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# **1 Introduction**

## **2 The Shipping Industry**

### **3 Collaborative Autonomy in 2030**

## 4 System Description

## **5 Advantages and Benefits**

## **6 System Prototype**



## **7 Team Structure**

## **8 Key Processes**

## **9 Communication Strategy**

## 10 Risk Register

We identified the following ongoing risks, assigning a mitigation strategy to each, as well as a relevant owner based on the roles described in Section 7.

ID	Description	Likelihood	Impact	Owner	Mitigation
1	Team members are unable to complete writing tasks in a timely fashion due to illness or preoccupation with other work.	Low	High	KM/LW	
2	Team members struggle to complete assigned programming tasks in time due to lack of experience with the chosen technologies.	Medium	High	OL	
3	The chosen languages, frameworks, or libraries are too difficult to learn, have compatibility issues, or do not have the expected capabilities.	Medium	High	MW	
4	Progress on programming tasks is delayed due to poor code quality, duplication of effort, or conflicting code commits by team members.	Medium	Medium	AZ	
5	The customer is not available to give comments on proposed changes or additions to the system specification.	Medium	Low	PK	
6	Incomplete metrics due to members not completing the daily online ‘stand-up’, forgetting to log their activity, or not maintaining their action tickets.	High	Low	LS	
7	Loss of writing or code due to failure of team members’ hardware and lack of regular backup/commit.	Low	High	KM/OL	
8	Team members are not aware of assigned tasks, or complete the wrong tasks, due to not attending meetings, or being late to meetings.	High	Medium	LW	
9	Difficulty completing programming tasks on time due to underestimation of work involved or too broad a scope.	Medium	High	MW/OL	
10	Delays in creating the prototype due to the identification of a major design flaw in the system specification.	Low	High	KM/LW	

## **11 Conclusion**

## References