


## Autonomous Robotic Inspection and Maintenance on Ship Hulls and Storage Tanks

### Deliverable report – D5.3

<b>Context</b>	
<b>Deliverable title</b>	Single-Robot Planning, Coverage and Mission Execution
Lead beneficiary	UPORTO
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Declaration	Any work or result described therein is genuinely a result of the BUGWRIGHT2 project. Any other source will be properly referenced where and when relevant.





# Executive summary

This document shows the framework for mission planning and monitoring made for the deliverable D5.3.

The task 5.3 *Single-Robot Planning, Coverage and Mission Execution* cover all the aspects related to planning the autonomous inspection of a given structure with one of the robotic platforms, but without considering multiple robots working together. This includes planning global trajectories, planning a coverage pattern and implementing the overall state machine responsible for sequencing tasks and autonomous behaviours on the different robots.

The demonstration video can be found here:

<https://www.bugwright2.eu/nextcloud/index.php/s/gwxfnBBPda7cdjb>